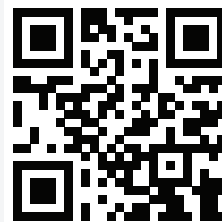


AN EXCLUSIVE MAGAZINE FOR THE SMART HOME INDUSTRY.

SMARTHOMETM WORLD

VOL 4 • NO 11
MARCH 2025

www.smarthomeworld.in



FOLLOW US ON



14 COVER STORY

IS INVESTING IN LUXURY HOME AUTOMATION THE RIGHT CHOICE? GET EXPERT OPINIONS.

INSIDE

FEATURE STORY

Brand's Perspective on Smart Lighting and Lighting Control Solutions for Offices.

31

CASE STUDY

Twin Villa, Designed by Sian Architects, Blends Luxurious Living with Advanced Smart Technology.

40

INTERVIEW

Juan Reyes, Executive Director, 8K Association, Highlights The Benefits of 8K Resolution.

54

INTERVIEW

Sanket Rambhia, MD & Founder, Xtreme Media, Speaks on his Vision on Led Display Industry.

58

PRODUCT PREVIEWS

Formovie Cinema Edge Turns any Room Into a Movie Hall

74

6th EDITION

International Exhibition
& Conference on
Smart Home Technology,
Home Automation, Audio -Video
& Intelligent Buildings



MUMBAI

8 • 9 • 10 MAY 2025

Jio WORLD CONVENTION CENTRE



BE A PART OF
**INDIA'S LARGEST SMART HOME
TECHNOLOGY EVENT**

TITLE PARTNER	REGISTRATION & BADGE PARTNER	PLATINUM PARTNER	VISITOR BAG PARTNER	PLATINUM PARTNER	PLATINUM PARTNER	SHADES PARTNER	PREMIUM PARTNER	PREMIUM PARTNER	SMART LIFE PARTNER	SMART HOME TECHNOLOGY PARTNER	PREMIUM PARTNER
HAVELLS Gratiotree	CP PLUS	ABB	Q&A	Cinebels	SONOS	Marvel -Marvel Decor Ltd-	VINSHEIK SINCE 1987	MIANTIC AV	SMATO	ADI snap one	EMI
PREMIUM PARTNERS											
Goody	RTI	AK FOCAL	APRO IPX	TATA POWER GZ HOME	CAVITAK	benq	BO	ViewSonic	LG Business Solutions	Optoma	marantz
JBL	GALLO ACOUSTIC	rako	basalte	CASADIGI	AERO	TINNOV	dorsët	Klipsch	ESPRESSIF	FORMOVIE	EPSON
Lauritz Klausen	BuildTrack	MDT TECHNOLOGIES	OKAS	Amica	SOUND & VISION	KFIX	LOEWE	INTERRA	oeelectron	raylogic	McIntosh
PREMIUM PARTNERS											
B.E.G.	LTECH	Zennio	KEY	PTC							
STRATEGIC PARTNER	KNOWLEDGE PARTNER	KNOWLEDGE PARTNER	SUPPORTING PARTNER	SUPPORTING PARTNER	KNOWLEDGE PARTNER	KNOWLEDGE PARTNER	KNOWLEDGE PARTNER	MEDIA PARTNER	KNOWLEDGE PARTNER	TECHNOLOGY PARTNER	
CREDAT-MOBI	CEDIA	WAVE	WAVE	WAVE	WAVE	WAVE	WAVE	SMARTHOME WORLD	WAVE	KNX	

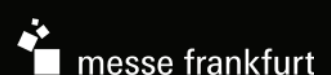
REGISTER NOW www.smarthomeexpo.in

EXHIBITION • NETWORKING • PRODUCT DEMO • CONFERENCE • TRAININGS

FOR BOOKINGS, PLEASE CONTACT:

Nazim Sawant +91 99304 26156 | nazim@smarthomeexpo.in
Monika Agnihotri +91 93210 24581 | monika@smarthomeexpo.in

Organised by:



www.smarthomeexpo.in



INDIAN
INSTITUTE
OF INTERIOR
DESIGNERS

MUMBAI REGIONAL CHAPTER

SMART
SPACE
AWARDS
2025

Powered By:

Marvel

—Marvel Decor Ltd.—

NATIONAL TECHNOLOGY AWARDS FOR INTERIOR DESIGNERS,
ARCHITECTS, SYSTEM INTEGRATORS & BRANDS

MEET THE JURY



AR. QUTUB MANDVIWALA
Mandviwala Qutub
& Associates



MR. NIMISH AJMERA
Ajmera Realty & Infra
India Limited



MR. NILESH PURANIK
Puranik Builders Ltd.



AR. SHILPA JAIN BALVALLY
Studio Osmosis



MS. WENDY GRIFFITHS
CEDIA



AR. ANIL CHAVDA
Anil Chavda and
Associates

NOMINATION DATE
EXTENDED

Submission Due Until
Midnight 15th April 2025

8th MAY 2025

Jio World Convention Centre,
BKC, MUMBAI

Organised by:



messe frankfurt

www.smarthomeexpo.in

EXHIBITING BRANDS IN 2025

1HOME	1 SOUND	ABB	AYTEXCEL INDIA LIMITED	AK FOCAL haim	AUTRONX ACQUISITION SYSTEMS	ARIAO	ARISS	ATD AUTOMATED THERMAL DISTRIBUTION An ISO 9001:2015 Company	AERO Visual Brilliance	A-OK Automated Control System Curtain Motor & Table Motor
aretex	axiom	ACOUSTIC ARTS	AV NIRVANA INDIA	AVPro <small>3000</small>	AUDIOVAN www.audiovan.in	Akuvox Open A Smart World	[A] ALTA LABS	artsound	audio NIRVANA	
AUTOSIS	akubela	AlVis alvishomes.com	AUDIOflow	AMINA COMMERCIAL & RESIDENTIAL	AUDIX	ascendo ELEVATE YOUR SOUND	ADVANCE PARIS	Adept Audio	AudiBAX	auden
Atlantic TECHNOLOGY	Artcoustic	ARCHITECTURAL	AUREA SOUND SYSTEMS	ACOUSTIC ENERGY by the way of sound	ASHAPURA IMPEX	BaghiWala	blumotix SOUND SYSTEMS	BuildTrack	benq	BEE NEXT
RESIDENTIAL	basalte	Bowers & Wilkins	brid360	BIG AMERICA SOUND SYSTEMS	black nova	BLUSTREAM	B&B	BAB TECHNOLOGIE	BUGANI TEAM CONCEPTS	B.E.G.
basIP	BM BUILDWELL MOTOR	biamp.	cloud Clearly better sound	CONTROLFonic	CANTON	CLEAR	CORNERED AUDIO	COOLAUTOMATION	CJC speakers that turn you on	CU
coterra biodesign NO MORE, NO WORRY	Cosanta SOLID PROTECTION	CABLE-WISE	clearview	cerasonar	COTODAMA	Caiva.ai	CITRON	CP PLUS	COHESIVE SOUND SYSTEMS	Cinebels
CRESTRON	CAVITAK	CASADIGI	CkESSIDA	CHANGHONG	Dangbei	DT SCREENS	DIGITECH ILLUMINATING YOUR LIFE'S PATH	DUNE HD	DOOYA TUNABLE MOTORS	DRAIN VAC
Dienline	dorsët www.dorset.co.uk	DNAKE	DoorBird Authorized Distributor	Doodle Tech	DESI IOT	DEVIALET	D. DEFINITIVE TECHNOLOGY	DOO	DENON	DYNAUDIO
DS	DSI Automation Pvt. Ltd.	DNM	elsner	ESCALA TECH	Eight Audio	EVERVUE	ELAN eNoble sound	eelectron	episode	EverGlow
Ettheonix	EAE TECHNOLOGY	ESPRESSIF	escozor SOUND SYSTEMS	EPSON EXCEED YOUR VISION	ETELECHY DIGITAL AUDIO	ELFE WORKS	Elenmore	etherreal	EMI RESEARCH & DEVELOPMENT	ekinex
EcoEarth SOUND SYSTEMS	eCloud Integrated Technologies Pvt. Ltd.	Electro-Voice	EVOLIX	ELKO cp	EDIFIER	wecler	EUROPA ANTI-THEFT ENGINEERING	ELAC	FONESTAR	FYNE AUDIO
FORMOVIE	FS cables	FX	future automation	Fusion RESEARCH	FSCREEN	FURN & FEN	FUNK Tunable Motors	FAITH Quality Speakers	FASTRACK	GUDE
Global Cache	GLASSON ARCHITECTURAL SOLUTIONS	GreatSound Acoustics	GO MOTION MOVIE LIFE AUDIO	Glorious	GLOBAL SYSTEMS	GadgEon Engineering Smartness	GALLO ACOUSTICS	GPS SWITCH SOUND SYSTEMS	Goody LOOK & ARCHITECTURAL SOLUTIONS	GEZE
HAVELLS	HAVELLS Grabtree — Switching solutions since 1916 —	Holm	HiTECH AUDIO & VIDEO	HEGEL MUSIC SYSTEMS	HECO	HMS	IC CABLE SYSTEM	inoir	invac	Intesis by the way of sound
Incygys	Integra.	I PORT BY SONANCE	INEL	"INTERRA SOUND SYSTEMS	Jamo Your Vision, Our Design	James SOUND SYSTEMS	JR Automated Technology Project	JVC	JUKE AUDIO	JBL
JMGO	JNM Just keep listening...	JINI	KGEAR Smart Audio Solutions	K-ARRAY SOUND SYSTEMS	KURIARZ Your Vision, Our Design	KEY AUTOMATION	KSIX EXPERIENCE SOUND	KLING FREITAG BRAND FORMER	KEF	kondz Connectivity Assured
KEYLINES	KNX NATIONAL INDIA	Klipsch	kasper	KEI	LINN	Lithoss	LOEWE.	Little NAP RECLINERS	LYNGDORF	LA SOUND
ESACOUSTICS	LITOMATIC EMPLOYMENT TECHNOLOGY SOLUTIONS	LG	Lauritz Knudsen SPEAKERS & AUDIO SYSTEMS	LTECH SPEAKERS & AUDIO SYSTEMS	LIBRE	Lumogen	McIntosh LEGENDARY PERFORMANCE	MIANTIC AV SYSTEMS	MOON SOUND SYSTEMS	MYCON LINK
Marshall	madVR LABS	mission	AV AUDIO SYSTEMS	Magnat	moorgen	marantz	MONITOR AUDIO	M&K SOUND	MESSUNG	MORION



MUMBAI

8 • 9 • 10 MAY 2025

Jio WORLD CONVENTION CENTRE

INDIA'S LARGEST SMART HOME TECHNOLOGY EVENT

REGISTRATION OPEN

www.smarthomeexpo.in

Organised by:



messe frankfurt

CONTENTS



14

14 Cover Story

In our Cover Story, we explore whether Luxury Home Automation is a wise investment for homeowners. We break down the pros and cons, offering expert insights and industry perspectives to help homeowners understand how smart technology is a smart choice.

Juan Reyes, Executive Director of the 8K Association, highlights the benefits of 8K resolution and advocates for collaboration and innovation to accelerate its adoption, ensuring an unparalleled viewing experience.

31

31 Feature Article

Featuring insights from leading brands on the latest advancement and products for Smart Lighting and Lighting Control solutions for commercial offices.

67

67 Brand Connect

AV Nirvana is a leading distributor of premium audio-visual products, offering solutions for home cinema, Hi-Fi systems, and multi-room AV distribution.

Visual Vibrations provides high-end AV solutions for residential and commercial projects, featuring one of India's largest AV experience centers with specialized demo rooms.

Escala Tech specializes in luxury home automation and AV brands, ensuring access to top-tier technology across India.

40

40 Case Study

Designed by Ar. Aniruddha Nafrey of Arriva Designs, in collaboration with System Integrator Mukul Todi, has refined the living experience for the client by integrating automation.

Twin Villa, designed by SIAN Architects, blends luxurious living with advanced smart technology. From top-tier security systems to energy-efficient technologies, every aspect is carefully integrated for seamless control and maximum convenience.

74

74 Product Previews

The Formovie Cinema Edge 4K UST projector transforms any room into a movie theater, offering premium features that are set to revolutionize home entertainment.

BenQ's projectors offer high colour accuracy, covering 100% of the DCI-P3 colour gamut and Filmmakers mode. With W5800, you can experience up to 200" screen with laser-sharp clarity in the comfort of your home.

54

54 Interviews

Paul Ward, International Sales Manager, Coda Audio, talks about the brand's evolution and upcoming innovations, and outlines its vision for the future of audio technology.

Neilesh and Bhavya Kenkare, Founders, Arch-Aid, share their experience with using home automation, smart lighting, and other advancements in their projects.

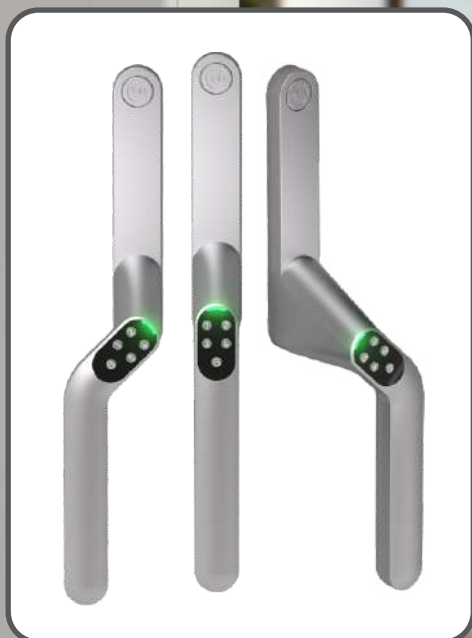
Sanket Rambhia, MD & Founder, Xtreme Media, is a tech visionary and entrepreneur passionate about digital display technology. His unwavering ambition drives his vision of global leadership in the LED display industry.

79

79 News

The latest updates on a wide array of product categories such as Home Automation, Building Technology, Smart Products, AV Products, Smart Lighting, Desking Systems, Smart Appliances, and more.

Security beyond entry doors with the **Yale Smart Code Handle**



Expand your smart security because
safety shouldn't stop at your front door.



Easy installation
no wiring



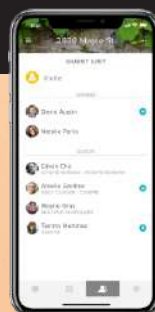
For patio/balcony
doors & windows



Yale Home



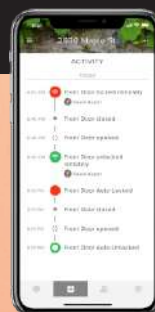
App control



DoorSense™
technology



Activity
monitoring



Guest
access

For more inquiries please
WhatsApp **6387 409 260**
Email: **Customer_Enquiry.India@assaabloy.com**



*Conditions Apply

FROM THE EDITOR



SWATI BALGI

Smart homes are more than just a trend—It is all about embracing innovation to create a more connected, comfortable, and secure living space that perfectly aligns with your personal needs and lifestyle. In this issue, our cover story is on Luxury Home Automation and whether it's a smart investment for homeowners. Experts offer their insights and industry perspectives which will help you better understand how smart technology is transforming modern living.

Our feature story highlights the latest advancements in Smart Lighting and Lighting Control solutions for commercial offices, demonstrating how these innovations are improving workspaces with energy efficiency and well-being of the employees.

We also bring you interviews with key industry leaders. Paul Ward, International Sales Manager, Coda Audio, discussing the brand's evolution, upcoming innovations, and its vision for the future of audio technology. Neilesh and Bhavya Kenkare, Founders, Arch-Aid, share their experiences integrating home automation, smart lighting, and other advanced technologies into their projects. Sanket Rambhia, MD & Founder, Xtreme Media, talks about his passion for digital display technology and their future plans. Juan Reyes, Executive Director, the 8K Association, advocates for the transformative benefits of 8K resolution, emphasizing collaboration and innovation to accelerate its widespread adoption.

Two homes that we showcase in our Case Study sections are of Ar. Aniruddha Nafrey who along with System Integrator Mukul Todi, has enhanced the living experience for a client by integrating automation into their home. The 2nd project is the Twin Villa project by SIAN Architects, where they have opted for Schneider India's Automation, which blends luxury living with smart technology, from advanced security systems to energy-efficient features, all easily controlled.

In our product previews, we showcase the Formovie Cinema Edge 4K UST projector, which revolutionizes home entertainment by transforming any room into a high-quality movie theater. Additionally, BenQ's W5800 projectors deliver stunning color accuracy and clarity with 100% DCI-P3 color gamut coverage, bringing a cinematic experience to your home with a screen size of up to 200".

The countdown to Smart Home Expo 2025 has begun! Be sure to register and submit your Smart Projects for the Smart Space Awards. Don't miss out on the latest updates!

SMARTHOMETM WORLD

FOLLOW US ON



Chief Editor:

Swati Balgi
swati@smarthomeworld.in

Assistant Manager - Sales:

Monika Agnihotri
monika@smarthomeexpo.in

Marketing Head:

Sandeep Singh
sandeep@smarthomeworld.in

Tech Journalist:

Sunny Sawant
sunny@smarthomeworld.in

For More Information Contact Us:
+91 93210 24581



Published by:

WORLD MEDIA & EXPO LLP.

505, D-Definity, Jay Prakash Road no.1, Goregaon(East), Mumbai-400063 | www.smarthomeworld.in

Smart Home World thanks the various companies that have submitted information. For any editorial submissions, please contact Ms. Swati Balgi, Editor, at swati@smarthomeworld.in. The information published in News, Ongoing Trends and Product Gallery is as per the details furnished by the respective manufacturer/distributor. It does not reflect the views of Smart Home World or of the management of WORLD MEDIA & EXPO LLP.



India

TRANSFORM YOUR LIVING SPACE

Experience the Pinnacle of Color Fidelity Upto 150" Screen



V5010i

4K RGB Laser TV Projector



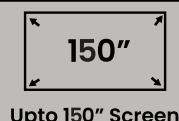
Powered by
androidtv



CinematicColor™
95% BT.2020



TrueSound by
treVolo
(40w)



Upto 150" Screen



Corporate Office: BenQ India Pvt. Ltd.

9B Building, IIIrd Floor, DLF Cyber City, DLF Phase III, Gurgaon, Haryana, India - 122002

Tel: +91 124-450 1400, Fax: +91 124-450 1400

www.BenQ.in | sales.enquiryin@BenQ.com | 1800 419 9979



Scan here to know more

V5010i comes with 3-years on-site warranty.

The laser light source is also covered by a warranty of 3 years or 15,000 hours whichever is earlier.

www.BenQ.in | Like BenQ India on

SMART POWER FOR YOUR SPACE

HELPING YOU CONSUME ENERGY SMARTLY

Homes | Offices | Retail Stores | SoHo



Dimming

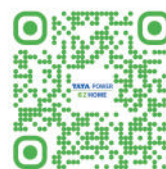


Sensor



Lighting

WiFi Switches | Touch Panels | Convertors | Sensors | Sensor Lights



TO KNOW MORE

Cinema Edge

Next-Level Projection, Unmatched Clarity



Google TV NETFLIX

4K UHD

2100 ISO Lms

ALPD

DOLBY Vision.Atoms

A sleek design that speaks volumes. Formovie Cinema Edge Laser TV combines minimalist elegance with cutting-edge technology, blending seamlessly into any modern home. Its refined exterior reflects the sophistication of what's inside--powerful visuals and immersive audio. A projector that doesn't just perform, but belongs.

HDR 10

MEMC

Wi-Fi 6

3000:1
FOFO CONTRAST

110%
REC.709

DTS HD

150" MAX
150"
UST Screen

FOR MORE DETAILS PLEASE CONTACT US

Email : hello@aytexcel.com | Mob : +91 9820022205 / +91 9920023881

Add : 1101 Esperanza, 198 Linking Road, Bandra West, Mumbai 400050.

Demo available here and at many experience centres across India.

ALL INDIA SERVICE CENTRE

IN MUMBAI

2 YEAR WARRANTY

www.aytexcel.com      Scan here to visit Our site



Visit
Us



SmartHome
Expo 2025

MUMBAI

8•9•10 MAY 2025

Jio WORLD CONVENTION CENTRE

EVERY DOOR DESERVES A

dorsët

MORE SAFE. MORE SECURE.

Unlock A Smarter Way To Live



INBUILT VIDEO
DOOR PHONE

dg 406



FREE
INSTALLATION



FACE
RECOGNITION



PALM VIEW
SCAN



BIOMETRIC



PASSWORD



RFID CARD



MECHANICAL
KEY



VIDEO
SURVEILLANCE



MOBILE
ACCESS



INTERACTIVE
VOICE GUIDE



2 WAY
INTERCOM



AUDIT
TRAIL



OTP
ACCESS



DUAL
AUTHENTICATION

Follow us on: [f](#) [in](#) [@](#) [▶](#)

www.dorsetindia.com

dorsëtcare  Call at: 1800 11 4448



CONNECT ON WHATSAPP
FOR MORE INFO

marantz®

GRAND HORIZON

THE PINNACLE OF LUXURY AUDIO



KEY FEATURES

- ▶ 360° Seamless Sound: Surround yourself with crystal-clear audio.
- ▶ Marantz Rise™ Amplifier: Precision-engineered power for true high-fidelity sound.
- ▶ Premium EcoFiber Design: A statement of sustainability & sophistication.
- ▶ HEOS® Multi-Room Streaming: Music, anywhere—effortlessly.

marantz®

D.
DEFINITIVE TECHNOLOGY

Magnet

HECO®

Q
ACOUSTICS

LOEWE.

BOC AMERICA
Established since 1973

MISSION

episode®

TAGA
HARMONY

artsound

QED

OEHLBACH®

brid3

EPSON®

LG

Optoma

Panasonic

ViewSonic®
See the difference.

Email : info@mzaudiodistribution.co.in | al@mzaudiodistribution.co.in | +91 9833006667



Is Investing in Luxury Home Automation a Smart Decision?

Our panel of experts assures that Luxury Home Automation is a smart investment! It improves energy efficiency, enhances safety, and provides long-term savings, making it a valuable upgrade that not only increases comfort but also offers future-proof solutions for large, high-end homes.

Architects and Interior Designers working on high-end projects are frequently asked by clients whether investing in Luxury Home Automation is a worthwhile addition to their upscale homes.

While some are impressed by the allure of cutting-edge technology, they often have doubts about its practicality and potential challenges. Smart technology comes with a

significant cost, deciding whether to integrate luxury home automation into a luxury home can be a tough decision. It's crucial to carefully evaluate both the benefits and potential drawbacks before moving forward.

If you're building a luxury home, you might be asking yourself: Is investing in luxury home automation truly worth it? The answer is a YES — especially if your property spans a large



area, such as villas, bungalows, or mansions. These expansive homes demand more than just traditional systems; they require an integrated, intelligent ecosystem to deliver top-tier convenience, security, and operational efficiency. After all, with such a vast property, it's simply impossible to physically monitor every corner—luxury automation gives you complete control, no matter how big your home is.

As mentioned earlier, managing a large home can be challenging when it comes to controlling various systems such as HVAC, lighting, security, and entertainment across such a large space. Monitoring and adjusting the temperature or lighting in every corner of your home can be difficult, and relying on manual checks can be both time-consuming and inefficient. This is where home automation becomes a true game-changer.

Right Perspective

A comprehensive smart system unifies all aspects of your home—from security, lighting to climate control and many other functions—making it easy for you to manage everything from a single device. Whether it's adjusting the temperature, ensuring optimal lighting, or

monitoring security, smart technology allows you to control your home from anywhere, all with a simple tap or voice command.

For those of you with large residences, home automation adds incredible value by providing greater control, convenience, energy savings, and enhanced security. It's not just about keeping up with the latest trends; it's about creating a home that aligns with your lifestyle, offering seamless integration and unmatched comfort. Investing in a luxury smart home means embracing the future of living—and enjoying the peace of mind that comes with it.

While the appeal of luxury smart homes is undeniable, the adoption of these technologies comes with challenges. The initial investment required to equip a home with the latest smart technologies can be significant, and integrating these systems into an existing home infrastructure can pose technical challenges. Moreover, with the increased reliance on connected devices, privacy concerns and cybersecurity risks remain a key consideration for homeowners. However, as smart home technologies continue to evolve, solutions are emerging to address these concerns, making these homes not only more secure but also more user-friendly.

Smart Home World connects with prominent System Integrators and Professionals, who share their expertise in seamlessly integrating smart solutions. Through their experiences, they highlight the immense value that luxury automation brings to luxury homes.



Sahir Choudhary, Director of Operations and Senior Architect Habitat

As an expert, what are your views on initial investment and the tangible benefits and returns on investment in Luxury Smart Homes?

Investing in luxury smart homes means integrating technology for future-proofing spaces with intelligent, seamless systems that enhance efficiency, security, and overall living experience. By integrating transformative innovations, architects can design homes that are not only intelligent and adaptive but also contribute to the long-term value that drives both societal and ecological progress.

While the initial investment may be significant, the tangible benefits far outweigh the costs in terms of energy efficiency, enhanced security, and an elevated living experience. The true return on investment lies in spaces that are resilient, future-ready, and designed to respond dynamically to the needs of their occupants, making the initial investment a catalyst for long-term gains in both quality of life and property value.

Could you share any case studies of successful luxury smart home projects where you have allocated budget for smart lighting, home automation, advanced security systems, voice assistants, and climate control?

Additionally, how has the integration of these systems benefited the overall project?

In most of our high-end residences, we integrate a multi-layered security system that combines biometric access, discreet facial recognition cameras, and smart surveillance that syncs with the homeowners' mobile devices. From a cost perspective, solutions can range significantly based on scale and sophistication. A basic biometric and smart lock system may start at ₹50,000, whereas an AI-driven security network with real-time surveillance, access control, and emergency response automation could cost anywhere between ₹5 lakhs to ₹20 lakh, depending on project complexity.

The integration of advanced systems has elevated residential projects by seamlessly blending technology with design, ensuring



that security features enhance rather than overpower the space. By making high-tech elements virtually invisible, the residence maintains its warmth and openness, avoiding the sterile feel of a high-security facility. Smart locks, discreetly embedded into custom-crafted door handles, offer both elegance and ease—where a simple touch activates the recognition system, reinforcing security without disrupting the aesthetic or spatial experience.

What AV solutions and luxury keypads/touch switches do you integrate into luxury projects?

In our luxury projects, AV solutions are seamlessly integrated for an immersive yet unobtrusive experience. We use centralised automation systems that control lighting, climate, security, and entertainment through a single interface.

For home theaters, we incorporate 4K laser projectors, Dolby Atmos surround sound, and motorised acoustic panelling, ensuring a high-end cinematic experience. Hidden speakers and retractable screens maintain design harmony.

Luxury keypads and touch switches from brands like Basalte, Lutron, and KNX offer sleek, customizable interfaces—glass touch panels, engraved brass keypads, and backlit controls. These intuitive systems enhance functionality while preserving the elegance of the space.

What are the Potential trends and innovations that will shape the future of luxury smart homes?

Artificial Intelligence (AI), machine learning and predictive analytics are transformative forces reshaping ideation and execution in architecture. More than a tool, they are collaborators. These technologies promise to automate routine tasks, optimise designs for both environmental responsibility and user experience, and even predict future trends through data-driven design insights, setting the stage for a new era of architectural innovation.



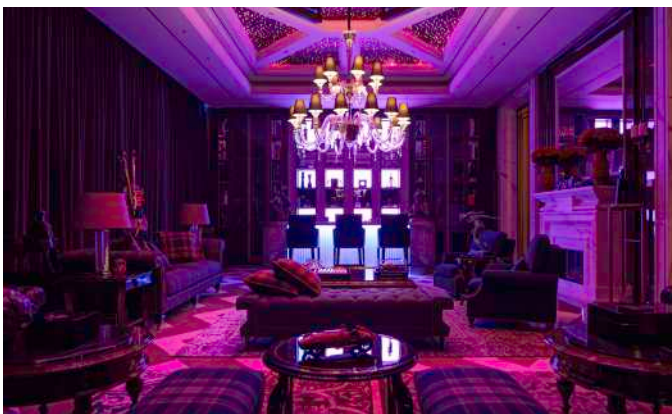
AR and VR will enable immersive design reviews that will benefit client engagement and design validation. Data analytics and sensor technology analyse real-time data, that adjust to changing environmental conditions and user needs, paving the way for architecture that is more resilient and more attuned to human and environmental health rhythms.

Preempting future challenges with these technologies empowers us to design inherently adaptive buildings, fostering symbiotic relationships between structures and their inhabitants.

What are your final thoughts on the future of luxury homes and technology integration?

The future of luxury homes lies in a seamless fusion of technology and design, where intelligence enhances experience without disrupting aesthetic integrity. Luxury homes are no longer defined by opulence alone; they are evolving into intelligent ecosystems where design and technology coalesce to create seamless, adaptive living experiences. The true measure of luxury is shifting from static materiality to dynamic responsiveness.

What we are witnessing is not just the integration of smart technology but a fundamental redefinition of architecture itself. Homes are becoming intuitive entities—anticipating needs, enhancing security without intrusion, and fostering a dialogue between inhabitant and space. The future of luxury homes lies in their ability to remain timeless while being inherently adaptive. Integrating technology is about designing homes that think, react, and evolve, shaping a built environment where sophistication is measured by both aesthetics and intelligence.





Harsh Mehta, Managing Partner, Future Automation Solutions

As an expert what are your views on initial investment and the tangible benefits and returns on investment in Luxury Smart Homes?

Investing in luxury smart homes is becoming an increasingly popular trend among the mid-budget and luxury residential market, combining high-end living with cutting-edge technology.

The initial investment in luxury smart homes tends to be significantly higher compared to traditional homes. Key factors that drive up the cost include electronic hardware as compared to conventional electrical gear, import costs, Customisation in design, premium finishes and expensive software that aid cross integration with various sub-systems.

Investing in a luxury smart home can provide several tangible benefits for homeowners and potential investors, including:

Enhanced Convenience and Comfort: Automation of daily tasks like lighting, temperature control, and entertainment can make life easier. Features like remote access via smartphones or voice assistants enhance the convenience factor.

Energy Efficiency & Cost Savings: Smart thermostats, motion sensors, and lighting, optimize energy use, potentially leading to reduced utility bills, can adjust automatically based on usage patterns and external factors like weather conditions.

Increased Security: Advanced security systems with smart locks, video surveillance, motion detectors, and remote monitoring offer higher levels of protection.

Health and Wellness: Air purification systems, circadian lighting, and advanced home gyms or spas. These systems promote healthier living environments.

The ROI on a luxury smart home can vary based on several factors, including the location, sophistication, and the extent of smart technologies used. However, there are several potential ways to realize ROI, primarily in tangible and intangible ways.

Addressing the Challenges, the most important of them is the Integration and Compatibility. While smart home devices offer convenience,



the lack of universal standards or compatibility between systems can lead to integration issues. Inadequate integration can reduce the overall value and functionality of the investment.

With the rise of data collection in smart home devices, buyers may be concerned about privacy and security risks. It's crucial for luxury smart homes to incorporate robust data protection measures to address these concerns.

Could you share any case studies of successful luxury smart home projects where you have allocated budget for smart lighting, home automation, advanced security systems, voice assistants, and climate control? Additionally,

how has the integration of these systems benefited the overall project?

We have done several projects wherein we give accurate budgets for each subsystem that the client is willing to invest in and with accurate details and forecasts, we try to give them a budget and stick to it till the very end, if there is no change in scope from their side or any changes during the course of the project. The typical budget allocation for luxury home automation systems includes INR 15,00,000 for smart lighting, INR 10,00,000 for a centralized control system, and INR 4,00,000 for advanced security systems, which cover cameras, sensors, and smart locks. Additionally, INR 5,00,000 is allocated for zone audio distribution, INR 2,00,000 for climate control systems such as smart thermostats and HVAC, and INR 4,00,000 for intrusion alarm systems. The total estimated budget for these smart systems comes to INR 40,00,000.

The smart home automation system allows seamless control of lighting, temperature, and security with centralized interfaces (smartphones/tablets). Smart thermostats and lighting are adjusted based on occupancy and time of day, reducing energy costs. The advanced security system, integrated with motion sensors and surveillance cameras, offered real-time alerts and remote monitoring, significantly enhancing safety. Particularly in a high-profile urban setting, features like facial recognition entry, human detection and 24/7 surveillance, gives them an edge, and a peaceful sleep is guaranteed.

What AV solutions and luxury keypads/touch switches do you integrate into luxury projects?

AV Solutions has been a key ingredient of our offering and we greatly emphasize on the utility of each space and try to design the AV solutions pertaining to that space keeping in mind the function, the volume, the aesthetics, and of course the budget into consideration.

From Stereo, to Immersive Surrounds, from Lounge to Multipurpose Systems, From Multi-zonal to Landscape Audio and finally Dedicated Media Rooms, is what we generally

cater to. We strive to think out of the box with innovative ways to deliver sound, making them inconspicuous yet functional, filling and satisfying, without sacrificing the essence of performance.

Because of our inclination towards open systems from the very inception, we have been working on KNX and it truly liberates us to pick and choose keypads from a plethora of makes and finishes. We are quite judicious in what we select. Based on the client profile, the usage preference, the age group, the theme and finish of the house and finally the budget as well. We majorly prefer to use pushbuttons, than touch switches for they are more intuitive and make life much much easier. With the advent of backlit keypads, their aesthetics and functionality went up many notches higher.



What are the potential trends and innovations that will shape the future of luxury smart homes?

The future of luxury smart homes will be driven by several emerging trends and innovations that will enhance convenience, sustainability, and security. Here are some key developments to watch:

- * AI-Driven Personalization
- * Advanced Energy Management & Sustainability
- * Advanced Surveillance based on Analytics
- * Voice & Gesture Control Evolution
- * Health & Wellness Integration
- * Self-Sustaining Homes (Autonomous Living)
- * Robotic Assistance



What are your final thoughts on the future of luxury homes and technology integration?

The future of luxury homes is undeniably intertwined with technological advancements, offering unprecedented opportunities to enhance the living experience. As technology continues to evolve, luxury homes will increasingly become hubs of innovation, seamlessly blending cutting-edge systems with sophisticated design.

Key Takeaways:

Seamless Integration: The integration of technologies like AI, IoT, and advanced automation systems will make luxury homes more intuitive, personalized, and responsive to the needs of homeowners.

Sustainability and Efficiency: The focus on sustainability will drive the incorporation of eco-friendly technologies such as solar panels, smart energy management, and water conservation systems.

Health and Wellness: The future of luxury homes will increasingly emphasize health and wellness. From air quality and sleep optimization to personalized fitness

environments, smart homes will cater to a holistic lifestyle, where technology actively contributes to the well-being of the occupants.

Enhanced Security and Privacy: With growing concerns about privacy and security, luxury homes will leverage next-gen biometric systems, AI surveillance, and advanced encryption technologies, ensuring peace of mind and a safe, private environment for residents.

Continued Innovation: Innovations like AI Personalisation, VR/AR, and robotic assistance will further elevate the smart home experience, providing residents with more control, customization, and even immersive entertainment options, pushing the boundaries of what is possible in home living. In short, I foresee, the future of luxury homes is not just about high-end materials or aesthetics—it's about how technology can enhance every aspect of daily life, from energy efficiency and sustainability to security and personal comfort. As these technologies mature and become more affordable, the line between luxury living and high-tech innovation will blur, creating smart homes that are not only luxurious but also adaptable, sustainable, and future-proof.



Harshul Parikh, CEO & MD, Trescent Lifestyles

As an expert what are your views on initial investment and the tangible benefits and returns on investment in Luxury Smart Homes?

Over the past 15 years, Smart Homes have gained popularity in India. Not only do smart homes provide convenience and security for the homeowners, they also provide energy efficiency, increased property value and market appeal along with health & wellness features.

Estimate ROI ranges from 20-50% over time depending on the scale of automation. Property resale advantages command a premium over regular homes in the high-end markets.

Could you share any case studies of successful luxury smart home projects where you have allocated budget for smart lighting, home automation, advanced security systems, voice assistants, and climate control? Additionally, how has the integration of these systems benefited the overall project?

Almost every day we are budgeting new systems for customers and the allocation generally averages out to 50% for lighting control & shades, 25% for integration systems including voice and climate control, 10% for security system and 15% for networking systems.

I believe integration of these systems is the most important factor to make an overall system beneficial to the customer. We just

completed a 20,000 sq. ft duplex in Mumbai with a one-of-a-kind system in India where an LLM model has been hosted on-site to provide Voice AI as an interface to the entire smart home system. The voice AI is advanced enough to recognise homeowners voice and therefore doesn't respond to anyone who is not authorised to use the system. It can play music in any room, switch on the TV, maintain schedules, and reminders and provide health alerts. It is further extended to provide concierge services for the homeowner, including ordering food & beverages from the kitchen.

The system automatically detects which room your in and makes the interface more intuitive compared to Amazon Alexa or Siri.

What AV solutions and luxury keypads/touch switches do you integrate into luxury projects?

We have worked with over 100+ manufacturers from across the globe. For serious home automation requirements, we rely on Crestron. The entire system is extremely robust and



reliable with security levels which are strong enough to be relied upon by the US Government and Indian Government in critical applications. For AV systems we frequently work with Bowers & Wilkins, Amina Invisible Speakers, Architettura Sonora, Steinway Lyngdorf and CSEED.



What are the potential trends and innovations that will shape the future of luxury smart homes?

Everyone is talking about AI everywhere, after our recent experience with AI, I can definitely say that AI will have a large impact on luxury smart homes. The fact that the system can start to predict patterns & preferences which are user-specific takes luxury smart homes to the next level.

Health & Wellness products will continue to integrate into Smart Homes. Air Quality and

HVAC control are becoming more important to the end-user.

What are your final thoughts on the future of luxury homes and technology integration?

Being in this industry for almost 20 years, I have seen the technology evolve quite a bit, I'm very optimistic that the best years for integrated homes are ahead of us where adoption will continue to increase and the focus in the luxury sector will be on good quality products that provide reliability in conjunction with great user experience.



Jaleel Sabir, Founder, Mahavir Soundroom

As an expert what are your views on initial investment and the tangible benefits and returns on investment in Luxury Smart Homes?

Luxury homeowners expect their homes to have customised solutions tailored to match their bespoke interiors and integrate technology into their designs. This itself adds great value to the house. Initial Investment may be too high but tangible benefits and ROI often justify the costs. Smartly designed luxury smart home reduces long-term operation costs. Automated lighting and climate control drastically reduce energy consumption. Advanced security features, such as smart locks and surveillance systems, enhance the safety of luxury homes, providing peace of mind to the residents.

Could you share any case studies of successful luxury smart home projects where you have allocated budget for smart lighting, home automation, advanced security systems, voice assistants, and climate control? Additionally, how has the integration of these systems benefited the overall project?

Most of our projects have Smart Home Systems installed. We do end-to-end tailor-made solutions for our clients and each one is different than the other as all are designed keeping their personal preferences in mind thereby enhancing their comfort and lifestyle quality.

For one such high-profile resident, we had automated to the extent that when his car

is detected 100 meters from his house the security was informed and lift overrides all functions and came to the ground floor. We even automated his temperature-controlled swimming pool which had an automated cover. His pool will be ready when he arrives to take a plunge. Apart from lighting and climate control all his window shades were automated. He had 4 motors to be controlled for his windows - Main curtains, sheer curtains mosquito curtains and UV protection shades. His entire house had channel music where he could play anything of his choice by voice control and also had a large LED wall control where he can divide the screen in four displays and choose multiple devices to watch what he wants. Not to mention his world class home cinema which can play movies when they release in the theatres and which also features Dolby Atmos, DTS X and Auro 3D audio formats. Automation is a great tool to make this complex system very easy to use for the end user.

What AV solutions and luxury keypads/touch switches do you integrate into luxury projects?



We use A/V solutions from various brands like Bang & Olufsen, Meridian, Artcoustic, K-Array, Aurea, SIM2, Screen Research, Sony, BenQ to name a few. We use lighting automation of KNX from ABB, Panasonic, MDT and Raylogic. Control automation from Savant and CasaDigi. Keypads from Tense, Basalte, Moorgen, Raylogic, Citron and EAE.



What are the potential trends and innovations that will shape the future of luxury smart homes?

The major impact in the future of luxury smart homes is being done by Artificial Intelligence. It can be used in homes to optimize energy use, security, and home management. AI can learn user preferences, automate routines, and provide predictive maintenance alerts. Deep integration with phones is another big game changer for home automation. You can trigger certain functions when your phone comes closer to your home or office using geo fencing, when it connects to your home or office Wi-Fi, when your phone connects to car play or when you get a very important email. Anything that happens in your phone can now be programmed to control your home. You can even program NFC tags so by just tapping your phone to one you can trigger an event in your home.



What are your final thoughts on the future of luxury homes and technology integration?

With so much technology now being implemented in anything and everything you buy for your house including your beds, your refrigerators, your irrigation systems, renewable energy systems etc. It is even more important that you choose the right integrator who can design the system which best suits your requirement and he makes it very easy for you to use.



Monicaa Sambharya, Lifestyle & Smart Home Technology Consultant

As an expert what are your views on initial investment and the tangible benefits and returns on investment in Luxury Smart Homes?

Investing in luxury smart homes goes beyond mere convenience—it is about elevating one's lifestyle, ensuring top-tier security, optimizing energy efficiency, and enhancing long-term property value.

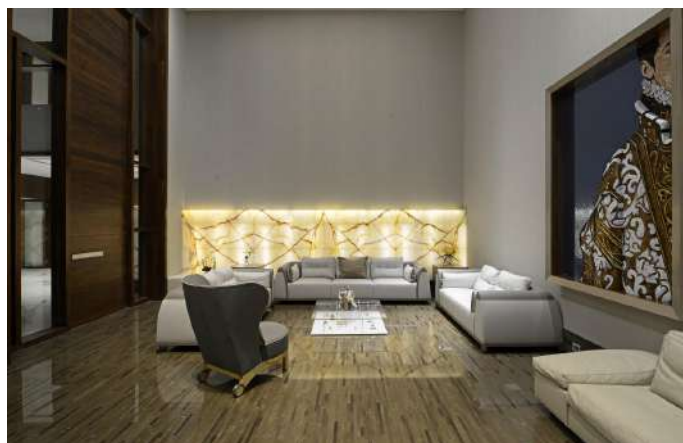
This is a question many of my clients frequently ask: Is it truly worth the investment? My response is simple—when purchasing a high-end luxury car like a Rolls-Royce, BMW, Mercedes, or Maybach, the latest technologies are a key consideration. Yet, despite only spending a few hours in a car daily, buyers ensure they have the best features available. Now, consider your home—the space where you spend the majority of your time. Would you not want the same level of innovation, comfort, and cutting-edge technology in your living environment? The answer is undeniably, Yes!

Moreover, across the world, luxury properties that appreciate in value share a common factor—strategic smart home integration. A well-equipped luxury home is expected to feature advanced automation, a private home theater, a dedicated party room, and seamless control over lighting, security, and climate. These elements not only enhance functionality but also add to the prestige and desirability of the property.

Beyond aesthetics and status, true luxury is about experiencing a superior lifestyle. Imagine indulging in your favorite films in the comfort of your own private theater, hosting unforgettable house parties with impeccable sound quality, and effortlessly managing your home with a touch or voice command. Luxury isn't just about displaying wealth—it's about truly living and enjoying the finest comforts life has to offer. So, why settle for anything less than the best in your own home?

Could you share any case studies of successful luxury smart home projects where you have allocated budget for smart lighting, home automation, advanced security systems, voice assistants, and climate control? Additionally, how has the integration of these systems benefited the overall project?

Having designed luxury smart homes since 2009, I have gained valuable insights into budget allocation and the key elements that define a truly intelligent living space. Typically, home automation accounts for approximately 40% of the budget, while Extra Low Voltage (ELV) systems take up around 20%. The remaining



40% or more is dedicated to immersive entertainment experiences, including high-end home theaters, private den rooms, party areas, and rooftop or poolside entertainment spaces. It is evident that entertainment plays a significant role in the overall budget, as homeowners increasingly seek personalized, cinematic, and multi-sensory experiences within their residences.

Clients love to create lasting memories in their luxury homes, whether it's through



intimate family gatherings, celebrations, or personal moments of relaxation. If the smart technology seamlessly enhances these experiences—making them more enjoyable, convenient, and memorable—then it can truly be considered successful.

Case Study- I'll never forget a moment during a client handover when the family asked me to play their favorite song from Titanic on the newly set up beach facing Den room. As the music played, they embraced each other, moved to tears of joy. That moment was a true testament to the impact of our work—when technology not only enhances the home but also elevates the emotions and memories shared within it. For me, that's the ultimate accolade and I am most thankful to the universe for giving me many of those.

I haven't seen my clients relying heavily on voice control, as it can be somewhat inconvenient—requiring a specific tone and volume for accurate recognition. The most seamless and efficient way to interact with smart home technology is through intuitive control systems like Control4 and Crestron, which offer precision, reliability, and a truly effortless user experience.

One of the most critical aspects of modern luxury smart homes is climate control. In the

past, thermostats often failed to accurately read room temperatures, leading to inefficiencies. However, with third-party solutions like Airzone, precision control has now become seamless, ensuring optimized comfort and energy efficiency.

Ultimately, integration is the backbone of a successful smart home project. While professionals focus on DBs, panels, and backend systems, the homeowner is primarily concerned with the user experience. They desire effortless control—whether through a single remote, a touchscreen interface, or their smartphone—to adjust mood lighting, stream their favorite music, or enjoy a movie in their home theater with just a touch or voice command. If the system fails to deliver this seamless experience, the entire design and execution fall short of expectations.

What AV solutions and luxury keypads/touch switches do you integrate into luxury projects?

The world of AV solutions is vast, offering an extensive range of options to create immersive and high-performance experiences. For home theaters, I highly recommend Mag Speakers, Griman Speakers Alcons, Perlisten, Steinway Lyngdorf, and Sonus Faber, as they deliver exceptional acoustics and precision audio,

ensuring a true cinematic experience. When it comes to high-end party spaces, Alcons, Meyer Sound, and K-array stand out for their superior sound dynamics, providing the perfect atmosphere for entertainment and social gatherings.

When it comes to luxury home automation keypads, both aesthetics and functionality are paramount. The Lutron Alisse Keypad series embodies elegance and sophistication, perfectly complemented by Polar Bear thermostats, setting the benchmark for luxury home control. Pairing these with T&J switch sockets and Lutron faceplates creates a seamless and refined look, elevating the overall design of a high-end smart home.

Additionally, Moorgen has introduced some exquisite Swarovski-studded keypads, adding a unique touch of opulence—though I have yet to implement them in a project. Another favorite is Jung, known for its impeccable design sensibility, which resonates well with interior designers and discerning clients alike. Ultimately, selecting the right AV and automation solutions is about blending cutting-edge technology with timeless luxury, ensuring both seamless performance and an aesthetically pleasing environment.

What are the potential trends and innovations that will shape the future of luxury smart homes?

In luxury homes, I prioritize the comfort, convenience, and well-being of the elders in the household. I look forward to the future of high-end living, where advanced robotics will seamlessly assist with daily tasks such as cleaning, cooking, and personalized elderly care. AI-driven home assistants will not only enhance security and energy efficiency but also provide real-time updates on health monitoring, medication reminders, and daily schedules, ensuring a safer and more comfortable living experience for seniors.

Luxury is also synonymous with sustainability. Luxury homeowners are incorporating solar energy management to reduce carbon footprints while maintaining high-end comfort. In doing so, they are making a



meaningful contribution to combating global warming and promoting a greener, more sustainable future.

What are your final thoughts on the future of luxury homes and technology integration?

When it comes to investing in luxury homes, don't be penny-wise and pound-foolish. The integration of smart technologies is an investment in both the future and the present. Focus on the robustness of technology, and choose brands that have a proven track record—those with a history of innovation and longevity. It's essential to prioritize reliability over novelty, especially when faced with new, often cheaper alternatives that promise wireless, retrofit solutions with no cabling required. While these options may seem appealing initially, they often lack the long-term durability and performance that established brands offer.

Engage with experienced smart home consultants who have been at the forefront of the industry for over a decade. Review their portfolio, and don't hesitate to ask for client testimonials, which are often the most telling indicators of quality and service.

Remember, if you focus too heavily on discounts for technology, it's important to consider the hidden cost: discounted services. In a high-end luxury home, service quality should never be compromised. After all, you wouldn't want to pay less for a premium experience and receive anything less than exceptional results. It's all about finding the right balance of value, quality, and longevity—because, as the saying goes, "You get what you pay for," and in the world of luxury smart homes, that's an investment that pays off.



Maulik Unadkat, Founder, Beyond Alliance

As an expert what are your views on initial investment and the tangible benefits and returns on investment in Luxury Smart Homes?

When we invest in any luxury we look at its value and not at the price. Expectations from a smart home investment must be in aspects of what value it adds to our family's lifestyle. The real return on investment is the amount of intelligence it can add to our space. The more space you can think, the higher the ROI. Automation is no longer about IoT or Apps, that's too novice. Automation for any luxury home is about how well the tech piece resonates with the way the user thinks.

Whenever we talk about the WHY of automation in terms of tangible benefits, we talk about lighting. Humans take inspiration from Mother Nature, especially the Sun and the Moon when it comes to lighting. The same interiors look different in 2500K lights (yellow) vis-a-vis a 6000K light (white), different in 50% dimming and different in full brightness. This play of light is what enhances or kills the aesthetic appeal of the space. You have to see it to believe it. No wonder why site shoots are always revolving around which light brings out the most appealing output.

Lighting also impacts health directly because melatonin release is dictated by the amount of blue light in the room. How easily one falls asleep not only depends on the blue light of your digital screens but also on which colour temperature and intensity your room lighting is. It's all scientific, not just a sales pitch.

Could you share any case studies of successful luxury smart home projects where you have allocated a budget for smart lighting, home automation, advanced security systems, voice assistants, and climate control? Additionally, how has the integration of these systems benefited the overall project?

We at Beyond Alliance are trusted to empower more than 200 homes every year with technology. Allotting about 1000 per square feet onwards as an investment in technology has become a norm. This budget is spread across automation, AV, networking, communication and security solutions.

Most interior designers and architects that we are partnered with really believe that tech adds life to the overall project. Social gatherings revolve around bingeing over sports, music or some OTT content in cozy 4K atmos home cinemas. Now UST projectors can be used to create cinematic experiences in living rooms. So there's always room to seat large groups of loved ones to get entertained.

Covid and work-from-home culture has brought unified communications to home as well. The home office can be equipped with a personalized video conferencing setup on interactive TVs which also become a study room for the kiddos. All this demands a robust wired mesh network designed using the latest WIFI standards using future-ready cables.

Apple Home has made voice control so easy that one no longer needs to memorize voice commands. Nor do we have to invest in voice-assisted speakers in every room. The home app reads voice commands which can be altered by the user anytime. And the power button of the iPhone is the Siri button which means we don't even need to awkwardly say 'Hey Siri' each time we command something.

We always say this and believe in it. The automation system is never as good as the brand used but only as good as the programmer integrating it. Having a certified team that has been with us for the last 15 years and witnessed deployment of more than 1500 HNI luxury spaces is what brings on table the capabilities needed to create a good experience.



What AV solutions and luxury keypads/touch switches do you integrate into luxury projects?

Each speaker brand has a sound signature, almost comparable to how each singer has a tonal quality. Designing audio is a personalised tailoring responsibility. Hence we have more than 6 brands and about 12 listening rooms spread across 6 experience centres. Seeing is believing when it comes to investing in projectors and hence we have each of these listening rooms equipped with 4K laser projectors to showcase the clarity and capability of these beasts.

Keypads have to resonate with the design language of the wall or material that they sit on. They have to be neatly and beautifully engraved and backlit. The fonts and the tactile feel of the keypad must also speak luxury. And at the same time appeal to all age groups that

are going to use it. At times we engrave in the native language of the end user to make it easy for grandparents to use.

The design has to be personalised to the space and the user.

What are the potential trends and innovations that will shape the future of luxury smart homes?

We have started using NFC tags these days for triggering scenes. We are using bridges to bring automation apps to Apple Home and Google Smart Things platforms to make it more intuitive. This means new wearable technologies are the next user interface.

AI is beginning to show its early days in home automation. Apple already adds features of 'when the first user or I enter the room or when the last user or I leave the room' what must



happen. When an accessory is controlled or a sensor is triggered what must happen? At sunrise or sunset, what must happen? These are things that bring innovation to user experiences.

What are your final thoughts on the future of luxury homes and technology integration?

Luxury means zero tolerance or compromise. We truly believe the hardware used must be so robust that it lasts 20-30 years even if its running 24x7. Cheap electronics can scale a business but not pass the test of time. One weak component in the integrated eco system can create a nightmare. So we must be extremely careful about the country of origin of the technology we invest in.

Also, high standards of electrical safety must be engineered when using electronics to control electrical loads. The power grids in cities are struggling to provide clean power 24x7. Its challenging to isolate electronics and electrical loads in retrofit designs. Hence, we

truly believe luxury homes must be hard wired always.

Just like how we are careful of radiation frequency exposure from cellphones. We must also be careful and limit radio frequencies in the home too. Even when we design WiFi we prefer standards like WiFi6 which reduce transmission to upto 30% when no data transfer is active. Safety first always when it comes to family.

Empowering homes with technology is a responsibility and must be done with immense care and passion.

After our interaction with experts from the industry, we conclude luxury home automation is a valuable investment that enhances control, efficiency, and security in large properties. While it comes with upfront costs and technical challenges, the long-term benefits in comfort, energy savings, and future-proofing make it a smart choice for luxury homeowners. As technology advances, the value of automation will only continue to grow.



Unlocking the Advantages of Smart Lighting for Offices

Smart Lighting and Control Systems are key to optimising energy efficiency and boosting productivity in commercial offices. Brands provide their insights on smart lighting and their offerings.

Soaring electricity bills have become a major concern for offices of all sizes. As offices continue to operate for long hours, traditional lighting systems can't control inefficient energy use, driving up operational costs in most of the large offices. Apart from the bills well-being of the employees is also a major concern. The Smart Lighting and Lighting Control Systems provide an ideal solution for reducing electricity bills while enhancing employee comfort, productivity, and overall building performance. With these smart lighting solutions, you can achieve a more sustainable and cost-efficient office environment without sacrificing quality or comfort.

Smart Lighting Systems use advanced technologies like occupancy sensors, daylight sensors, and automated dimming to adjust lighting levels based on real-time conditions. By automating lighting schedules, offices can also reduce maintenance costs, as smart systems can alert facility managers when bulbs need replacing or if a malfunction occurs.

Additionally, smart lighting's security features, such as simulated occupancy through automated schedules, ensure that the office space appears active even when unoccupied, adding an extra layer of security during off-hours.

Smart Home World Interacts with Brand Heads and compiles valuable insights into the latest products and technologies.

Bhavesh Doshi, Founder & CEO, Entelechy Systems & DESIIOT

Can you share an overview of your company's offerings? What makes Entelechy Systems and DESIIOT stand out in the market?

Entelechy Systems, in collaboration with our brand DESIIOT, provides a comprehensive suite of smart building automation solutions designed to enhance efficiency, sustainability, and occupant comfort. Our products are not just about automation; they're about creating



intelligent, responsive environments that adapt to the needs of the building and its occupants in real time.

Can you elaborate on some of the key products under the DESIIOT brand?

Here are some of our standout products:

Bluetooth Smartdrivers: These are advanced lighting control solutions that allow for individual light control, dimming, and colour tuning. They integrate seamlessly with our IoT ecosystem for energy-efficient lighting management.

People Counting Sensors: Our sensors provide accurate occupancy data, which is crucial for optimizing HVAC, lighting, and space management. They help in reducing energy waste by adjusting systems based on real-time occupancy.

Daylight Harvesting Sensors: These sensors measure natural light levels and adjust artificial lighting accordingly, ensuring optimal light

conditions while saving energy.

Human Centric Lighting: One of our unique solutions aligns lighting to the sun cycle in real-time, promoting circadian rhythms for better health and productivity. This system dynamically adjusts light color temperature and intensity throughout the day.

Pathfinding and Asset Tracking: Using our IoT infrastructure, we enable real-time tracking of assets and provide pathfinding solutions for efficient navigation within large facilities.

Access Controls: Our secure access control systems integrate with our IoT platform, providing seamless entry and exit management, and enhancing security while reducing operational costs.

Parking Management: We offer smart parking solutions that optimize space utilization, reduce congestion, and provide real-time parking availability information.

People Tracking and Space Management: Our systems track people flow to optimize space usage, ensuring efficient use of resources and enhancing safety protocols.

Energy Management: Our solutions include energy metering for electricity, water, HVAC, and lighting, allowing for precise energy consumption tracking and optimization.



Air Quality and Climate Sensors: These sensors monitor indoor air quality and climate conditions, ensuring a healthy environment while optimizing HVAC operations.

Smart HVAC Controls: Our controls integrate with our sensors to provide precise temperature and air quality management, reducing energy consumption significantly.

Water Leakage Sensors: These sensors detect leaks early, preventing damage and reducing water waste.

Waste Management: We provide smart waste management systems that optimize collection schedules and reduce waste through better sorting and recycling practices.

Smart Washrooms: Our washroom solutions monitor usage, manage supplies, and ensure cleanliness through automated systems.

Vending Machine Monitoring: Sensors track inventory, usage patterns, and energy consumption, ensuring optimal vending machine operations.



Health Monitoring Sensors: These are particularly useful in hospitals, old age homes, and high-risk areas like mines and refineries. They monitor vital signs, detect falls, and integrate with our IoT platform for real-time health alerts.

Smart Health Bands: These wearable devices provide continuous health monitoring, especially beneficial in healthcare settings for patient care and staff safety.

How do your solutions contribute to sustainability and cost savings?

Our systems are designed with sustainability at their core like the **Carbon Footprint Reduction:** By optimizing energy use, we significantly reduce greenhouse gas emissions. Our solutions help clients achieve Net Zero goals.

Life Cycle Cost Reduction: Our products are built to last, reducing the need for frequent replacements, and our predictive maintenance capabilities minimize downtime and repair costs.

Circular Economy: We promote the reuse and recycling of materials, reducing waste and supporting a circular economy.

Energy and Cost Savings: Through intelligent automation, we can reduce energy consumption by up to 60%, directly translating into substantial cost savings for our clients.



Resource Efficiency: By providing wireless solutions and implementing less resources and components, we are able to reduce the overall resources, both materials and labour. This amounts not only to significant savings in cost but also in carbon emission equivalent.

How do you ensure the security and robustness of your systems?

Security is paramount. Our solutions are built with: **Secure Communication:** Using protocols like BACnet and KNX, we ensure secure, encrypted communication between devices. **Robust Infrastructure:** Our systems are designed to be fault-tolerant with redundancy built-in, ensuring continuous operation.

Data Protection: We comply with international data protection standards, ensuring data privacy and security.

Can you discuss the visualization and control aspects of your systems?

Our systems offer **Cloud and On-Premise Monitoring:** Users can access real-time data, control systems, and generate reports through our cloud interface or on-premise solutions.

Data Analytics: We provide comprehensive analytics for energy usage, occupancy patterns, and system performance, enabling data-driven decisions.

Remote Access: Facility managers can monitor and control building operations from anywhere, ensuring responsiveness and flexibility.

Kishan Jain, Director at Goldmedal Electricals

Can you give us an overview of your latest range of smart lighting and control products specifically designed for office spaces?

Offices today need a very fast turnaround time for installation. Also, they need to be flexible both in terms of changes in design layout and future requirements. We feel the wireless automation products from Goldmedal Electricals are ideal for such spaces due to the following reasons: Quick Installation, Low planning, Ready to adopt future changes and budget-friendly.

Goldmedal Electricals has a host of ready products in wireless automation systems. This includes battery-powered keypads, scene control switches, presence & motion sensors, central control station, HVAC controls, simple

interior designer to start the work with the least amount of planning. They can handle last-minute changes easily but they also adapt to complete design structure changes if the need arises later.

Being wireless, the programming and commissioning can also be done easily and quickly.

Does your smart lighting system integrate with existing Building Management Systems (BMS)? If yes, please describe how the integration is achieved.

The most important thing for a commercial project is the integration of HVAC & lighting/curtain, boardroom controls and access controls into the BMS system.

'With Casambi, it can be upgraded from a



dimnable or tuneable with human-centric lighting or daylight harvesting, etc. These solutions are available through Bluetooth Low Energy (BLE) or Zigbee products, Casambi-certified products, DALI, Nn-DALI or KNX products. Earlier DALI was used only in wired automation projects be it KNX or proprietary protocol. Now, combining it with Casambi, Goldmedal can provide complete wireless solutions with DALI.

These products give complete freedom to the

complete wireless solution to a hybrid solution as well, giving the clients the advantages of both worlds. This can be installed via BACnet or Modbus protocol convertors which can easily integrate the system into BMS.

What types of sensors (e.g., occupancy, proximity, daylight) are integrated into your smart lighting systems for automation and energy management purposes?

In Zigbee we have a host of products with smart

drivers for dimming & tuning, plus LED RGB/WW controllers, wired and wireless keypads, fan speed controls, AC controls for both split and VRV, etc.

Additionally, we also have wall-mounted screens that can integrate cameras and door phones, fingerprint access control, and voice control over ALEXA & Google Home.

Do your lighting systems incorporate energy-saving technologies such as daylight harvesting, occupancy sensors, or automated dimming? Kindly provide details.

Automation in any form is designed to incorporate energy-saving functions either at home or at office. In offices, we can ensure that fingerprint access is directly linked with their respective cabins. As soon as the fingerprint is read, we can identify the person, switch the lights and ACs in the cabin, switch On as well as set the temperature and open the rollers/

blinds. Similarly, when the person leaves the office the cabin lights can be switched off, rollers can be pulled down and AC switched Off.

Presence sensors can be directly used to Increase the set temperatures in cabins when the person is not around or window contacts can be used to switch the AC off when they are open. Presence Sensors used to control AC can also trigger occupancy for lighting and the same sensor can double up to be used for daylight harvesting or Human-centric lighting thus reducing the number of devices needed in a project.

What communication protocols (e.g., Zigbee, Wi-Fi, Bluetooth) are supported by your smart lighting products for seamless connectivity?

Be it Bluetooth Low Energy (BLE) or Zigbee or Wi-Fi we have a ready basket of products for all.

Sachin Motwani, Founder, OSUM Smart

Can you give us an overview of your latest range of smart lighting and control products specifically designed for office spaces?

OSUM Smart range of products is transforming lighting solutions in commercial spaces by integrating intelligent control systems that enhance human well-being, optimize daylight usage, and improve energy efficiency. With smart sensors, IoT connectivity, and automated controls, OSUM ensures a seamless balance between comfort, productivity, and sustainability in workplaces, retail environments, and other commercial settings. Human-centric lighting (HCL) focuses on creating lighting environments that support human biological and emotional needs. OSUM automation plays a critical role in implementing HCL by dynamically adjusting lighting parameters such as intensity and colour temperature throughout the day.

Circadian Rhythm Support: OSUM's smart lighting systems mimic natural daylight patterns, promoting alertness in the morning with bright, cool-toned light and relaxation in the evening with warmer hues. This improves employee productivity and well-being.



Personalized Lighting Control: Employees can customize their lighting preferences via mobile apps or touch panels, enhancing comfort and reducing eye strain.



it's an **OSUM**
feeling

OSUM Xensa
Intelligent Beauty, Built to Last

Automated Adjustments: OSUM's advanced sensors detect occupancy and activity levels to modify lighting conditions in real time, ensuring optimal illumination without manual intervention.

Daylight harvesting is another energy-saving strategy that uses natural light to reduce dependence on artificial lighting. OSUM automation ensures efficient daylight utilization through smart sensors and adaptive controls.

Light Sensors for Dynamic Adjustments: OSUM systems continuously measure ambient light levels and adjust artificial lighting accordingly. If sufficient daylight is present, the system dims or switches off lights in specific zones, reducing electricity usage.

Automated Window Treatments: OSUM integrates with motorized blinds or shades,

allowing automated adjustments based on sunlight intensity and occupancy, enhancing thermal comfort while minimizing glare.

Zonal Lighting Optimization: In large commercial spaces, OSUM's lighting control solutions divide areas into zones, ensuring each section receives appropriate lighting levels based on daylight availability.

How do your solutions contribute to sustainability and cost savings?

Energy efficiency is a key focus for commercial spaces aiming to reduce operational costs and environmental impact. OSUM automation enhances energy conservation through intelligent lighting management.

Occupancy-Based Lighting Control: Motion and presence sensors detect human activity, automatically turning off lights in unoccupied

areas such as meeting rooms, restrooms, or hallways.

Automated Scheduling: OSUM allows pre-programmed lighting schedules that align with business hours, ensuring lights are only used when needed, minimizing waste.

Integration with Building Management Systems (BMS): With the open API integration OSUM's automation solutions seamlessly integrate with BMS platforms, enabling centralized monitoring and data analytics to optimize energy usage further.

Remote Access and IoT Connectivity: Facility managers can monitor and control lighting systems remotely via cloud-based platforms, ensuring flexibility and proactive energy management.

What communication protocols (e.g., Zigbee, Wi-Fi, Bluetooth) are supported by your smart lighting products for seamless connectivity?

OSUM smart lighting products utilise the proprietary SL-BUS protocol, a hybrid communication system that integrates both wired and wireless technologies to ensure reliable and scalable connectivity. This approach allows for flexible installation

and robust performance across various environments.

Additionally, our all-in-one control panels are designed to manage various lighting systems, such as DALI (Digital Addressable Lighting Interface) lights and phase-cut lights as well and other devices like curtains and door locks. This integration facilitates comprehensive automation and control solutions for diverse applications.

By establishing standards like DALI, OSUM ensures seamless connectivity and interoperability in smart lighting systems.

This versatility enables seamless control and configuration.

Overall, OSUM Smart automation revolutionizes lighting in commercial spaces by enhancing human-centric lighting, maximizing daylight utilization, and improving energy efficiency. These intelligent solutions not only create comfortable and productive work environments but also contribute to sustainability and cost savings. By leveraging OSUM's advanced automation technology, businesses can achieve smarter, more adaptive, and eco-friendly lighting solutions tailored to modern commercial needs.

Girish Chawla, Head of Professional Business - Signify, Greater India.

Can you give us an overview of your latest range of smart lighting and control products specifically designed for office spaces?

Signify offers smart solutions for Intelligent Buildings both wired and wireless which can



be on-premise or cloud-based scalable systems to make your offices future-ready.

Interact by Signify: Interact is a wireless, smart lighting system with luminaire-integrated, connected sensing technology. Interact can help make workplaces comfortable, secure and productive while boosting energy savings to meet sustainability targets. This is achieved by using luminaires with integrated sensors and a suite of Mobile & Desktop Apps.

Philips Dynalite: When you choose Philips Dynalite, you are selecting the world's finest lighting control system. Tried and tested in more than 30,000 projects, Philips Dynalite has implemented some of the largest and most extensive control networks around the globe that can be used in any application, on any scale.

Do your lighting systems incorporate energy-saving technologies such as daylight harvesting, occupancy sensors, or automated dimming? Kindly provide details.

The Interact Office system incorporates several energy-saving technologies to optimize energy consumption and reduce operational costs:

Daylight Harvesting: Utilizes sensors to adjust artificial lighting based on the availability of natural light, ensuring optimal illumination while conserving energy. For example, the Philips Interact Ready LED Luminaires can automatically dim when sufficient daylight is detected.

Occupancy Sensors: Detects the presence of



individuals in a space and adjusts lighting, accordingly, reducing energy usage in unoccupied areas. The Interact Pro Gateway integrates occupancy sensors to manage lighting based on real-time occupancy data.

Automated Dimming: Adaptive dimming technology adjusts light levels based on occupancy patterns and daylight availability, achieving up to 75% energy savings. The Interact Pro App allows users to set automated dimming schedules for different office zones.

In addition to the above we offer Value Beyond Illumination sensors which help real estate managers optimize space usage. This is made possible by advanced people estimate sensors. Does your smart lighting system integrate

with existing Building Management Systems (BMS)? If yes, please describe how the integration is achieved.

Both Dynalite & Interact solution by signify seamlessly integrates with existing Building Management Systems (BMS) through network gateways using BACnet protocols and APIs. This integration allows for centralized monitoring and control of lighting, HVAC, window shading, and other building systems, enhancing overall building efficiency and performance. For instance, the Interact Pro Gateway can connect with BMS to synchronize lighting controls with HVAC systems for optimized energy management.

What communication protocols (e.g., Zigbee, Wi-Fi, Bluetooth) are supported by your smart



lighting products for seamless connectivity?

Signify's smart lighting products support multiple communication protocols to ensure seamless connectivity and integration:

Zigbee: Facilitates wireless communication between lighting devices and the central management system. The Philips Interact Ready LED Luminaires use Zigbee for reliable and secure communication.

Bluetooth: Allows for easy setup and commissioning of lighting devices using mobile applications. The Interact Pro App uses Bluetooth for quick and hassle-free setup.

What types of sensors (e.g., occupancy,

proximity, daylight) are integrated into your smart lighting systems for automation and energy management purposes?

The Interact Office system is equipped with a variety of sensors to enhance automation and energy management:

Occupancy Sensors: Monitor the presence of individuals and adjust lighting accordingly. The Interact Pro Gateway integrates occupancy sensors for efficient lighting control.

Daylight Sensors: Measure natural light levels and adjust artificial lighting to maintain optimal illumination. The Interact Pro Gateway uses daylight sensors to optimize lighting based on ambient light conditions.

People estimate sensors – Detect the number of people & help better plan real estate

Value Beyond illumination sensors: Monitor temperature, air quality – Temperature, Relative Humidity, PM2.5, PM10, CO2 Levels, TVOC (Total Volatile Organic Compounds), noise levels, and humidity to optimize Building conditions.

The Interact Pro Gateway can integrate environmental sensors for comprehensive building management.

Signify's Interact Office system is designed to create smart, connected, and energy-efficient office environments that enhance employee well-being and productivity while achieving sustainability goals.



With an overview from the experts on the implementation and the advantages of smart lighting for commercial offices Smart lighting is not just an upgrade; it's a long-term investment in a more efficient and productive workspace.

Revolutionizing Luxury Living

Twin Villa, crafted by SIAN Architects, blends luxurious living with advanced smart technology. From top-tier security systems to energy-efficient technologies, every aspect is carefully integrated for seamless control and maximum convenience.



Nestled in the prominent locality of Meerut's Saket, Twin Villa offers a unique vision of shared luxury living. Designed by Surbhi Singhal and Deepanshu Arneja Co-founder and Principal Architect, SIAN Architects this villa harmonise personal identities while maintaining connection, the villa stands as a perfect example of how architecture can blend individual needs with a unified aesthetic. Spanning across an 800-square-yard plot, the villa's design masterfully balances the challenge of creating two distinct yet interconnected homes. It achieves an ideal equilibrium between privacy and openness, serenity and vibrancy, forming a cohesive space that feels both intimate and expansive.

The villa's architectural composition integrates solid forms with glass elements, while strategically placed screens enhance privacy and light flow. The lush "jungle plantation" landscape weaves greenery throughout, softening the transitions between built and unbuilt spaces, creating an environment that blends harmoniously with nature.

Inside, the villa is divided into two distinct halves. One side overlooks a serene green patch, housing intimate spaces designed for reflection and peace. The other, facing the street, fosters social interaction with an open-plan layout that encourages connectivity. A double-height lobby, abundant with natural light, serves as the central axis, linking the villa's interior spaces with its outdoor gardens. Private areas, including sleeping quarters and family lounges, open up to expansive garden views on the first floor. On the second floor, leisure spaces, such as a gym, jacuzzi, and panoramic vistas, provide a perfect setting for relaxation. Additionally, metal-framed balconies offer quiet retreats for gardening or personal reflection.

Integration of Smart Home Automation

The homeowners, all medical practitioners with demanding schedules, required a smart home that would enable them to manage and monitor their residence remotely. With time constraints in mind, the brief emphasised the need for technology that could provide seamless control over climate, lighting,



security, and home systems, all integrated with mobile devices for easy, remote management. To meet these needs, the design team collaborated with Schneider Electric as an end-to-end partner, incorporating four key technological solutions: security, lighting/audio presets, climate control (HVAC), and remote management. Schneider Electric's expertise allowed for the development of automated electrical loops to cater to these requirements. Key partners included Dorset, Mitsubishi Heavy Duty, Philips, Panasonic, and Sonos.

The security system was seamlessly integrated using advanced devices from Dorset and Hikvision, ensuring comprehensive surveillance and real-time monitoring across the entire property. These systems provide robust coverage, allowing the homeowners to monitor various areas both inside and outside the villa, with high-definition cameras and advanced analytics that ensure safety and peace of mind at all times.



For climate control, Mitsubishi Heavy Duty systems were chosen for their superior performance and reliability, ensuring optimal comfort throughout the villa. The HVAC systems are strategically integrated to maintain consistent temperatures, regardless of external weather conditions, providing an energy-efficient solution that adjusts the climate based on the homeowner's preferences. This allows for a comfortable living environment throughout all seasons.

In terms of lighting and audio, Philips handled the customisable lighting systems, allowing for precise control over the villa's ambiance. These systems are designed to create various lighting moods, from bright, energizing environments to soft, intimate settings, based on the needs of the moment. Meanwhile, Sonos and Panasonic automated the audio-visual setups, creating a seamless integration between lighting and sound. The audio systems provide high-quality sound throughout the villa, whether for quiet reflection, background music, or full entertainment experiences, ensuring a dynamic and immersive environment.



To tie all of these systems together, Schneider Electric's master control system was employed. This centralised system allows for effortless integration of all home functions, from security and climate control to lighting and audio. With this setup, homeowners can remotely monitor and adjust every aspect of their home through a single, easy-to-use interface, giving them the convenience of controlling their environment no matter where they are. This system not only streamlines the management of various technologies but also enhances the overall user experience, creating a smart home that is both intuitive and efficient.

Customization to Match Homeowner Preferences

"The design and automation solutions were customized to align perfectly with the homeowners' preferences and lifestyle. Given the villa's expansive design and reliance on landscape-heavy interiors, automation was focused on maximizing comfort and minimizing maintenance. Intuitive systems were integrated seamlessly, ensuring that the





technology did not disrupt daily living but rather enhanced it.” explained Co-founder and Principal Architect, SIAN Architects.

The clients desired active control over the curtains, particularly for managing sunlight in the villa’s large double-height windows. Automation allowed them to adjust curtain settings effortlessly, aligning the interiors with the surrounding landscape. Additionally, public spaces were equipped with customisable lighting and audio setups that could shift between various moods, from quiet introspection to lively party atmospheres. With a simple touch of a button or a tap on their mobile devices, homeowners could easily transform the ambiance of their spaces.

To ensure the safety and security of the villa, a comprehensive security system was implemented, incorporating Hikvision surveillance cameras, Schneider Electric’s access control system, and advanced alarm features. This integration provided several key benefits for the homeowners. First, it allowed for independent control of security

and lighting systems for each of the two units, which was particularly useful as the homes were divided between two families. If one unit was unoccupied, the other family could remotely manage the security settings, ensuring constant protection for both homes. Additionally, the system enabled shared systems management, allowing common resources such as landscape lighting, audio, and water irrigation systems to be efficiently controlled collectively. This streamlined approach made it easier for both families to manage shared utilities, improving overall efficiency.

The integration also provided remote oversight, giving the homeowners the ability to monitor and adjust their security settings from anywhere, ensuring that the villa’s safety was always under their control, even when they were away. Finally, the use of smart technology contributed to energy efficiency, particularly in managing HVAC and lighting systems. By automating and optimising these functions, the system reduced overall energy consumption and helped lower costs,



making the home not only safer but also more sustainable.

Integration of Various Technologies

The integration of automation within the villa plays a vital role in enhancing both its functionality and sustainability. By connecting audio, lighting, curtains, and furniture-specific lighting to various themes, the home's interior spaces become dynamic and adaptable.

Smart automation systems also contribute significantly to sustainability. The ability to manage lighting, audio, and other systems remotely reduces reliance on municipal energy supplies, while solar grids combined with smart technology enable a more energy-efficient lifestyle. This contributes toward circularity in the home, offering economic benefits through reduced energy consumption.

User-Friendly Interfaces for Homeowners

A key aspect of the automation system was ensuring that it was intuitive and easy for

the homeowners to use. Automation was approached not as a luxury but as a practical tool for solving everyday problems related to energy efficiency, ease of maintenance, security, and ambiance control.

The Schneider Electric created user-friendly panels that control up to 16 functions, featuring clear digital icons and straightforward navigation. These panels were strategically placed around the villa at a height of 4 feet for easy accessibility. The design was functional yet subtly integrated into the home's aesthetic, ensuring that even those less familiar with technology could easily adopt and use the system. The user-friendly interfaces were designed to be accessible to all age groups, making them ideal for the entire family.

Smart Lighting Solutions

Smart lighting was installed throughout the villa, with a focus on creating adaptable, mood-responsive environments. The lighting system, designed with Schneider Electric's KNX and Wiser series, was integrated with other home



automation systems, allowing users to easily control lighting, curtains, HVAC, and audio systems from a single, intuitive platform.

The villa's lighting setup was customised to meet specific needs across various areas: entertainment zones, bedrooms, and public spaces. For example, the bar area was programmed with custom day and night-time themes, with lighting and audio-visual elements synchronized to create an immersive experience. This level of customization enabled the homeowners to effortlessly adjust the lighting to suit different moods, from cozy and intimate to vibrant and energetic.

Scalability and Adaptability for Future Needs

One of the most crucial considerations in the design was ensuring that the integrated systems would remain scalable and adaptable to future technological advancements and the evolving needs of the homeowners. Schneider Electric's home automation solutions were chosen for their flexibility, offering modular systems that could be expanded as needed. The KNX and Wiser series can be easily integrated with existing infrastructure, allowing for gradual upgrades without the need for major rewiring.

Additionally, Schneider Electric's systems can interface with third-party devices, ensuring that the villa remains compatible with emerging technologies. The cloud-based management platform, Wiser for Smart Homes, further enhances the system's scalability by enabling remote control and monitoring. These features make the system not only suitable for individual homes but also adaptable for larger-scale installations, such as multi-building properties or residential communities.

Furthermore, the villa's architectural integration was meticulously planned and documented, ensuring that any future upgrades could be carried out seamlessly. Clear service tracking and detailed documentation will simplify maintenance and ensure that the systems continue to operate efficiently for years to come.

Twin Villa exemplifies how modern architecture can seamlessly integrate smart technologies to enhance both functionality and sustainability. By focusing on intuitive systems, energy efficiency, and adaptability, the villa provides a high standard of living that meets the demands of its residents while embracing the future of home automation.



PROJECT DETAILS:

Architect/Interior Designer:
SIAN Architects

Automation System Used:
Schneider Electric India

Lighting: Schneider Electric India ,
Phillips

Security Cameras: Hikvision

Digital Locks: Panasonic

Amplifiers: Sonos

Speakers: Sonos

Biometrics: Panasonic

Hardware: Dorset, Hafele, Hettich

Networking Devices used: Panasonic



Fusion of Modern Design and Smart Technology

Designed by Ar. Aniruddha Nafrey of Arriva Designs, in collaboration with system integrator Mukul Todi, this apartment offers a refined living experience, enhanced by cutting-edge smart home technology.

Located in the heart of Mumbai's elite skyline, The World Towers stands as a symbol of prestige, and this exquisite three-bedroom apartment within it exemplifies a perfect fusion of modern luxury and advanced technology. With its expansive layout and seamless incorporation of smart home automation, every aspect of this residence is crafted to provide comfort, convenience, and elegance. Designed by Ar. Aniruddha Nafrey, Founder and Principal Architect, Arriva Designs, in collaboration with System Integrator Mukul Todi, this apartment is a masterpiece of contemporary living.

This expansive 2,000 sq. ft. apartment offers

ample space for a family with distinct needs, featuring three bedrooms: one for the parents and two for their sons. The design prioritizes an open, airy ambiance with a flowing layout that seamlessly blends the living and dining areas. The goal was to craft a warm and welcoming environment, balancing modern aesthetics with a sense of traditional comfort. The spacious living room, adorned with plush furniture and a vibrant colour palette, becomes the heart of the home, while the dining area serves as an inviting space for family gatherings.

The focus was not only on aesthetics but also on functionality. Every room is carefully

designed to reflect the family's values and lifestyle, ensuring that while the apartment embraces new-age trends, it remains deeply rooted in warmth and familiarity.

Embracing Home Automation for Modern Convenience

As the family enjoys frequent travel and a busy lifestyle, the integration of smart home technology was a critical aspect of the design. The brief provided by the homeowners emphasized the need for convenience, security, and ease of control — features that would seamlessly blend with the home's modern aesthetic. The objective was to enhance daily living with cutting-edge technology, providing remote access and ensuring the home is always safe, no matter where the family might be. Key features requested included:

Smart Locks and Security Systems: Smart locks were installed at all entry points, including the main entrance and bedrooms. These locks provide multiple access options — fingerprint recognition, keypad codes, or traditional keys. Furthermore, the family can remotely manage access permissions through their

smartphones, granting or revoking access as needed. An integrated CCTV system offers a live feed of the entrance area, adding an extra layer of security.

Automated Lighting & Climate Control: The living room was designed with full automation for lighting and air conditioning, allowing preset modes for different times of the day. These include specific settings for mornings, evenings, or when entertaining guests. The system is highly customizable, allowing the family to adjust the lighting ambiance with just a touch. Similarly, motorized curtains can be controlled via app or scheduled to open and close automatically based on pre-set routines.

Home Theatre System: An advanced home theatre system was a must-have for the family's entertainment needs. The design features a high-end Denon amplifier paired with Bowers & Wilkins speakers for superior sound quality. The BenQ ultra-short throw projector, mounted on the ceiling, ensures that the space is free from clutter while delivering an immersive viewing experience. The automated projector screen seamlessly descends at the touch of a button, adding to the theatre-like atmosphere.





Seamless Integration of Smart Technology

The smart home systems are integrated using Legrand IOT devices, which work on Wi-Fi and Internet connectivity. With Legrand's Home Control App, the family has the ability to control various aspects of their home, including lights, curtains, fans, air conditioning, and even home appliances like geysers. This centralized control provides a seamless experience, allowing them to monitor and adjust settings from their mobile phones, tablets, or through wall-mounted panels.

Furthermore, all smart home functions are integrated into voice-activated assistants like Alexa and Apple HomeKit, offering effortless voice control for lighting, temperature, and even security. The Control4 system ties it all together, allowing advanced control of the air conditioning, security cameras, and entertainment systems, creating a truly integrated smart home experience.

"A critical part of the design process was ensuring that the smart systems, including the switches and panels, blended seamlessly with the apartment's interior design. The challenge was to integrate the automation systems





without compromising on the aesthetic appeal of the space. Special attention was paid to the placement of switches to ensure they were both functional and discreet. The design of the smart automation switches was carefully selected to match the overall décor, ensuring a harmonious balance between technology and design.” Explains Ar. Aniruddha Nafrey, Founder and Principal Architect, Arriva Designs

For the family, security was a top priority. The Yale Smart Lock at the main door provides multiple access options, including fingerprint scanning, NFC, and a doorbell integrated with the lock system. The device operates on a battery, and in case of an emergency, the lock can be manually accessed through a hidden keyhole. This system ensures the family can enter their home easily and securely, while also providing flexible access for guests or service personnel.

In addition, the CCTV security system at the entrance is designed to provide real-time monitoring, enabling the family to track visitors and ensure safety. All security features, including the smart locks and cameras, are controlled through the Legrand IOT app,



ensuring that the family can monitor their home wherever they are.

Future-Proof Technology Integration

With the fast pace of technological advancements, ensuring that the home's smart systems are adaptable and scalable was crucial. The automation systems in the apartment are built to be future-ready, with wireless connectivity and cloud-based controls that enable easy upgrades as new technologies emerge. Whether it's adding new devices or updating existing ones, the infrastructure is designed to keep up with evolving needs.

The smart home setup is easily adaptable to future advancements in automation and technology, offering the homeowners the flexibility to make adjustments or expansions as desired. Whether it's adding new security features, improving the home theatre system, or integrating additional smart devices, this home is designed to evolve with its residents. This apartment is a perfect example of how smart technology can be seamlessly integrated into modern living spaces. By blending sophisticated design with the latest

in smart technology, this home not only meets the family's current needs but also offers the flexibility to adapt to future technological advancements, ensuring that it remains a modern sanctuary for years to come.





PROJECT DETAILS:

Architect/Interior Designer: Arriva Designs

Systems Integrator: Mukul Todi

Location: The World Towers (Prestigious High-Rise)

Automation System Used: Legrand

Lighting: Ledlum

Digital Locks: Yale

Home Theatre: Bose

Projectors: BenQ

Amplifiers: Martanz

Speakers: Bose and Bowers & Wilkins

Biometrics: Yale

Hardware Used: Somfy curtain control

Networking Devices Used: Wi-Fi control

“The 8K Association Ensures Quality and Compatibility By Collaborating With Manufacturers On Advanced Display Technologies And Supporting Content Creators.”



Juan Reyes

8K Association, Executive Director

Juan Reyes is the Executive Director of the 8K Association, a leading industry organization committed to advancing the development and adoption of 8K technology across the media and entertainment ecosystem. Under his leadership, the 8K Association educates consumers, content creators, and technology stakeholders about the transformative benefits of the 8K resolution. Through promoting standards, fostering collaboration, and supporting innovation, Juan plays a crucial role in helping drive the widespread adoption of 8K technology, ensuring a future of unparalleled viewing experiences characterized by clarity, detail, and immersive realism.

Can you provide an overview of the 8K Association and its core mission in promoting 8K technology?

The 8K Association is a leading industry organization dedicated to advancing the development and adoption of 8K technology throughout the media and entertainment ecosystem. Our mission is to educate consumers, content creators, and technology stakeholders about the benefits of 8K. As a part of this, the Association promotes standards, fosters collaboration, and supports innovations that further our mission. By bringing together key players across the content production,

distribution, and display sectors, the 8K Association helps drive advancements that enable new creative opportunities and deliver exceptional viewing experiences through greater clarity, detail, super-realism and immersion that you can only achieve with 8K technology.

From your perspective, what are the standout benefits of 8K resolution? How does it enhance user experience, particularly in terms of immersion and realism?

There are two key advantages to 8K resolution for the TV viewer. First, 8K delivers very high-



resolution and high-quality images. This is especially beneficial for the larger TV sets that are becoming more popular. Second, with lower resolutions, there is a choice to be made between the realism of high resolution and the immersive sensation of a wide field of view. With 8K, you can be close enough for a truly immersive experience and also get a great sense of realism from the image. The 8K Association commissioned a white paper that explained this further for those who are looking for more detail. Education seems to be a key focus when it comes to emerging technologies.

How does the 8K Association approach educating both the industry and consumers about the potential of 8K resolution?

The 8K Association has two websites with information. One focuses on consumers (discover8k.com) and the other focuses on the industry and professionals (8kassociation.com). It uses these sites to inform visitors of industry developments and technology progress. The 8K Association also emails monthly newsletters and publicises information on the websites and on social media platforms. The 8K Association supports education through the publication of materials such as the white paper mentioned earlier. The 8K Association also educates the industry and consumers

by organising panels and discussions at trade shows as well as attending them to collect news and have discussions with interested parties.

With rapid technological advancements, how important is it for the industry to stay “future-ready” when adopting 8K? What steps are being taken to ensure long-term relevance?

The 8K Association works with many partners in the supply chain and in the technology standards ecosystem to ensure that products perform well and can interoperate successfully. In a complex technological landscape, this coordination is essential. An example of this is the recent release of HDMI 2.2 which increases 8K from 60Hz to 240Hz. The 8K Association also works with its members and industry partners to develop 8K certification programs that set performance and quality standards for 8K products. The 8K Association monitors compliance with these programs.

The role of the 8K Association in supporting its members is essential. How does the Association help its members stay ahead of the curve in terms of innovation, development, and market visibility?

The 8K Association helps its members stay



ahead of the curve by providing them with a platform for collaboration, knowledge sharing, and strategic insights into the evolving 8K ecosystem. The 8K Association supports innovation by promoting their member developed certification programs and fostering partnerships that drive advancements in 8K technology. Members gain access to educational materials, research, technical resources, and market intelligence that help provide them with product development and business strategies. Additionally, the 8K Association amplifies its members' market visibility through promotional opportunities, participation in industry events and developing informative and engaging speaker sessions with key individuals and companies involved in the 8K ecosystem.

Expanding the 8K ecosystem involves collaboration across various sectors. How does the 8K Association work with manufacturers, content creators, and other industry stakeholders to build a robust 8K ecosystem?

The 8K Association is helping to build and foster a robust 8K ecosystem by serving as a collaborative bridge between manufacturers, content creators, technology companies and industry stakeholders. By establishing and promoting the member developed compliance

programs, the 8K Association ensures quality and compatibility across the delivery pipeline. It collaborates with manufacturers to develop cutting-edge display technologies and with content creators to support the production of native 8K content. Through educational initiatives, workshops, and knowledge-sharing forums, the Association encourages innovation and provides guidance on leveraging 8K technology. Additionally, by advocating for industry adoption and highlighting use cases, the 8K Association strengthens the business case for investment, ultimately driving widespread adoption and advancements throughout the media and entertainment landscape.

While 8K is still emerging, what are some of the biggest challenges in achieving widespread adoption? How is the 8K Association working to address these barriers?

As we saw in the transition from Standard Definition (SD) to High Definition (HD) and from HD to 4K, there is always a 'chicken and egg' challenge. Content creators want a large install base and the manufacturers of that base want a lot of content in the new format. Fortunately, in recent years, as more native 8K as being developed, there has been a dramatic improvement in upscaling technologies. Using the latest AI advancements, 8K TVs have

the ability to make good 4K content to look even better. Additionally, the 8K Association has worked with pioneers such as Intel, NHK and others to support them in demonstrating the value of 8K content.

How critical is cross-industry collaboration (TV, film, gaming, etc.) to the successful growth of 8K technology? Are there any noteworthy partnerships in this space that you can share?



Cross-industry collaboration is essential to the successful growth and adoption of the 8K ecosystem. It helps ensure a cohesive and comprehensive approach to technological advancements and content creation. Each sector, whether TV, film, gaming, or even live streaming, contributes unique expertise and demands that push the boundaries of what 8K can achieve. By working together, these industries can develop standardized workflows, create compelling native 8K content, and optimize distribution technologies for seamless consumer experiences. Gaming's demand for real-time rendering, film and TV's focus on immersive cinematography, and broadcast's need for live event production all fuel technological innovation and consumer adoption. This cross-industry synergy ultimately drives innovation which will help establish 8K as a transformative media standard across entertainment platforms. As for noteworthy partnerships, the 8K Association is continuously seeking collaborative partnerships to promote the education and advancement of the 8K ecosystem. By fostering relationships with industry leaders across content creation, technology development, and media distribution, the 8K Association

aims to drive innovation and build awareness of the benefits of 8K technology.

India is an important and rapidly growing market for technology. How does the 8K Association plan to address the unique opportunities and challenges in the Indian market? Are there any specific initiatives in place to promote 8K adoption in this region?

The 8K Association's mission is inherently global, and we recognize India as a vital and rapidly growing market for technology and media innovation. We are committed to supporting the Indian market and other markets by fostering collaboration with local industry stakeholders, promoting educational initiatives on 8K technology, and encouraging content creation tailored to regional preferences.

Finally, what would you like to tell consumers and tech enthusiasts about the future of 8K and the 8K Association's role in shaping the future?

8K is not just about the future, it is here today. There is already a wide range of cameras and smartphones for capture, new technologies and standards such as the VVC compression codec, HDMI 2.2, DisplayPort 2.0, and TVs that are often labelled as the 'best in class'. The future of 8K is filled with endless possibilities, from stunningly immersive entertainment experiences to advancements in gaming, virtual reality, and beyond. As display technology continues to evolve, 8K will redefine how we engage with content by delivering unprecedented clarity, detail, immersiveness and realism. The 8K Association is at the forefront of this evolution, driving innovation, establishing industry standards, and fostering collaboration across the entire media ecosystem. By supporting content creators, technology developers, and manufacturers, the 8K Association is shaping a future where 8K technology becomes transformative, enriching the consumer viewing experience.

“As Technology Advances, Home LED Displays Will Shift from a Niche Luxury to an Accessible, Premium Solution.”



Sanket Rambhia

MD & Founder, Xtreme Media

A tech visionary and entrepreneur, Sanket Rambhia, MD & Founder, Xtreme Media, is passionate about digital display technology. With sharp strategic acumen, he has led Xtreme Media to become India's largest active LED display brand over the past 14 years. Having held diverse roles before becoming CEO, he has driven groundbreaking solutions for top brands. Motivated by his unwavering ambition and commitment to innovation, he envisions global leadership in the LED display solutions industry.

What made Xtreme Media enter the Pro AV home segment of India?

As India's lifestyle has evolved, there is a growing demand for immersive home entertainment solutions. Xtreme Media identified a gap in the Pro AV home market for premium, highly customizable, and technology-driven LED displays. With a legacy of delivering LED display solutions across sectors, the foray into the home segment was a natural progression. The launch of the Spectra Series reflects the brand's commitment to redefining home entertainment experiences.

How does the brand plan to keep up with the rising Pro AV home entertainment demands? Xtreme Media aims to stay ahead by combining advanced technology with consumer-centric

design. The Spectra Series is built with features like HDR10 picture quality, multi-layer calibration, low power consumption, customisable sizes and bezels. The brand will continuously upgrade its product line by integrating innovations such as higher refresh rates and seamless connectivity to meet and exceed customer expectations.

According to Xtreme Media, what are the key factors affecting the overall home segment in the AV industry? How is Xtreme Media strategizing to focus on these key factors?

Key factors driving the demand for advanced home entertainment solutions include the growing need for immersive audio-visual experiences and space-saving yet impactful designs. Consumers are increasingly seeking



solutions that not only deliver high-quality performance but also integrate seamlessly into their living spaces. Reliability and long-term service are essential considerations, ensuring that these investments provide lasting value. Additionally, customizability has become crucial, as homeowners desire products that can complement and enhance their modern home aesthetics.

Xtreme Media's Spectra Series is designed to address these factors by offering sleek, anti-reflection, true colour technology LED displays along with customisable bezel options that add to the overall home aesthetics. The company also ensures post-sales support and extended warranties to provide customers with peace of mind.

Could you share more about the target market of Xtreme Media in terms of its newly introduced home segment?

Spectra is designed for individuals seeking premium solutions to elevate their home entertainment experience, blending audio visual technology with elegance for a truly

immersive and luxurious viewing environment. These individuals reside in tier 1 cities where there is more likeliness to buy home LED displays. With time, we also aim at expanding to tier 2 and tier 3 cities.

The Spectra Series targets:

- . High-Net-Worth Individuals (HNIs).
- . Tech-savvy families looking for premium entertainment solutions.
- . Professionals building home theatres and gaming rooms.
- . AV partners looking to integrate sound systems with our home LED display.

How is Xtreme Media planning to push the brand in the home segment market of India?

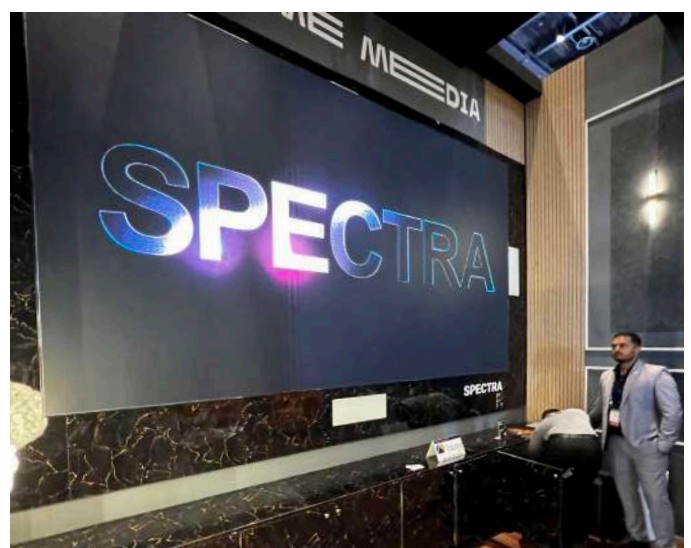
We aim to demonstrate Spectra LED display at events and exhibitions. Moreover, we are also planning to leverage digital platforms, influencer collaborations and experiential demos to highlight the product features. Incorporating product demos at our experience centres spread across India.



What makes the brand Spectra Series stand out from its competitors?

The Spectra Series stands out from its competitors with its exceptional features that elevate the home entertainment experience. It boasts 4K LED with HDR10 picture quality, ensuring stunning visuals, and offers color uniformity of up to 97% for consistent, vibrant images. With a high contrast ratio and impressive viewing angles, the Spectra Series delivers a superior viewing experience from any position. The ultra-fine pixel pitch across all ranges provides unmatched clarity, while customizable sizes (108", 135", and 163") and bezel finishes (metallic, wooden, gold, rose gold, and yellow gold) allow for a tailored aesthetic to suit any home.

True colour technology with trillions of colours and anti-reflection features further enhances its visual performance. Built for durability, the Spectra Series is dust and water-resistant, ensuring long-lasting use. Additionally, its high brightness and low power consumption, thanks to common cathode technology, offer both performance and energy efficiency.



How does the brand plan to expand its vision of the home entertainment segment soon?

The demand for active LED displays is steadily rising, with affordability driving growth. In the home segment, currently favored by premium customers, we foresee broader adoption. As technology evolves, home LED displays will transition from a niche luxury to an accessible yet premium solution for all, reshaping modern living spaces.

“We Believe Technology Should Enhance Convenience without the Need for Complex Setups.”

Ar. Neilesh Kenkare and Ar. Bhavya Kenkare
Arch-Aid



Neilesh Kenkare and Bhavya Kenkare, the dynamic Founders of Arch-Aid, are renowned for their expertise in architecture and design, with a unique focus on integrating cutting-edge technology into their projects. In this interview, they discuss the exciting possibilities of home automation, smart lighting, and other technological advancements that are reshaping modern living spaces.

With a deep understanding of both aesthetics and functionality, they explore how smart systems can enhance the user experience, from intuitive lighting that adapts to mood and time of day to automated systems that improve energy efficiency and security. Neilesh and Bhavya emphasise how technology not only adds convenience but also enables more sustainable and connected living environments, making everyday life smarter, more efficient and more enjoyable.

Tell us about your experience of using Automation, Smart Lighting, Smart Technology, and Home Theatres in your project.

We've been at the forefront of integrating automation since it was first introduced in India, applying it across a wide range of projects and collaborating with numerous leading brands. Smart lighting has always been a key component of our work, initially implemented in nightclubs and now a standard feature in nearly every project we execute.

We believe technology should enhance convenience, providing seamless control without the need for complex setups or deep technical expertise. Our focus is on making automation accessible and efficient, empowering users to enjoy the full potential

of their environment with ease.

What unique advantages do you believe smart lighting brings to interior spaces, both in terms of functionally and aesthetically?

Smart lighting goes beyond just fulfilling functional or aesthetic needs; it plays a crucial role in shaping the environment and influencing our state of mind. The right lighting can have a profound impact on our mood—whether it's creating an atmosphere conducive to productivity during work hours or offering a calming ambiance for relaxation in the evening.

Moreover, the variety of colour options available with smart lighting doesn't just enhance the aesthetic appeal of a space but also creates a deeper, more engaging experience for the



user. The right lighting not only makes a place look better but has a significant impact on the well-being and mindset of the people in it, transforming spaces into environments that truly work for every moment of the day.

Could you share a standout project where you successfully incorporated smart lighting and automation? What challenges did you face, and how were they overcome?

As we've mentioned, smart lighting has been a key element in many of our projects, whether residential, commercial, in gymnasiums, or even nightclubs. However, if we had to highlight one standout project, it would be Nitro Fitness. We took a bold approach to experiment with lighting there, and initially, it received a lot of negative feedback, as gym-goers weren't accustomed to such an innovative lighting setup.

But over time, people began to embrace the change, and the gym's unique ambiance became more appreciated. In fact, Nitro Fitness was eventually recognized as one of the

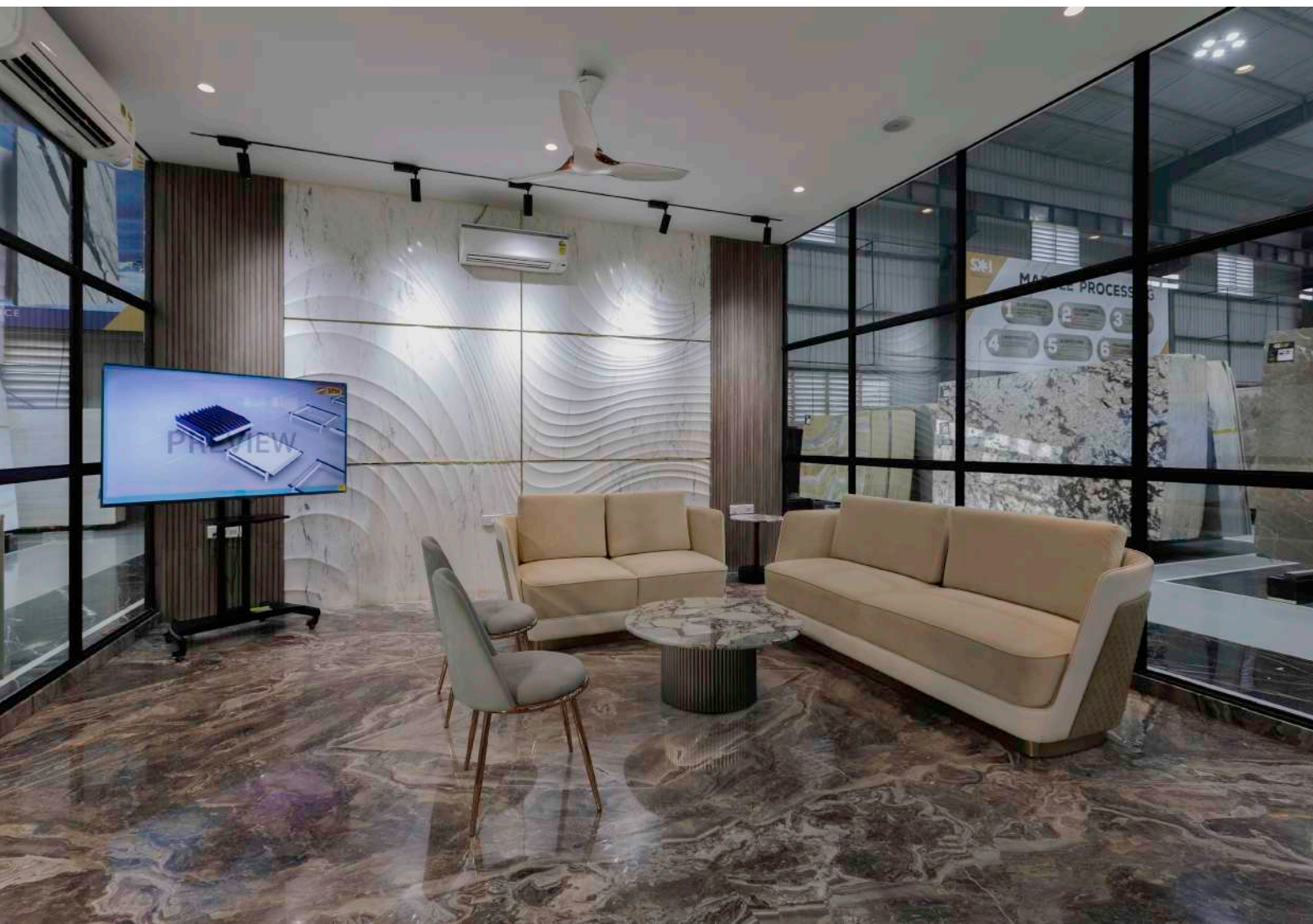
"Top Ten Gyms in the World" by a Los Angeles-based agency. Since then, the concept has been replicated in many gyms globally, establishing Nitro Fitness as a trendsetter in the fitness industry.

Which Home Automation brand do you prefer, and what specific features make them essential to your designs?

We are not brand-centric when it comes to Automation or smart lighting. Even features differ from project to project. Since we customize and experiment with every project of ours it's very difficult to state a particular brand or feature. Since technology is ever changing we keep on trying newer brands and features.

When it comes to Smart Lighting and Controls brands which brands do you prefer for your projects?

It varies from project to project, but we generally prefer brands like Honeywell, Lutron, and Siemens. For residential projects, we opt





for premium brands, while for commercial projects, we lean towards local brands. Ultimately, it's more about the dealer, their service, and the cost, depending on the specific requirements and budget. It's hard to generalize, but above all, service is the most important factor for us.

Can you discuss the importance of collaborating with technology integrators? How do you ensure a cohesive partnership during a project?

We have generally been working on similar projects since years and with lot of R & D, we have mastered the art of lighting with over 40 Restaurants and Night clubs we haven't so far collaborated with any such integrators.

In what ways do sustainability considerations influence your choices in smart technologies and materials?

Sustainability is part of consideration for every aspect of design, not just lighting. But since every lighting is going LED as such there is very less power consumption.

Which itself helps in sustainability also creating ambient lighting can bring down energy consumption much lower. AC with VRV and Star ratings and other equipment which also can be controlled by Automation help in reducing bills.

Are there any innovative concepts or technologies in Home Theatres that you find particularly exciting? And want to incorporate it in your projects.

We always incorporate innovative smart technologies in most of our projects so don't think there is any new thing that we are looking forward to including. We are always updated with the market t so normally we believe we are quite updated with everything.

“The M1 is Perfect for Those Seeking a Blend of Portability and High-Quality Audio in Diverse Setups.”



Paul Ward

International Sales Manager at Coda Audio

Paul Ward, International Sales Manager at Coda Audio, discusses the brand's journey, its acclaimed product range, upcoming innovations, and its strategic vision for shaping the future of audio technology.

Can you provide an overview of the latest product range offered by SPACE by CODA for the residential segment? What are the key features that differentiate these models from previous offerings?

There are no previous offerings as this is a totally new concept range and brand

What advancements in technology and sound quality have been incorporated into your loudspeakers and subwoofers and how do these improvements compare to those of your competitors?

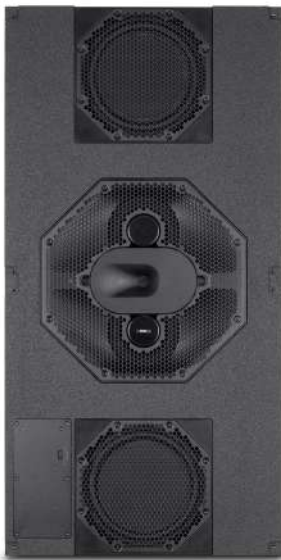
Patented technologies of Annular ring diaphragms, special Cone drivers and instafit Waveguides that fit into a depth of only 7CM making the system invisible yet powerful so there are no competitors.

Are there any upcoming product series or innovations from SPACE by CODA that you can share with us?

This range will expand into more direct AV markets too in the future

Could you provide an overview of the M1 and M2 models including their key features and technical specifications?

The M1 is a compact yet powerful three-way loudspeaker, measuring 598 x 598 x 70 mm and weighing just 10.95 kg. Despite its size, it delivers impressive performance with a peak output of 121 dB SPL at 1 meter and a broad frequency response range from 45 Hz to 20 kHz (-6 dB). Designed for versatility, the M1 features a rotatable MF/HF section, offering enhanced directivity options to suit various



sound distribution needs. Its lightweight and compact design makes it ideal for smaller frame configurations, while its performance also makes it suitable for use as 'height' speakers in multichannel audio applications. The M1 is perfect for those seeking a blend of portability and high-quality audio in diverse setups.

The M2 is a high-performance three-way loudspeaker, measuring 1198 x 598 x 70 mm and weighing 19.3 kg. It features a powerful driver configuration with 2x LF drivers, 2x MF drivers, and 1x HF driver, allowing it to achieve an impressive 127 dB SPL at 1 meter. With a frequency response range of 45 Hz to 20 kHz (-6 dB), it delivers a broad and clear sound spectrum. The M2 also includes a rotatable MF/HF section, offering enhanced directivity options for precise sound control. Its design allows the unit to be oriented for beam steering in both horizontal and vertical planes, making it highly adaptable for a variety of audio applications. The M2 is an ideal choice for those who require powerful, directional sound with flexibility in configuration.

Could you elaborate on the M1 Art and M4 Art models?

M1 and M2 Art are two elements of a family of products that make up Space panels and systems. These are often used as stand-alone satellites in an Immersive multichannel system or a simple stereo system where no screen is



required. Space Art allows you to have truly invisible HI performance loudspeakers that not only blend in to your environment, they are actually part of it. You can choose Art from renowned Global artists or even use your own to get exactly the look and feel in your home.

Could you share more details about the SCX and SB12 Pedestal Subwoofers?

SCX is a large 18-inch Sensor-controlled subwoofer, again looking like a plinth you would have a statue, artform, or even flowers on when used in an extremely large room. For a more subtle, cost-effective approach but capable of high SPL we also designed the SB12.

With Alphatec handling the distribution of SPACE by CODA in India, what expectations do you have regarding their performance in promoting the brand within the country?

With Alphatec's experience in the home and AV Market, they are the perfect partner to penetrate and grow the brand in the India Market.



Escala Tech: Elevating Luxury in Home Technology



PULKIT MATHUR

Founder and CEO, Escala Tech

Companies Insights

Escala Tech specializes in curating and distributing premium brands in the Home Automation and AV sectors. Their portfolio is meticulously crafted to embody luxury, sophistication, and the highest standards of quality, catering to discerning consumers who demand the best in technology. With an

extensive distribution network across India, Escala Tech ensures that their offerings are accessible in both metropolitan and regional areas. Strategic partnerships, logistics optimization, and a commitment to innovation are key drivers in maintaining a seamless supply chain, ensuring that customers always have easy access to cutting-edge home technology.

BRANDS REPRESENTED:



Interra – Known for its advanced home automation and building control systems, Interra leads in the KNX ecosystem, offering solutions that enhance comfort, energy efficiency, and security in both residential and commercial spaces.



Citron – A brand celebrated for its elegant, aesthetically pleasing smart designs, Citron combines beauty with engineering innovation to create home technology solutions that add glamour to interiors.



Juke Audio – A premium audio brand delivering high-quality, multizone streaming amplifiers and sound systems, Juke Audio elevates the listening experience for audiophiles and music lovers.



Atlantic Technology – With over 30 years of experience, Atlantic Technology is a leader in high-performance home audio solutions, creating world-class speakers and home theatre systems for audiophiles and home entertainment enthusiasts.



Pairot – A smart home solution that integrates Apple devices, Amazon Echo, and Google Home, Pairot allows voice control for various home functions like lighting and thermostats.

PRODUCT CATEGORIES:

Home Automation Solutions: Advanced control systems, building management, and energy optimization.

Audio-Video Systems: High-performance home theatre systems, speakers, multizone amplifiers, and audio streaming solutions.

Smart Home Devices: Voice-controlled products and intelligent solutions for seamless home automation.

Luxury Interiors Technology: Aesthetic and elegant designs integrating smart home technology to enhance living spaces.



Key Projects and Clients

Escala Tech has had the privilege of working with some of India's most prestigious individuals and organizations. Their clientele includes Bollywood celebrities, sports icons, and business magnates. In addition to residential projects, Escala Tech has completed premium office spaces and luxury hotels across India, ensuring the highest levels of technology integration and personalized service.

Presence Across India

Escala Tech's distribution network spans major metropolitan cities such as Mumbai, Delhi, Bengaluru, and Chennai, ensuring their products and services are available nationwide. The company has strategically curated logistics and partnership strategies to cater to the growing demand for luxury home technology in both urban and regional markets.

Plans for 2025

In 2025, Escala Tech aims to further solidify its position as a leader in the luxury home



technology sector. The company plans to expand its reach across India while introducing new, innovative solutions that cater to the evolving needs of the growing affluent consumer base. Despite challenges posed by taxes and import duties, Escala Tech remains committed to offering exceptional value to their clientele by making luxury accessible without compromising on quality or exclusivity. The company's focus will continue to be on delivering bespoke services and exclusive experiences that redefine the home technology landscape in India.

Contact Details:

📞 Pulkit Mathur 9560561666;
✉ Email: Pulkit@escalatech.in or
🌐 www.escalatech.in



Visual Vibrations: Transforming Audio-Visual and Smart Home Experiences



MR. VIKAS KOTHARI

Director, Visual Vibrations

Companies Insights

Visual Vibrations is a pioneering name in integrated technology services, with over a decade of expertise in delivering cutting-edge solutions for both residential and commercial projects. Renowned for its commitment to quality and customer satisfaction, the brand has established itself as a trusted leader in the industry.

As Central India's largest AV store, Visual Vibrations is a key importer and distributor of high-end audio-visual products in India. The brand operates one of the country's biggest and most unique AV experience centers, strategically located in the heart of the region. This one-of-a-kind facility boasts over 9 specialized home theater demo rooms, each acoustically treated and meticulously calibrated to offer an unparalleled sound experience.

With a discerning selection of world-class brands, Visual Vibrations partners exclusively with leaders in the industry, each with over 40 years of expertise in crafting exceptional products. Their network of dealers across India regularly brings clients to experience the magic of true cinema at home.

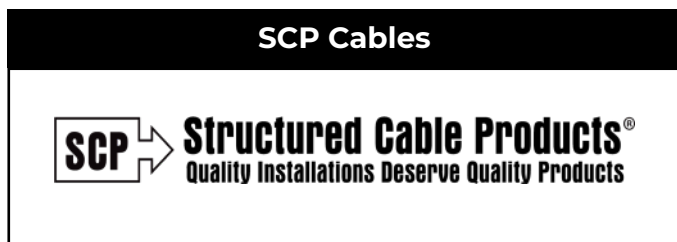
In addition to its AV offerings, Visual Vibrations

also excels in home automation. The brand is at the forefront of next-gen home control technologies, continuously staying ahead with the latest innovations and futuristic solutions. Their team undergoes regular training and learning sessions to ensure they are equipped with the best knowledge to design and implement smart home experiences that are both imaginative and functional.

Brands Represented

Visual Vibrations represents a curated selection of industry-leading brands, known for their innovation and expertise. These partnerships enable the brand to offer the highest quality audio-visual and home automation solutions to meet the evolving needs of its customers.

Names of the Brands we represent



Product Categories

Home Cinema: Krix, Axiom, Tru audio, Earthquake.

Home Automation: Vibroxx

Pro Audio: Moose

Cables: SCP Cable



AV Nirvana offering Innovating Premium Audio-Visual Solutions in India

Companies Insights

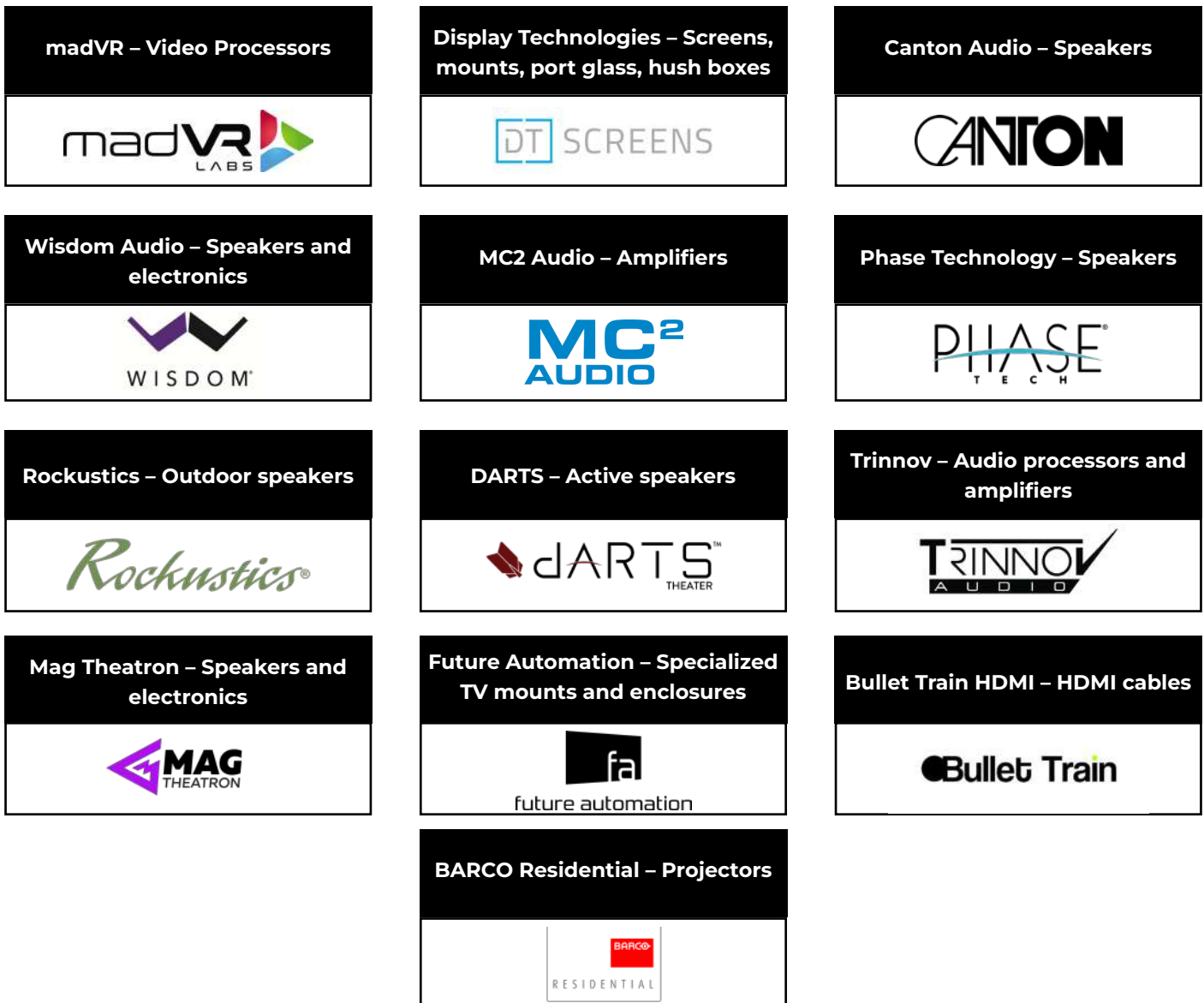
AV Nirvana is a premier importer and distributor of specialist audio-visual products in India. Based in Mumbai, the financial capital of the country, we operate with a robust dealer network across all major cities. Our mission is to deliver exceptional audio-visual experiences through cutting-edge solutions for Home Cinema, Hi-Fi systems, and multi-room audio/

video distribution.

Our expertise extends to room acoustics and home cinema design, ensuring seamless integration of technology and aesthetics. With over 17 years of experience in the AV and IT industries, our team is at the forefront of innovation. We provide end-to-end solutions, supported by our in-house, internationally certified support team.

Brands We Represent

We proudly distribute products from some of the most renowned brands in the AV industry, including:



Product Categories

- Audio
- Video
- Cables
- Electronics

Key Projects and Clients

We are a pure B2B company, catering to a wide network of dealers and professional AV integrators.

Presence Across India

While our head office is in Mumbai, our products and brands are available for demonstration at dealer showrooms across India.

Plans for 2025

Our vision for 2025 is encapsulated in three words: Bigger, Better, Brighter.

Insights on the Indian Market and Target Categories

India is in a growth phase with immense potential in the AV industry. We aim to continue introducing the best technologies to the Indian market, ensuring consumers have access to world-class solutions.

Contact Gurpreet Singh: 9372313616



Formovie Cinema Edge Turns Any Room into A Movie Hall

Boasting premium features, the FORMOVIE CINEMA EDGE 4K UST projector is set to revolutionize home entertainment.

The premium home theatre segment in India is expected to witness substantial growth in the coming years, driven by the rising demand for a cinematic experience at home. As the demand for a cinematic experience at home grows, the FORMOVIE CINEMA EDGE stands out among the premium projectors being introduced in India. According to Statista's market insights on home entertainment in India, the number of active households in this segment is projected to reach 28.1 million by 2029. With this anticipated growth, more households are likely to transition from traditional television systems to premium UST projectors, which offer superior visual quality, bigger screens and integrated technology.

To meet the increasing demand, a wide range of premium projectors are being introduced in India, enhancing the content viewing



experience for consumers. Among them, Formovie projectors, though relatively new to the Indian market, are gaining popularity in the premium category for their versatile and high-performance offerings. The recent release from Formovie, the FORMOVIE

CINEMA EDGE, is one of those devices from the manufacturing giant that is redefining the UST projector segment. But what are the features that set this cutting-edge device apart from its contemporaries?

Powered by ALPD® technology, the FORMOVIE CINEMA EDGE delivers a smooth, high-precision display with exceptional colour accuracy, brightness, and contrast. Even the finest details are vividly projected on the big screen, while deep dark tones and vibrant colours appear perfectly balanced, thanks to its 3000:1 contrast ratio and HDR10 support. Meanwhile, with the Rec. 709 colour gamut and 4K UHD resolution, every colour in the Cinema Edge also looks true to life.

The dual 15W built-in speakers are Dolby Audio and DTS-HD certified, offering a sound experience as captivating as the visuals. The strategic placement of the speakers ensures a surround sound system comparable to modern cinema halls, delivering rich bass and an outstanding cinematic experience to the viewer.

FORMOVIE CINEMA EDGE can truly transform any room into a cinema-worthy space with its ultra-short throw capabilities. The projector

requires only 49 cm between it and the wall to project a screen up to 150 inches. With a 0.23:1 throw ratio, it adapts well to even the smallest rooms, making it an ideal choice for modern compact homes.

By offering direct access to Google TV with Netflix, FORMOVIE CINEMA EDGE

lets users watch all their favourite shows and movies directly from the projector itself, minimizing reliance on external devices. The Active Voice Control feature makes searching for content easier with voice commands.

FORMOVIE CINEMA EDGE features MEMC technology, enhancing action movies, sports events, and gaming sessions by delivering fast-moving images with exceptional clarity. It also includes a blue light filter that reduces exposure to harmful blue light, protecting viewers' eyes.

The device is equipped with multiple cooling fans, yet its low-noise operation minimizes fan noise, making it impressively quiet. Its minimalist yet stylish matte-finish design complements the aesthetics of modern interiors. Priced at Rs 2,85,000, and distributed in India by Aytexcel Pvt. Ltd.





Elevate Your Home with BenQ Premium Theatre Solutions

BenQ is dedicated to delivering products that effortlessly integrate into consumers' lives, elevating their experiences across multiple segments. BenQ is redefining the luxury home theatre experience by blending cutting-edge technology with unparalleled design and performance. Recognising the growing demand for high-end entertainment solutions, BenQ has focused on developing projectors that deliver cinematic quality right into the comfort of your home.

Technological Innovations

BenQ is committed to pushing the boundaries of technology to enhance user experiences across our product range. They are harnessing cutting-edge technologies such as DLP and solid-state illumination (SSI) such as 4LED(RGBB), RGB Laser, and Blue Core Laser Light Sources to guarantee unparalleled performance

Setting industry benchmarks, BenQ's
76 | SMART HOME WORLD | MARCH 2025



projectors deliver high colour accuracy, covering 100% of the DCI-P3 colour gamut & Filmmakers mode. BenQ's proprietary CinematicColor™ technology ensures immersive, true-to-life colours.

BenQ has recently developed a specialized software for projectors, Qcolor. This software provides a seamless colour calibration experience. Their focus remains on enhancing

colour performance for their high-end Home Cinema Models: W5800 for an authentic calibration. This dedication results in a cohesive,

optimized colour management ecosystem that professionals and cinephiles can rely on for true-to-life colour representation.



KEY HIGHLIGHTS:

With W5800, you can experience upto 200" screen with laser-sharp clarity at the comfort of your home. It is a perfect choice for premium Luxury Home Theatre Rooms. Some of its Key Features at a glance:

- **Outstanding visual quality:** True 4K UHD resolution (3840x2160) with 2600 ANSI Lumens brightness from a laser light source. It offers 100% DCI-P3 colour gamut coverage upto 1700 ANSI Lumens brightness, ensuring vibrant and accurate colors.
- **Advanced Features:** With features like Local Contrast Enhancer, Dynamic Black Technology, and HDRPro™ along with HDR10/ HLG Support for perfect details in dark & bright scenes
- **Flexible installation:** 1.5-2.45 throw ratio, 1.6x motorized zoom, vertical $\pm 50\%$ and horizontal $\pm 21\%$ motorized lens shift, and 2D keystone correction for flexibility and ease of installation
- **Enhanced Connectivity:** With HDMI 2.1 support along with ARC/eARC, it delivers superior image and sound quality. USB-A port with media reader support to play 4K stored content.



COMPATIBILITY

BenQ Projectors are pivotal in enhancing the smart home setup, offering immersive entertainment and practical utility.

Projectors seamlessly blend into the connected home environment, serving as versatile hubs for both information and entertainment.

They are compatible with leading automation

devices and software with the help of LAN and RS-232 port.

In summary, BenQ is at the forefront of delivering luxury Home Theatre Projectors designed with advanced technology, superior design, and intuitive integration.

BenQ's projectors are not just about delivering stunning visuals; they are about creating an immersive, cinematic experience that transforms your space into a high-end theatre.



Leading Innovation in Exceptional Audio Experiences

Atlantic Technology is exclusively distributed by Escala Tech, bringing these cutting-edge audio solutions to the Indian market. Check out their new Vista 500 speaker system that transforms your living room into a theater-like experience. Equipped with three front-stage channels (left, center, and right) and two top-firing Atmos speakers, this compact yet powerful system enhances your home entertainment setup. Its sleek, slim design integrates seamlessly into any space—whether mounted on the wall or placed on a shelf—delivering high-performance sound in a stylish and space-saving form.

The Azure® series redefines in-ceiling audio with advanced materials and superior craftsmanship. Engineered for exceptional sound quality and long-lasting durability, these speakers are designed to withstand humidity and rust, ensuring outstanding performance in any environment. Featuring built-in backplates for improved sound dispersion, the Azure® speakers deliver rich, full-bodied audio while maintaining a discreet, minimalist appearance.



Beenext and AVA Unveil Smart Solutions in India

In an exciting development for the Indian smart home and home cinema market, Beenext Pvt Ltd, a leading name in innovative technology solutions, has announced a strategic partnership with AVA, Inc., maker of AVA Cinema Remote and smart home platform AVA OS. Together, they aim to deliver an unparalleled home automation experience, combining cutting-edge technology with sleek, user-friendly design.

Designed to be both elegant and intuitive, AVA Cinema Remote enables a homeowner to manage their smart home—from lighting to entertainment systems—all from a single, sophisticated interface.

The partnership marks a significant step forward in bringing advanced home automation solutions to the Indian market. By leveraging AVA's expertise in creating intuitive control systems and Beenext's strong market presence, the collaboration promises to redefine how Indian consumers interact with their smart homes.

Jay Singh, Director, Beenext Pvt Ltd, commented on the partnership, saying, "We are thrilled to partner with AVA to bring AVA Cinema Remote to India. This collaboration aligns perfectly with our mission to deliver innovative, user-centric solutions that enhance everyday living. AVA Cinema Remote is not just a device; it's a gateway to a smarter, more connected home. We believe it will resonate strongly with Indian consumers who value both technology and design."

Empowering Installers with the AVA Pro Installer Network

In addition to introducing the AVA Remote, Beenext is also launching the AVA Pro Installer Network, a groundbreaking initiative designed to support smart home and home cinema dealers. This network will provide dealers with a simplified, streamlined way to integrate AVA's products into their offerings, enabling them to generate new revenue



streams while delivering exceptional value to their customers.

Raphael Oberholzer, CEO, AVA OS, shared his enthusiasm for the partnership, stating, "India is a key market for AVA. We are excited to work with Beenext to bring AVA Cinema Remote to Indian homes. Our goal has always been to make home automation as beautiful as it is functional, and we believe the AVA Remote achieves that perfectly. With Beenext's expertise and the new AVA Pro Installer Network, we are confident that we can create a strong ecosystem that benefits both dealers and end-users."

DLS Appoints Vinshek as Official Distributor for India.



DLS, the renowned Swedish audio company known for its commitment to exceptional sound quality and craftsmanship, is pleased to announce the appointment of Vinshek as India's official distributor. This strategic partnership marks a significant milestone in DLS's expansion into the Indian market, further strengthening its global presence.

Founded in 1979, DLS has grown from an engineering-driven company into an internationally recognized manufacturer of high-quality audio products for both car and home use. The company's legacy began with the invention of a groundbreaking police scanner and evolved to create some of the most innovative and celebrated audio solutions in the world. DLS products are now widely acclaimed for their precision, design, and exceptional sound quality.

The collaboration with Vinshek will ensure that Indian customers enjoy the best of Swedish engineering through DLS's exceptional audio products. DLS offers a wide range of home audio solutions, including the Flatbox Series, which features sleek, wall-mounted speakers designed for modern homes, providing natural sound and a minimalist aesthetic. The Flatsub Series includes high-performance subwoofers that deliver deep bass and outstanding audio clarity, perfect for enhancing home audio setups. Additionally, the Built-In Series offers elegant and discreet built-in speakers

that integrate seamlessly into any home environment, delivering superior sound with a clean, modern design. For outdoor spaces, DLS's All-Weather Speakers are durable and produce exceptional sound in any setting, from gardens to patios. DLS's home audio products ensure that superior sound quality is available for every area of the home and beyond, blending effortlessly with various environments while delivering extraordinary sound experiences.

Gustav Winberg, CEO, Winn Scandinavia AB said, "We are excited to partner with Vinshek to bring DLS's high-quality audio products to India. India represents a dynamic and rapidly growing market for premium audio systems, and with Vinshek's expertise in distribution, we are confident that Indian consumers will appreciate the superior sound experience and innovative technology that DLS offers. This partnership will allow us to meet the demand for world-class audio solutions in India and help expand the DLS legacy."

Adding his views Johan Kransvik, Export Sales Manager, Winn Scandinavia AB, said, "Vinshek has a strong reputation for distributing high-quality audio products across India, and we are thrilled to have them as our official distributor. With their local market knowledge and proven track record, we believe this partnership will bring DLS products to the forefront of the Indian audio market. We look forward to delivering outstanding sound experiences to Indian consumers and further cementing DLS as a leading brand in the country."

Sharing his views on this collaboration Shekhar Mehta, Director, Vinshek, says "We are extremely excited to collaborate with DLS, a brand known for its unmatched quality, engineering & contemporary aesthetic design to match any design space. This partnership aligns perfectly with our vision of offering the finest Onwall speakers providing minimalistic design and outstanding soundstage to

Indian consumers wanting music or cinema dynamics. DLS's products are a perfect fit for India's growing audio enthusiast community, and we are committed to delivering these premium sound experiences to our customers. Together with DLS, we aim to set new standards in the Indian audio market."

This collaboration between DLS and Vinshek marks the beginning of an exciting journey to bring world-class audio solutions to India. Together, they aim to redefine the audio experience for Indian consumers with unmatched quality and innovative technology.

ABB India Launches New Modular 'LIORA' Switch Range

ABB India recently launched its new range of 'LIORA' modular switches at ELECRAMA 2025. Designed for smart residential, commercial, and hospitality spaces, 'LIORA' switches are engineered to set new benchmarks in the modular switch industry. This new range of switches, sockets, and Miniature Circuit Breakers (MCBs) seamlessly integrates modern technology, with superior safety, performance and aesthetics.

ABB's latest addition to its Indian portfolio of modular switches and accessories is 'Made in India' as per the Bureau of Indian Standards (BIS). Designed for diverse environments, LIORA delivers unmatched style and functionality, making it the ideal choice for urban interiors. Crafted with smooth edges for a perfect wall fit, LIORA delivers the latest offerings with a wide variety of functions, including different switches, socket outlets, electronic products, charging sockets (A+C type USB), electronic bells, key card switches, etc. It is the ideal solution for both upgrades and new installations, offering reliability, efficiency, and style. LIORA is available in multiple color options, including glossy Moon White and matte Stone Grey finishes, among others, making it perfect for residential, commercial, and hospitality segments.

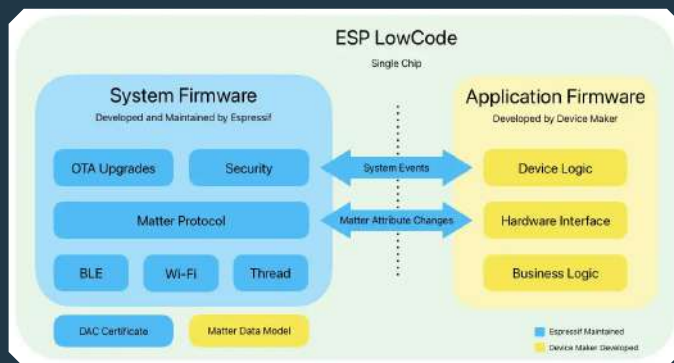
"At ELECRAMA 2025, we are showcasing the extensive technology portfolio we offer in India. From the latest in motors, drives and traction systems to the new LIORA technology for smart buildings, innovative solutions for power systems and energy distribution



enable our customers to deliver growth and sustainability," said Kiran Dutt, President, Electrification, ABB India. "There is increasing demand for the latest energy-efficient and cost-effective solutions to support both economic development and India's net-zero ambitions. Our investment in local sourcing, R&D and manufacturing, facilitate tailored solutions for India's evolving electrification needs and collaborate more effectively with local customers and partners."

This year also marks the 75th anniversary of ABB in India, a milestone that highlights the company's technological excellence and sustainable growth, significantly contributing to India's industrial and social development. ABB India has played a pivotal role in enabling electrification, automation, and digitalization across utilities, industries, infrastructure and transportation, aligning closely with the nation's growth priorities. ABB India's local manufacturing facilities Bengaluru, Nashik, Vadodara and Faridabad continue to focus on 'Make in India' and supporting customers in achieving their progressive growth and sustainability targets.

Espressif Unveils ESP LowCode Matter for Simplified Device Development



Espressif Systems has launched ESP LowCode Matter, a new solution designed to streamline the development of Matter-compatible devices. Building on the success of their ESP ZeroCode solution, the new platform offers developers a blend of simplicity and customization, enabling easier creation of connected products.

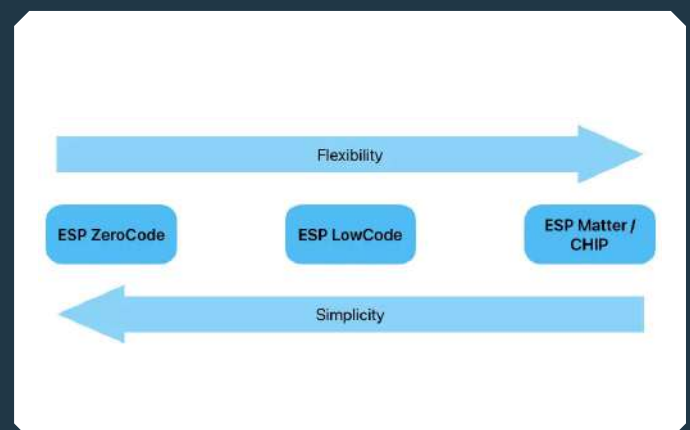
ESP LowCode Matter splits firmware into two parts: System Firmware, managed by Espressif, and Application Firmware, which developers can customize to suit their hardware and business logic. This approach isolates developers from the complexities of the Matter protocol, security management, and over-the-air (OTA) upgrades, letting them focus solely on device functionality and user interaction.

The platform simplifies the development process by using an intuitive setup-loop programming style and speeding up the build-flash-debug cycle. It also includes features for unique QR code and DAC certificate generation, making it easier to move from development to production. Espressif's Matter manufacturing service ensures that production certificates are pre-programmed into devices, further simplifying the process.

ESP LowCode Matter also ensures seamless maintenance by allowing Espressif to manage the system firmware and security updates. Developers can then modify the device's data model and other custom features without worrying about underlying system complexities.

For certification, ESP LowCode Matter products undergo rigorous testing, ensuring Matter compatibility and meeting industry standards. The platform also supports additional ecosystem certifications like "Works with" badges, making it easier for manufacturers to integrate their products into various ecosystems.

The platform supports a browser-based development experience with VS Code IDE plugins integrated into GitHub Codespaces, offering a user-friendly interface without the need for additional software installation. Local VSCode IDE or other editors are also supported for traditional workflows.



The first chip supported by ESP LowCode Matter is the ESP32-C6, a 32-bit dual-core SoC that is well-suited for the Matter protocol. The system divides CPU and memory resources between the system and application firmware, ensuring a stable, efficient development environment.

ESP LowCode Matter represents a significant leap forward in simplifying the development of smart devices. Manufacturers looking to build Matter-compatible products can now accelerate their development process and bring their ideas to life with ease.

Developers can start using ESP LowCode Matter by following the official README and joining the growing community to share feedback and ideas.

Panasonic Unveils HomeCHEF Connect 4-in-1 Multi-Oven with Fresco Integration



Panasonic, a leading provider of consumer lifestyle technologies, announced the launch of the HomeCHEF Connect 4-in-1 Countertop Multi-Oven. Featuring four versatile cooking methods—Microwave, Air Fry, Convection Bake, and Broil—the connected appliance empowers users to create delicious meals and save time through the new Panasonic Kitchen+ app, powered by leading smart kitchen platform Fresco.

Integrated with the Panasonic Kitchen+ app, Panasonic's multi-oven seamlessly transforms ingredients into finished meals with step-by-step guided cooking instructions. Featuring hundreds of expertly tested recipes tailored to various cooking functions and dietary preferences, the app streamlines the cooking process with time-saving solutions that make every meal effortless. With shortcuts for weekly favorites, autocook presets, and live appliance updates, home cooks can spend less time in the kitchen and more time enjoying meals with loved ones.

With its sleek, space-saving design and advanced technology, the HomeCHEF Connect 4-in-1 Multi-Oven redefines convenience, delivering faster and healthier cooking at the touch of a button. It comes equipped with essential accessories, including an Air Fry Basket, Wire Rack, Enamel Tray, and, in one model, the HomeChef™ Magic Pot. Built for efficiency without compromising quality, this

appliance combines four powerful cooking methods to simplify mealtime.

The Microwave function uses Panasonic's advanced Inverter Technology to ensure thorough heating while preserving essential nutrients. Air Fry delivers crispy, golden-brown results with minimal oil and no preheating. Convection Bake circulates hot air evenly for precise baking temperatures, while the Broil feature harnesses high-efficiency quartz heating elements for fast, even browning and crisping, making it ideal for a wide range of dishes.

"At Panasonic, we're committed to making home cooking more enjoyable and accessible. With the integration of the Fresco-powered Kitchen+ app, we're taking convenience to the next level," said Sayaka Matsumoto, Product Specialist. "Whether you're air-frying a steak, baking cookies, or using the HomeChef™ Magic Pot for creamy feta pasta, the HomeCHEF Connect 4-in-1 Multi-Oven makes every meal effortless. By combining powerful technology with intuitive design, we're helping home cooks save time without sacrificing flavor or quality."

The HomeCHEF Connect Multi-Oven is also Panasonic's first appliance to connect with Fresco, allowing home cooks to easily access and control the oven's capabilities while expanding their cooking skills with confidence. "We are excited to connect such an innovative and powerful appliance with Fresco," said Ben Harris, CEO and co-founder of Fresco. "We value Panasonic's understanding of how to improve the cooking experience with great software, and this is a perfect example, now available to home cooks."

With the growing demand for multifunctional appliances that simplify busy lifestyles, the HomeCHEF Connect 4-in-1 Multi-Oven is designed to meet the evolving needs of modern households. By combining smart technology with versatile cooking options, Panasonic continues to deliver solutions that bring convenience, efficiency, and creativity to home kitchens.

JUNG Offers KNX Push-Button Interfaces in Three Variants



JUNG's push-button interfaces provide an ideal solution for integrating sensors and switches into the KNX system. These interfaces enhance security and energy efficiency for building owners. With KNX Data Secure compatibility, they are resistant to tampering and can be easily updated via the JUNG KNX Service App. Seamless integration of various functions

Push-buttons, door or window sensors, hotel card or key switches can be easily integrated into the KNX system via the floating contacts. This enables intelligent control of lighting, heating, air conditioning and other electrical devices. Another major advantage of the push-button interface is its versatility. It supports leakage and condensation sensors as well as temperature sensors and door and window contacts. This allows building owners to increase the security and energy efficiency of their building.

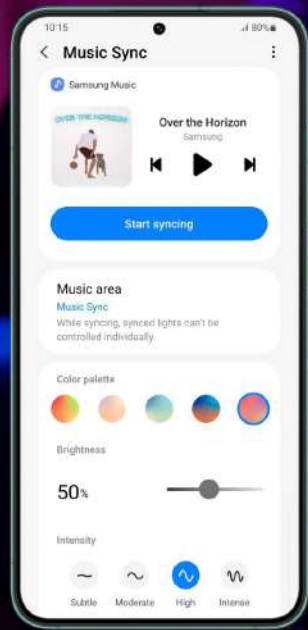
Three different versions with KNX Secure

With two, four or eight independent channels, the installer can parameterise each channel as an input or output. The push-button interface can also send telegrams to the bus based on read-in push-button/switch statuses. This enables precise and reliable control of the connected devices. Neighbouring input channels can be combined when push-buttons, door or window contacts are connected. This allows complex logic functions to be realised. It is also possible

to block individual channels of the push-button interface. This enables targeted control and management of the connected devices. Another advantage of the new push-button interface is its compatibility with KNX Data Secure. This offers a high level of tamper protection in building automation and can be easily configured via the project design in the ETS. The devices can be updated and can be conveniently supplied with firmware updates via the Jung ETS Service app.

Versatile options for setting up the KNX system

- With the KNX push-button interface, various switch types such as installation switches, push-buttons, reed contacts (door/window contacts), leakage/condensation sensors, temperature sensors, Mini Basic motion detectors, pulse counters and outputs can be integrated into the KNX system.
- In a hotel, the KNX push-button interface with the FFNTC temperature sensor can be used in a variety of ways. For example, it automatically adjusts the room temperature in hotel rooms and thus offers guests optimum comfort.
- By integrating leakage and condensation sensors into the KNX system, the push-button interface enables reliable monitoring and early warning of moisture and water damage. This allows measures to be taken to minimise damage and warranty the safety of the building.
- By connecting reed contacts to the push-button interface, users can monitor the status of doors and windows.
- The push-button interface has a pulse counter with main and intermediate counters. This enables the accurate recording and monitoring of pulses, for example for measuring energy consumption or recording meter readings.



Philips Hue Expands SmartThings Compatibility with 155 New Certified Products

Samsung's SmartThings has bolstered its smart home ecosystem with a major expansion of Philips Hue product compatibility. The two companies announced that an additional 155 Philips Hue smart lighting products have now been certified under the Works with SmartThings (WWST) program.

SmartThings' improved Developer Center and its Certification by Similarity program have made it easier to certify entire product portfolios, simplifying the approval process. It means that all newly certified Philips Hue products will now seamlessly connect with the SmartThings platform.

The newly certified Philips Hue products can be controlled via the SmartThings app, allowing users to adjust lighting settings, create custom automation routines, and integrate them with other smart home devices from a single interface.

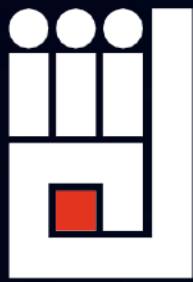
Aaron Swift, Director of Product Management – Developer Experience at Samsung

SmartThings, highlighted the benefits of this deeper collaboration.

"We are always striving to make the Works with SmartThings certification process easier and more efficient for partners. Philips Hue has set the standard for innovation and reliability in smart lighting, and we are pleased to expand certification to their full lighting portfolio. This ensures more consumers can experience high-quality, connected lighting solutions," said Swift.

While Amazon Alexa and Google Nest have been dominant players in the Australian smart home space, Samsung's SmartThings is making strides to become a more formidable competitor.

Winnie Fong, Director of Smart Home Partnerships at Philips Hue, added: "SmartThings has been a key partner for us, and we are excited to add our latest model lineup to the Works with SmartThings ecosystem. We can't wait for users to enhance their smart homes with Philips Hue and SmartThings."



INDIAN
INSTITUTE
OF INTERIOR
DESIGNERS

MUMBAI REGIONAL CHAPTER

SMART SPACE AWARDS 2025

Powered By:

Marvel

—Marvel Decor Ltd.—

NATIONAL TECHNOLOGY AWARDS FOR INTERIOR DESIGNERS,
ARCHITECTS, SYSTEM INTEGRATORS & BRANDS

MEET THE JURY



AR. QUTUB MANDVIWALA
Mandviwala Qutub
& Associates



MR. NIMISH AJMERA
Ajmera Realty & Infra
India Limited



MR. NILESH PURANIK
Puranik Builders Ltd.



AR. SHILPA JAIN BALVALLY
Studio Osmosis



MS. WENDY GRIFFITHS
CEDIA



AR. ANIL CHAVDA
Anil Chavda and
Associates

NOMINATION DATE
EXTENDED

**Submission Due Until
Midnight 15th April 2025**

8th MAY 2025

Jio World Convention Centre,
BKC, MUMBAI

Organised by:



messe frankfurt

www.smarthomeexpo.in



6th EDITION

International Exhibition
& Conference on
Smart Home Technology,
Home Automation, Audio -Video
& Intelligent Buildings



MUMBAI

8 • 9 • 10 MAY 2025

Jio WORLD CONVENTION CENTRE



BE A PART OF
**INDIA'S LARGEST SMART HOME
TECHNOLOGY EVENT**

TITLE PARTNER	REGISTRATION & BADGE PARTNER	PLATINUM PARTNER	VISITOR BAG PARTNER	PLATINUM PARTNER	PLATINUM PARTNER	SHADES PARTNER	PREMIUM PARTNER	PREMIUM PARTNER	SMART LIFE PARTNER	SMART HOME TECHNOLOGY PARTNER	PREMIUM PARTNER
HAVELLS Gratiotree	CP PLUS	ABB	Q&A	Cinebels	SONOS	Marvel - Marvel Decor Ltd -	VINSHEIK - SINCE 1987 -	MIANTIC AV	SMATO	ADI snap one	EMI
PREMIUM PARTNERS											
Goody	RTI	AK FOCAL	APRO IPX	TATA POWER GZ HOME	CAVITAK	benq	BO	ViewSonic	LG Business Solutions	Optoma	marantz
JBL	GALLO ACOUSTIC	rako	basalte	CASADIGI	AERO	TINNOV	dorsët	Klipsch	ESPRESSIF	FORMOVIE	EPSON
Laurits Kludsen	BuildTrack	MDT TECHNOLOGIES	OKAS	Amica	SOUND & VISION	KFIX	LOEWE	INTERRA	oeelectron	raylogic	McIntosh
B.E.G.	LTECH	Zennio	KEY	PTC							
STRATEGIC PARTNER	KNOWLEDGE PARTNER	KNOWLEDGE PARTNER	SUPPORTING PARTNER	SUPPORTING PARTNER	KNOWLEDGE PARTNER	KNOWLEDGE PARTNER	KNOWLEDGE PARTNER	MEDIA PARTNER	KNOWLEDGE PARTNER	TECHNOLOGY PARTNER	
CREDAT-MOBI	CEDIA	WAVE	WAVE	WAVE	WAVE	WAVE	WAVE	SMARTHOME WORLD	WAVE	KNX	

REGISTER NOW

www.smarthomeexpo.in

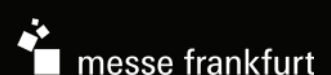
EXHIBITION • NETWORKING • PRODUCT DEMO • CONFERENCE • TRAININGS

FOR BOOKINGS, PLEASE CONTACT:

Nazim Sawant +91 99304 26156 | nazim@smarthomeexpo.in

Monika Agnihotri +91 93210 24581 | monika@smarthomeexpo.in

Organised by:



www.smarthomeexpo.in