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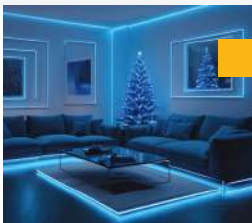
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CONTENTS

08

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FROM THE EDITOR

SWATI BALGI

As we stand on the threshold of a New Year, an uplifting sense of optimism fills the air, motivating our team to set new resolutions and embrace the challenges ahead. As a team, we are filled with hope for a year marked by success, inspiration, and positive transformation in every aspect of our lives.

Being the final issue of this year, we felt it fitting to focus on a topic that resonates with the future, 'Made for India': Local Innovations in Smart Home Technology. It's truly exciting to witness how rapidly brands in this sector are evolving to deliver smart solutions that are tailored to the unique needs of India. Our Feature Article highlights the latest Residential Smart Lighting Trends and Best Practices, shedding light on how they are shaping the preferences of both homeowners and professionals. It explores the shift towards energy-efficient and automated lighting systems, which are becoming a cornerstone of modern homes.

In our Interview Section, Pushkar Gokhale, EVP and Business Head of Godrej & Boyce's Security Solutions Business, shares insights on the latest advancements in security solutions that are revolutionizing home safety. C.J. Singh, COO of Wave City, discusses how smart technologies like building automation, home automation, and smart lighting are transforming the real estate sector. Indraneel Gupta, Founder and CEO of Portl, explores the future of personalized fitness through innovative smart home gyms, offering a glimpse into how technology is changing fitness experiences.

In our Case Study section, we feature the CDSL office, designed by ANA Design, which seamlessly integrates smart automation and technology to create an efficient, employee-friendly workspace. Meanwhile, the SmartNode Experience Centre in Ahmedabad, powered by Corona Powertech, gives consumers a firsthand experience of the latest smart home solutions, offering an immersive look at the brand's innovations.

Finally, in our Product Previews, we feature the Loewe klang bar3 mr soundbar, an epitome of sophisticated design and powerful performance, providing an immersive 3D sound experience with support for Dolby Atmos and DTS:X. We also showcase BenQ's projectors, which push the boundaries of home entertainment with remarkable color accuracy and a massive screen experience.

Enjoy reading and stay updated.

Made for India: Local Innovations in Smart Home Technology

Smart Home World presents an overview of how "Made for India" Smart Home Technology solutions are specifically engineered and designed to cater to Indian homes. The experts and brands share their insights and innovative solutions tailored to meet the unique needs of the homeowners.

Recently `Make in India' initiative celebrated its 10 Anniversary. From the time this initiative was launched by the Government of India, it has significantly influenced various industries, including the Smart Home Technology segment.

This initiative encouraged leading brands and startups in the Smart Home Technology segment to offer `Made for India' smart solutions that were specially engineered and designed for Indian homes. These solutions provide numerous advantages, including affordability, high quality, and customization to take care of the local needs. These innovative products/solutions were designed to withstand India's power supply, climate

and cultural preferences. Now these tailored solution offer users enhanced convenience, faster support, and better accessibility. This in turn is transforming the relationship between brands and consumers.

Tailored to Local Needs

India is a country of diversity, with different climates and diverse lifestyles. Plus, India's linguistic diversity is one of its defining characteristics, and the smart home industry has quickly recognized this challenge. To cater to the vast number of regional languages spoken across the country, manufacturers have introduced voice-controlled smart devices in multiple Indian languages, including Hindi,

Tamil, Telugu, and Bengali. This breakthrough allows a wider segment of the population to engage with smart home technology without needing to rely on English.

The integration of voice assistants like Alexa, Google Assistant, and Siri, along with regional language support, has made smart homes more inclusive. Whether controlling lights, appliances, or security features, Indian homeowners now enjoy the ease of using their native language to interact with their devices. As smart homes become more complex with a variety of devices working together, the need for seamless integration has never been more important. Indian manufacturers are leading the charge in creating devices that are compatible with multiple platforms such as Wi-Fi, Bluetooth LE, KNX, Z-Wave, Zigbee, Thread, and Matter ensuring that homeowners can easily control and monitor their homes from a single interface.

Whether it's controlling lights, managing security cameras, or adjusting the air conditioning, all devices work together harmoniously, giving users a truly integrated experience.

Smart Home World interacts with industry experts and leading brands to highlight their perspectives on Local Innovations in Smart Home Technology and how their products/Solutions are engineered to take care of the Local needs and challenges.

Muskan Salgia, VP, Residential Solutions, CasaDigi

What specific solutions does your brand offer for Indian homes? Please elaborate on the technical features and advantages these solutions provide, particularly in the context of their application in specific areas in a home.

CasaDigi brings the luxury and intelligence of advanced home automation to residences, ensuring that they are smart and seamlessly aligned with the unique needs of Indian homeowners. Combining cutting-edge engineering, intelligent software, and deep integration systems, the app provides a one-stop solution that empowers homeowners to control every aspect of daily life.

CasaDigi offers homeowners a seamless, centralized control system through a singular, intuitive app that provides effortless management of lighting, climate, entertainment, and security. The app is designed to integrate all aspects of home automation, simplifying daily tasks and ensuring a user-friendly experience. Smart lighting systems automatically adapt to natural daylight and user preferences, promoting energy efficiency and comfort. Similarly, climate control optimizes temperature management, which is particularly beneficial for the diverse climates of India, offering both convenience and cost savings. Entertainment integration is another key feature, with the app supporting seamless connectivity with home theatres, multi-room audio systems, and streaming platforms, as well as compatibility with legacy sound systems to ensure integration with existing infrastructure. Enhanced security features, including smart locks, CCTV integration, and remote monitoring, provide real-time alerts and access control, ensuring safety even when homeowners are away—vital for urban Indian lifestyles. The app also provides Personalisation and Butler Services, such as customized meal plans, scheduling, and multi-home support, catering to the diverse needs of Indian families. Additional advantages include seamless integration of various systems, discreet technology that preserves the aesthetic appeal of homes, regular software updates to stay aligned with emerging technologies, and energy efficiency through intelligent monitoring and control, which helps reduce energy consumption.
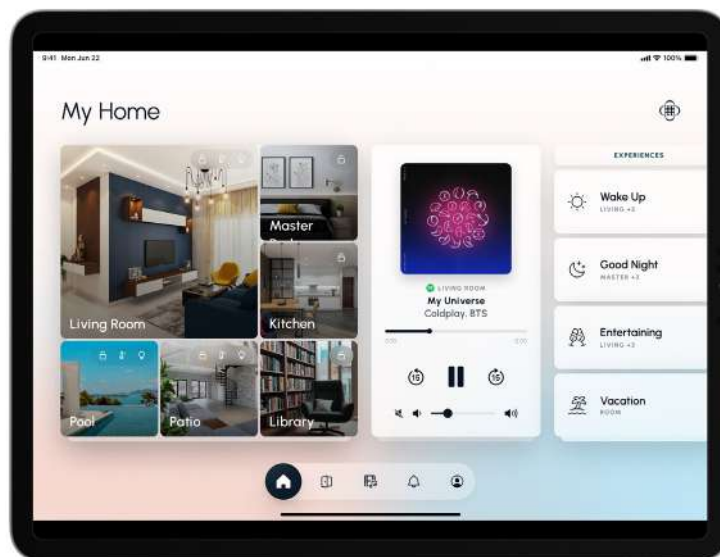
Could you share a list of ongoing or past collaborations with architects, interior designers, System Integrators, or developers for projects where they have used your range?

Over the years we have worked with various professionals and design firms like Nidhi Talib, Kiran Gala, Rajiv Parekh, Rupesh Baid and WOW architects. We have also worked with System Integrators Aditya Khambati, Anusha and Cinespa. Plus, we also collaborated with Soul Story by BT Automation

Bhavesh Doshi CEO & Founder, Entelechy Group Companies and DESIIOT

What smart home solutions does your brand offer for Indian homes, and how do KNX and Casambi ecosystems enhance their functionality?

DESIIOT is a rapidly emerging leader in the smart home and building automation sector. The KNX Association is crucial as it promotes interoperability and energy efficiency in home and building automation. As a KNX IoT startup, we ensure that our future products can integrate with a wide range of devices, enhancing user experience and enabling smarter building management. Similarly, Casambi is a key player in smart lighting control, known for its advanced wireless technology. As a Casambi ecosystem partner, we leverage this technology to enhance our offerings, allowing users to create customised lighting scenarios and improve energy efficiency.

What solutions does DESIIOT offer, and how do they stand out?

The DESIIOT Team specializes in a range of innovative IoT products for smart home and building automation, with our flagship product, the Smart LED Driver, at the forefront. This product is part of a comprehensive suite of connected solutions designed for diverse applications, offering affordable, high-value and high-performance options.

The Smart LED Driver supports connectivity protocols such as Casambi and soon Matter, enabling seamless integration with existing systems. It offers remote management, allowing users to control lighting from anywhere via a mobile app. Additionally, its dynamic dimming feature lets users adjust brightness levels to match their preferences. Scheduling and automation functions promote energy savings and security, while real-time energy monitoring helps optimize usage. The system also provides fault notifications, alerting users to any issues in real-time.

Our connected lighting solutions integrate with occupancy and ambient light sensors

to reduce energy waste. The intuitive mobile and web interfaces ensure easy customisation, while our HVAC and climate control solutions, powered by smart sensors, monitor indoor conditions to maintain optimal temperature and air quality. Remote control features allow users to adjust HVAC settings for greater energy efficiency. Furthermore, our air quality monitoring systems provide real-time data analytics, ensuring a healthy indoor environment. These systems integrate seamlessly with lighting and HVAC, offering a holistic approach to smart home and building management.

Can you elaborate on your collaborations with other brands and manufacturers?

We take pride in our collaborations with leading brands in the smart technology sector, including the KNX Association, Casambi and Logic Machine's Multi-Protocol Cross Standards Gateway. These partnerships enable us to adhere to global standards for home automation, ensuring that our products are compatible with a wide range of devices. The integration with Casambi enhances our Smart LED Driver, providing advanced wireless lighting control capabilities. Additionally, our collaboration with Logic Machine expands the functionality of our IoT solutions, offering robust automation features that help our products meet the evolving needs of modern buildings.

Our technology plays a crucial role in achieving

multiple sustainability goals by enhancing resource efficiency, reducing embodied carbon, and lowering life cycle costs. It also contributes to energy savings and the creation of livable environments. We are committed to advancing sustainability in the built environment by making buildings more energy-efficient and environmentally friendly.

Through these efforts, we aim to support a greener, more sustainable future.

Jayanth Jain, MD & CEO, GM Modular Pvt. Ltd.

What specific solutions does your brand offer for Indian homes? Please elaborate on the technical features and advantages these solutions provide, particularly in the context of their application in specific areas in a home.

GM offers a wide range of smart and innovative solutions designed for Indian homes, enhancing luxury, convenience, and efficiency through

both Retrofit and Integrated Fitting Solutions. The i-Fi PRO Wi-Fi Switches provide a retrofit option for seamless smart home integration without the need for rewiring. The retrofit design fits into existing switch backboxes, and the capacitive touch controls offer smooth, effortless operation. These switches require no additional hubs, gateways, or controllers and are compatible with GM's FourFive range of switch plates for a sleek, modern finish. The solution provides an affordable and hassle-free way to transform any home into a smart home, simplifying everyday tasks with remote access and control. It's ideal for spaces like living rooms, bedrooms, and offices, where personalised settings for lighting control and energy monitoring are essential.
GM brings world-class KNX technology to

Indian homes, offering advanced and reliable smart home automation solutions. Suitable for a wide range of properties, including apartments, villas, penthouses, and row houses, this system integrates contactless controls and voice command features with Google Home and Alexa for seamless operation.
The GM Konnect App, compatible with both iOS and Android, allows users to control their home's automation remotely, even when traveling internationally. The open protocol, supported by over 400 global KNX partners,

ensures access to the latest cutting-edge technology. With comprehensive control over lighting, security, HVAC systems, and other home functions, the system enhances safety, convenience, and energy efficiency. It also provides the flexibility to personalize home environments, whether for home entertainment, mood lighting, or other specific needs.

GM's smart home systems integrate voice control with Google Home and Alexa, allowing hands-free operation of lighting, security, and entertainment. This feature is especially helpful for the elderly or those with mobility challenges, enhancing accessibility and efficiency by automating tasks like adjusting lights or temperature.

Sachin Motawani, Founder, OSUM

What specific solutions does your brand offer for Indian homes? Please elaborate on the technical features and advantages these solutions provide, particularly in the context of their application in specific areas in a home?

OSUM is an Indian brand specializing in smart automation solutions for residential, hospitality, and commercial spaces. Known for its advanced hybrid technology, OSUM combines wired solutions with wireless capabilities to provide stable and flexible home automation systems. This integration allows seamless control of lighting, curtains, audio-visual equipment, and appliances via smartphones or voice assistants.

The OSUM home automation system offers a range of features, such as various types of dimming and scene control, which enhance convenience and energy efficiency. Its non-centralized wiring architecture eliminates the need for a central Distribution Board (DB), making it a cost-effective alternative to other wired automation brands in India.

OSUM smart devices provide several advantages, including ease of control, support for multiple voice assistants, remote access, and sleek, modular switches that integrate seamlessly into home interiors without disrupting aesthetics. By combining wired and wireless solutions, OSUM offers flexibility for system expansion or upgrades, allowing easy integration with existing setups or other platforms.

These benefits make OSUM an ideal solution for modern Indian homes. Its smart devices are designed to integrate effortlessly into various areas of a home, improving functionality and user experience. For example, smart switches and dimmers can be installed in living rooms and bedrooms to control lighting, while curtain

motor controllers are perfect for managing window treatments in any room.

By blending advanced technology, elegant design, and ease of use, OSUM home automation provides a comprehensive solution that enhances lifestyle, improves energy efficiency, and offers peace of mind.

Could you share a list of ongoing or past collaborations with architects, interior designers, System Integrators or Developers for their projects, where they have used your range?

We have had the privilege of working and collaborating with a wide range of esteemed clients and renowned architects on numerous prestigious residential, commercial, and hospitality projects. Some of our notable collaborations include Ar. Bobby Mukherjee's residence and office, along with high-profile projects such as Sky Villa in Ahmedabad, Taj Mansingh in Delhi, Taj Damdama in Gurugram, Taj Lands' End in Mumbai, and Niranta Airport Transit Hotel at T2 International Airport in Mumbai. Additionally, we have contributed to luxury projects like CP 67 Mohali, Roseate Hotel in Delhi, and Hubtown Builder's project at 25 South, as well as the personal residences of their partners, including Divinity and Mr. Rajkumar Gulati's residence. We also collaborated on the Cartier Showroom at Jio World Plaza, BKC, and several prominent residences, including Actress Nusrat Bharucha's home, Ar. Bhavana
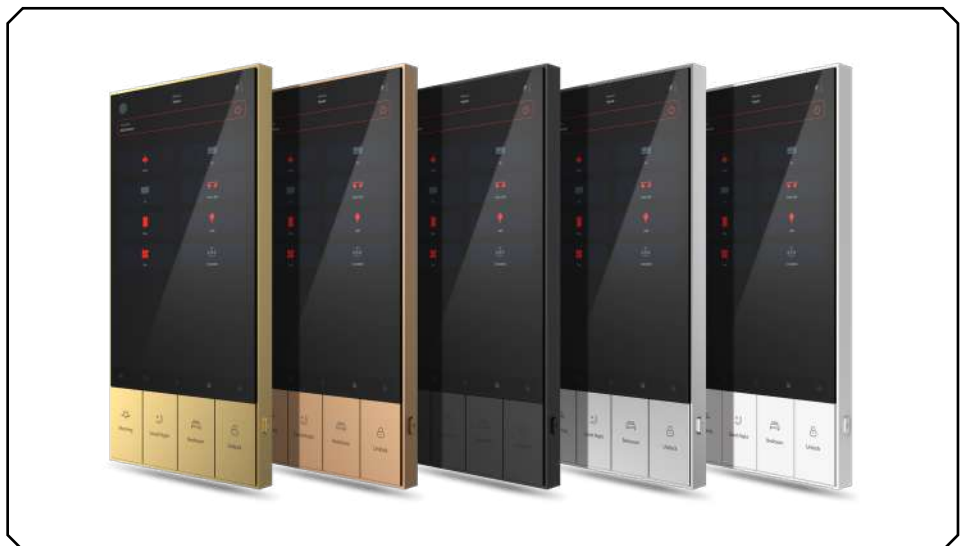
Jacob's work on Mr. Sajid Mitha's residence, and Ar. Aakif Habib's designs for Mrs. Sana Malik's residence. Other significant collaborations include Ar. Amit Porwal's projects for Mr. Vicky Oswal's residence and Mr. Amit Agarwal's residence, as well as Ar. Mustafa Sura's projects at Raheja Viveria, Piramal Tower, and Shreenath's Legacy. We've also worked on Mr. Kapil Pathare's residence, the owner of the VIP brand, and with Ar. Rupande Shah on Mr. Akash Sachdev's residence in Kolkata. Our team collaborated with Aamir & Hameeda Architects on Mr. Sujat Residence and Mr. Teja Residence, and with Ar. Pavan Suryadevara (Clark Llyod Architects) for Mr. Kiran & Mr.

Sravan's residence. Additional collaborations include Ar. Shantilal (Genesis Planners) on Dr. Naresh Skin Clinic, Ar. Sudheer Reddy (Sudheer Reddy Associates) for Mr. Sanjeev Mittal, Ar. Jai Kiran (Shilpalaya Associates) for Mr. Bhaskar's residence, and Tata Consultancy Services Office in Kolkata. We have also worked on Ar. Ravi Jain's office and residence, Mr. Pankaj Agarwal's residence (owner of Indiamart), and ID. Pooja Sahay's office, as well as residences for Mr. Musaddi and Mr. Pranab Koley. These collaborations highlight our expertise and commitment to delivering high-quality, tailored solutions for a diverse array of esteemed clients across various sectors.

Parth Shah, Chief Revenue Officer, SmartNode

What specific solutions does your brand offer for Indian homes? Please elaborate on the technical features and advantages these solutions provide, particularly in the context of their application in specific areas in a home.

Smart Node offers a range of smart home solutions designed to seamlessly integrate into Indian homes, enhancing convenience and comfort while ensuring ease of use for everyone, from children to grandparents. The goal of Smart Node is to elevate the living experience, making it not only smart but also memorable by creating solutions that fit effortlessly into any home.

Smart Switch Solution with Smart Devices:

Smart Node's smart device converts regular switches into smart switches, allowing users to control and operate them via mobile devices or major voice assistants like Google Home, Alexa, and Siri. This provides greater convenience and control over everyday appliances.

Aesthetically Designed Touch Switches: For those seeking a modern, luxurious look, Smart Node's Smart Touch Panels offer a wide range of materials such as wood, marble, glass, and acrylic. These panels can be customized with personalized icons and colors, blending sophistication with functionality.

Switch Mirroring: This solution allows users to control multiple touch panels with a single smart device, providing the convenience of managing room appliances from different locations within the home.

Dimming & Tuning: Smart Node's Dimming

and Tuning solution lets users adjust the light intensity and tone to create the perfect ambiance for any occasion, enhancing the look and feel of the home.

Human-Centric Lighting: This solution mimics natural sunlight throughout the day, improving the atmosphere in the home while positively impacting mood and productivity.

Precise Curtain Control: With curtain automation, Smart Node's system allows users to control curtains with precision, giving real-time feedback on their open or closed state for a perfect blend of style and convenience.

Scene Control: This advanced home automation feature allows users to group and synchronize appliances across the home, enabling convenient, one-touch control of all devices for a seamless living experience.

Universal Remote Control: Smart Node's Universal Remote Control solution lets users manage any IR-based appliance from a single device, eliminating the need for multiple remotes and simplifying the control system.

Voice Control: The easiest way to control a home is by voice. Smart Node's solutions are compatible with major voice assistants like Google Home, Alexa, and Siri, allowing users to control appliances and systems with just a voice command.

These are few solutions which Smart Node gives; all of these solutions are designed to offer the ultimate in convenience, luxury, and ease of use, bringing the best of smart living into every Indian home.

Could you share a list of ongoing or past collaborations with architects, interior designers, or developers for projects, where they are used in your range?

As a leading innovator in the home automation space, Smart Node has witnessed an increasing demand for connected and automated homes. As a result, many builders have started offering Smart Home solutions as an amenity, and architects and interior designers are incorporating these solutions into their designs to create more comfortable and efficient spaces for their clients.

Smart Node's solutions have been successfully implemented in several prominent projects and developments across India. Notable developers and projects include Shubhashish Homes in Jaipur, Pride Purple Group and VTP Realty in Pune, Aquarius Engineers in Ahmedabad, Samudhura in Bangalore, and Vyapti Group in Ahmedabad. These collaborations highlight the widespread adoption of Smart Node's innovative solutions in enhancing the efficiency and sustainability of various real estate developments.

These are just a few of the esteemed developer clients who have successfully integrated home automation into their high-end projects, enhancing their offerings with Smart Node's innovative solutions.

Nilesh Kane, Chief Distribution, (Mumbai Operations), TATA Power

What specific solutions does Tata Power EZ Home offer for Indian homes? Could you elaborate on the technical features and advantages of these solutions, particularly in their application within different areas of a home?

Tata Power's foray into home automation through Tata Power EZ Home is driven by a bold vision to transform how Indian homeowners interact with their energy consumption. We go beyond offering products; we deliver a seamless ecosystem of IoT-based smart home solutions designed to enhance energy efficiency, lifestyle convenience, and sustainability.

Our portfolio includes premium retrofit solutions like Smart Touch Switches, motion sensors, and sensor-based lights, which enable effortless control over appliances and lights through a mobile app or voice assistants. A standout product is our Elixir Glass Touch Panels, tailored for premium customers with customizable configurations and a sophisticated design aesthetic. These solutions require no rewiring or wall modifications, making them easily integrable into existing homes.

In urban society, where nuclear families are the norm, many of us live away from our homes, parents, and loved ones. Working parents often have to leave their little ones at home in the care of nannies. To support customers who may need assistance during emergencies, Tata

Power EZ Home has introduced new security products such as the Smart Wi-Fi-based SOS Panic Button and Gas Leak Detector. In case of an emergency, these devices send a trigger notification and call the nearest person to provide immediate assistance.

Tata Power EZ Home's recent patented innovation, the Retrofittable Infrared Chip for Air Conditioners, transforms any AC into a smart appliance. This technology, compatible across OEMs, empowers homeowners to manage cooling systems efficiently, reducing energy waste and enhancing convenience.

With a secure, encrypted IoT ecosystem, Tata Power EZ Home ensures that our solutions not only make life smarter but also safeguard data privacy.

Could you share some ongoing or past collaborations with architects, interior designers, system integrators, or developers where Tata Power EZ Home solutions have been used?

Collaborations are at the core of Tata Power EZ Home's growth story. We have partnered with architects, interior designers, system integrators, and developers to embed our solutions into various high-value projects.

For instance, we've collaborated with architects to design sustainable, technology-driven living spaces that redefine modern homes. Interior designers have integrated our Elixir Glass Touch Panels into premium luxury interiors, creating an aesthetic that aligns with upscale lifestyles while offering unmatched functionality.

Our partnerships with developers include equipping residential townships and premium housing projects with smart home automation solutions. For example, in a luxury villa project in Bengaluru, we installed a suite of smart devices, including lighting solutions and energy monitoring systems.

Similarly we have worked with renowned developers to integrate smart switches and centralized control hubs, in Delhi NCR, Mumbai, Pune, Hyderabad, Coimbatore, Surat.

These collaborations demonstrate how Tata Power EZ Home bridges the gap between technology, design, and sustainability, delivering homes that are not just smart but future-ready.

BRAND OFFERINGS

JR Automation Technology Pvt Ltd

JR Automation Technology Pvt Ltd is India's leading manufacturer of customizable smart touch panels. Their range of smart touch panels is compatible with various technologies, including Z-Wave (NEON), Wi-Fi (XEON), proprietary controllers (ONE), and Bluetooth SIG mesh (BLE) (LOFT), available in modules of 2, 4, 6, 8, and 12. The company ensures that its panels are easily retrofitted to integrate seamlessly with existing electrical systems.

Built using premium glass and frames, the smart touch panels are also available in a frameless design. They come in multiple colour options to complement any interior decor. JR's smart touch panels offer a range of control methods, including feather touch, app control, Wi-Fi, and voice commands, making home automation easier to manage.

The panels feature advanced functionalities such as fan dimming, light dimming, heavy load switching, and curtain and blind control. Users can schedule lighting, fans, and other devices, and create personalized scenarios through the JR Home app. With these smart touch panels, customers can create a comfortable and secure smart home.

JR Automation Technology prioritizes high-quality products that cater to the needs of their customers. Their smart touch panels are designed for durability and efficient home automation. The company focuses on making advanced technology accessible and user-friendly, ensuring that their products meet the demands of both tech-savvy homeowners and businesses seeking the latest smart technology solutions.

Unwired Connect (UWC)

India is on the brink of a smart home revolution, driven by increasing urbanization, better internet connectivity, and the rising demand for convenience and efficiency in daily living. While global giants like Amazon, Google, and Apple have captured the market with their advanced technologies, Indian brands are taking bold strides to develop solutions tailored to the unique needs of Indian households. At the forefront of this innovation is Unwired Connect (UWC), a pioneer in wireless automation solutions designed for the Indian landscape.

Unwired Connect offers a wide range of wireless automation solutions for residential applications, seamlessly combining advanced technology with practicality and ease of use. Their Wireless Lighting Control system allows independent device communication without the need for a centralized controller, providing flexibility and convenience. It includes advanced features such as flicker-free dimming (up to 1%) and the ability to convert non-dimmable lights into dimmable ones. Additionally, it enables seamless control of tunable lights, including RGB and RGBW options, allowing users to personalize their lighting ambiance.

The Integrated Device Management feature enhances convenience and security by enabling the control of gates, shutters, and curtain motors. It also offers compatibility with devices that use IR remotes, such as air conditioners and TVs, allowing users to consolidate control into a single app. Unwired Connect's Energy-Efficient Automation system includes scheduling, grouping, and scene creation features to optimize energy consumption. Furthermore, integration with voice assistants like Alexa, Google Assistant, and Siri makes it easier for users to execute commands effortlessly.

Unwired Connect's solutions are designed to work with existing wiring and switches, making them easy to integrate into both new and retrofit projects without requiring special wiring. The technology also boasts several key technical features, including Bluetooth Low Energy (BLE) for reliable and energy-efficient communication and Self-Healing Mesh Technology, which ensures uninterrupted performance by rerouting signals automatically if a fixture fails. These solutions are user-friendly, with control accessible via smartphones, tablets, or wireless wall keypads. Additionally, Unwired Connect's focus on sustainability aligns with the global shift towards greener technologies, promoting energy efficiency and reducing waste.

Unwired Connect has formed strategic

partnerships with leading brands and manufacturers to bring its innovative solutions to life. These collaborations include partnerships with premium lighting manufacturers to integrate UWC's wireless automation solutions into high-end fixtures and with Casambi to manufacture Casambi-ready products, making Unwired Connect the only company in India to achieve this milestone.

UWC's solutions are ideally suited for Indian homes due to their localization, affordability, and scalability. Designed to address specific challenges such as power fluctuations and multilingual support, these products are priced competitively without compromising on quality, making smart home technologies more accessible to a wider audience. Furthermore, the scalability of their solutions ensures they can be easily adapted for apartments, villas, or gated communities, making Unwired Connect an ideal choice for the growing demand for smart home technologies in India.
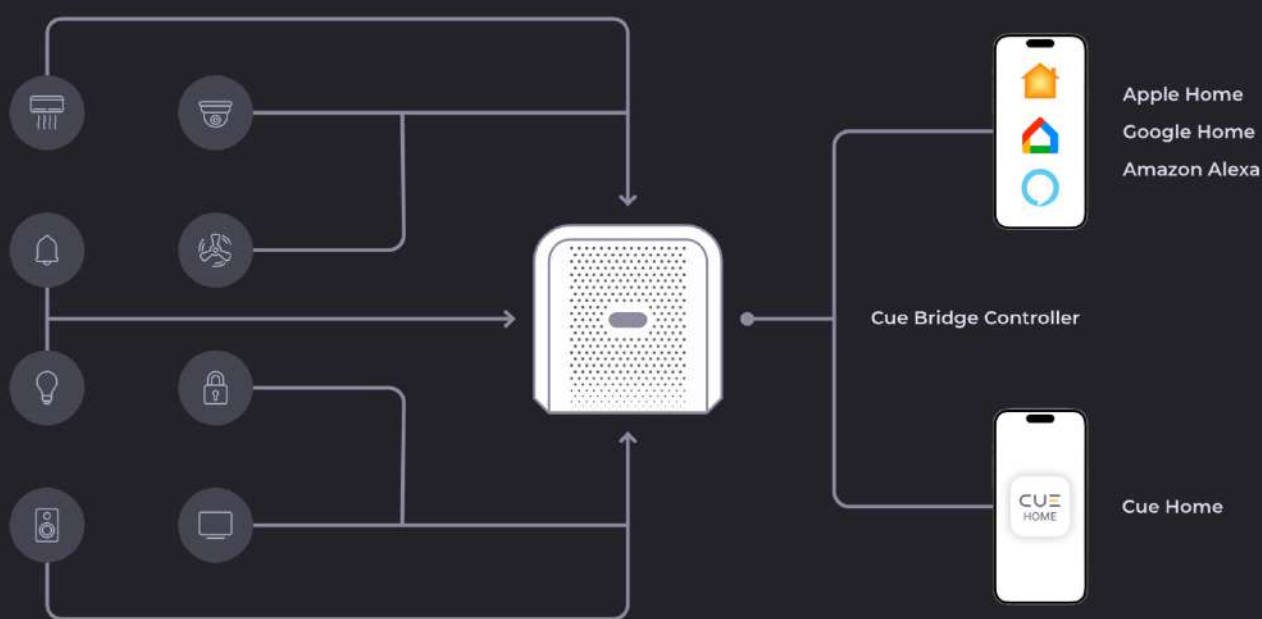
Cue Home

Cue Home is revolutionizing the smart home landscape in India by addressing a key challenge: limited support for Apple Home. Serving as a vital bridge, Cue Home integrates numerous global and local brands into the Apple Home ecosystem, enabling users to experience seamless connectivity across a variety of devices. For brands lacking native Apple Home compatibility, Cue Home works closely with them to ensure smooth integration, bringing Apple's smart home experience to users across India.

The forthcoming integration of HomeKit Secure Video will further enhance this experience. This feature will allow users to view CCTV footage securely through the Apple Home app, record footage directly to iCloud, and receive intelligent alerts for critical activities—all powered by Apple's advanced analytics. While many CCTV brands in India do not natively support this feature, Cue Home makes it possible for users to incorporate it into their existing setups, opening new possibilities for smarter, more secure living.

Cue Home is also advancing the Cue Desk, its proprietary system designed to simplify and streamline the integration process. Cue Desk helps integrators reduce the time spent on
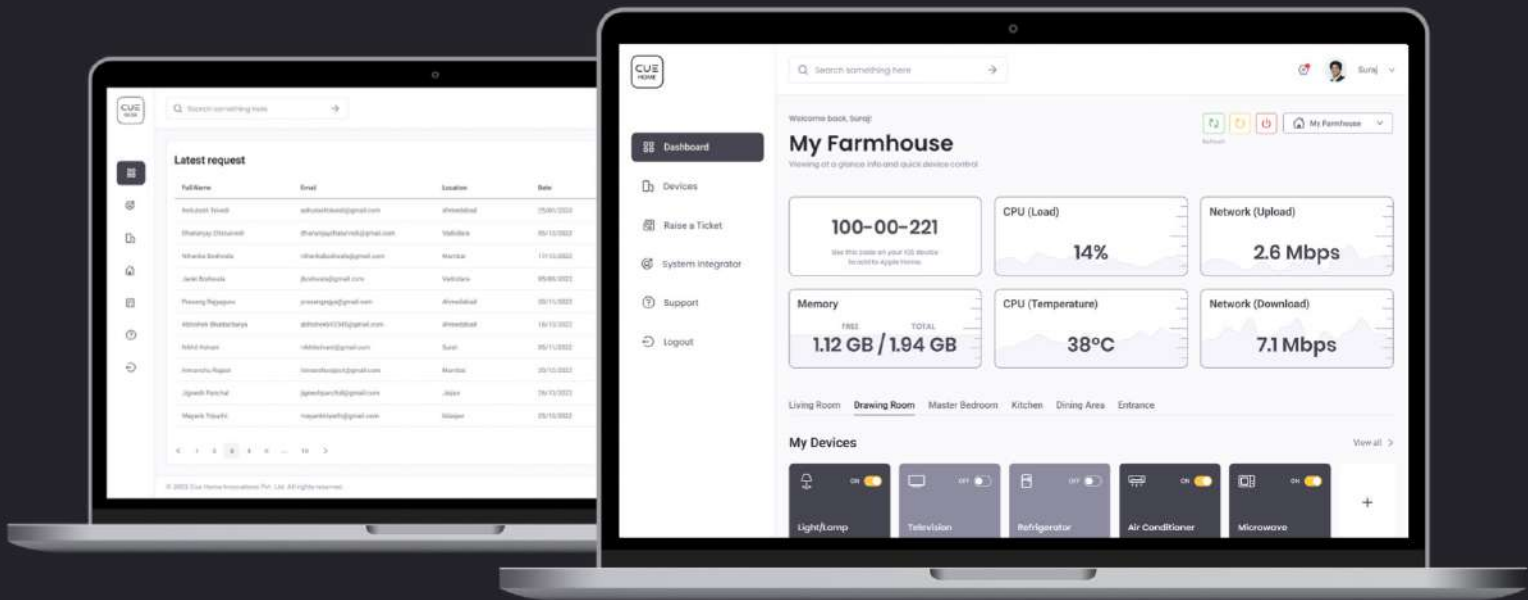
complex technology setups, allowing them to focus more on customer consultations and delivering an exceptional user experience. As the demand for faster, high-quality project completion grows, Cue Desk is positioned to meet this need, helping integrators offer greater value to clients while maintaining top-tier standards of quality and service.

Privacy and security are central to Cue Home's mission. Unlike other systems that route data through multiple cloud services, Cue Home minimizes data exposure wherever possible. The company is working on solutions that allow users to interact with their smart devices via Google Home and Alexa without involving third-party services or even Cue's own cloud, ensuring that user data remains secure.

Cue Home is at the forefront of adopting the Matter Standard, a global initiative to ensure seamless interoperability across devices. As an active member of the Connectivity Standards Alliance (CSA), Cue Home is committed to incorporating this standard into its solutions, ensuring compatibility with a broad range of products. Matter's broader applications will provide users with greater flexibility and confidence in their smart home systems.

"Unlike Apple HomeKit, Matter supports a wider range of applications, which is why it

is essential for us to deliver a robust system that supports a diverse array of products," says Harnish Thakkar, Founder of Cue Home Innovation Labs. He further adds, "We've been rigorously testing Matter, and once ready, it will be rolled out as an over-the-air update, enabling new and existing users to benefit from this advancement seamlessly."

As we conclude this article, where experts and brands have shared their valuable insights on `Made for India' Smart Home Technology solutions, it's clear that the future prospects for the smart home technology sector appear promising. For homeowners, the increasing accessibility and customization of smart home solutions promise a future where technology will play an even greater role in enhancing comfort, convenience, and security. With the ongoing development of affordable, reliable, and easy-to-use solutions, the dream of a fully connected, intelligent home is becoming a reality for millions across India.

In conclusion, the Made for India smart home revolution is just getting started. With continued innovation, local expertise, and an ever-growing commitment to meeting the unique demands of Indian households, the future looks not only brighter but also more inclusive, efficient, and interconnected for all.

Residential Smart Lighting and Best Practices

Smart Home World gives you an update on the Residential Smart Lighting Trends and Best Practices that will be shaping the future preferences of homeowners and professionals alike. Read on to know more...

As we step into 2025 on a positive note, imagine a home where your lights adjust seamlessly to your needs, creating the perfect ambiance with just a tap or a voice command. While homeowners were once skeptical about smart lighting, today, with a variety of brands offering incredible convenience and ease of use, it has become the preferred choice

for many. What was once a novelty is now a necessity in modern homes, providing both comfort and efficiency with effortless control at your fingertips.

In the past decade, technological innovations in voice control, automation and adaptive lighting have transformed how we interact with

availability of affordable options, improved technology, and a growing focus on health, security and sustainability, smart lighting will continue to transform the way we illuminate our homes.

Human-centric lighting is poised to grow in popularity, as there is a growing concern for health and well-being. Leading manufacturers like Lutron and Signify are at the forefront of this innovation, developing smart lighting systems that can be programmed to shift colour temperature automatically, promoting optimal lighting conditions for various activities and times of the day. Brands like Wipro Smart Lights, Philips Hue, Havells and Crompton are leading the way in offering human-centric lighting solutions, with products designed to create more comfortable, healthy, and productive spaces.

The Evolution of Smart Lighting Systems

These intelligent lighting solutions now integrate seamlessly with voice-controlled assistants like Amazon Alexa, Google Assistant, and Apple Siri, providing users with a hands-free, customizable lighting experience. Additionally, these systems are increasingly responsive to ambient conditions, such as adjusting brightness based on natural daylight or changing the colour of the light to match the mood or activity.

Brands such as Philips Hue, LIFX, and Syska Smart LED Lights offer a wide range of solutions. These products cater to residential spaces, providing advanced features like colour-changing capabilities, scheduling, geofencing, and integration with home automation systems. Indian brands like Wipro and Bajaj are also making strides in the smart lighting space, delivering affordable and efficient solutions.

our home environments. These advancements are not just about enhancing convenience; they are fundamentally reshaping how homes function to make them more comfortable, energy-efficient, and secure. Together, these technologies create an integrated smart home experience that improves the quality of life for residents, while also addressing growing concerns about energy use and safety.

According to various Market Research Reports, the Residential Smart Lighting industry is expected to maintain a strong growth trajectory in the coming years, with a projected CAGR of 25-30%. As consumers increasingly embrace the benefits of connected, energy-efficient, and personalised lighting solutions, the market is poised for continued expansion, both in India and globally. With greater

Another important factor is the growing demand to be Sustainable in the coming years, with environmental concerns influencing nearly every aspect of lighting design. LED technology remains the gold standard for energy efficiency, offering users solutions that reduce energy consumption and lower carbon footprints.

Growing Demand of App Control and Security Integration

Enhancing User Experience in Residential Lighting Interoperability with multiple third-party control platforms is a key feature of today's smart lighting systems and controls. Homeowners now expect residential lighting controls to integrate with apps that offer robust customization. These apps should provide owners and installers with the capability to create and set schedules, customize settings such as brightness and motion detection, receive real-time alerts, and view a dashboard of connected devices' controls and status.

Key Technological Advancements in Smart Lighting

Voice Control has become one of the cornerstones of modern smart lighting systems. Leading brands such as Philips Hue, Lutron Caseta, and Nanoleaf have integrated their products with popular voice assistants like Amazon Alexa, Google Assistant, and Apple Siri, enabling users to control their lighting with simple voice commands. From turning lights on or off to adjusting brightness or color temperature, voice commands offer a hands-free solution that enhances user convenience.

Automation and Scheduling

Automation has revolutionized how we approach lighting design. Smart lighting systems like Lutron's Caseta Wireless or Wiz Smart Lighting allow users to set lighting schedules, so lights automatically adjust based on the time of day or activities. For example, lights can be programmed to gradually brighten in the morning to simulate natural sunlight, improving users' wake-up routines. Similarly, as the day transitions to evening, lights can automatically dim to create a more relaxed atmosphere.

These automated capabilities also extend to motion sensors, which detect occupancy and adjust lighting accordingly. Philips Hue Motion Sensors and Ecobee's Smart Light system, for instance, ensure that lights are only on when needed, further enhancing both energy efficiency and convenience.

For businesses looking to offer smart lighting solutions, emphasizing the automation features of these systems can be a strong value proposition. Clients will appreciate the seamless integration into their daily routines and the added energy-saving benefits.

Adaptive Lighting and Personalization

Adaptive lighting, also known as circadian lighting, adjusts the light temperature based on the time of day, mimicking natural sunlight patterns to help improve the well-being and productivity of homeowners. Leading brands like Lutron and Casambi have developed smart lighting systems that offer color temperature adjustment, allowing users to shift between warm and cool lighting tones based on the time of day, promoting better sleep cycles and increasing alertness during work hours.

Expert Views

Dr. Amardeep M. Dugar, Founder, Lighting Research & Design

What are some of the key advancements in smart lighting technologies that have had the most impact on residential spaces?

Key advancements in smart lighting technologies that have significantly impacted residential spaces include the ability to control lighting remotely via smartphone apps, and the incorporation of voice-activated assistants like Amazon Alexa, Apple Siri and Google Assistant. Furthermore, the development of smart sensors that adjust brightness based on occupancy and ambient light conditions enhances convenience and energy savings. Additionally, tunable white and RGBW LED options allow for customized colour temperatures and moods, making lighting more versatile and user-friendly in home environments.

How does voice control contribute to the convenience and accessibility of smart lighting in homes?

Voice control significantly enhances the convenience and accessibility of smart lighting in homes by allowing users to easily adjust lighting settings without the need for physical switches or smartphone Apps. This hands-free interaction is particularly beneficial for individuals with mobility challenges or disabilities, enabling them to control their environment effortlessly. Voice commands can be used to turn lights On or Off, change colours, dim brightness, or create specific lighting scenes, all of which can be done from anywhere in the house. This seamless integration into daily routines not only simplifies user experiences but also promotes greater energy efficiency and smart home automation.

Can you suggest specific lighting controls or technologies that can help reduce energy consumption, such as motion sensors or daylight harvesting?

Technologies such as motion sensors that automatically turn lights On or Off based on occupancy, and daylight harvesting systems that adjust electric lighting based on the amount of natural light available can help reduce energy consumption in homes. Additionally, smart dimmers and smart bulbs allow for remote control and scheduling, optimizing energy use. Although LED lighting itself is more energy-efficient and longer-lasting compared to traditional bulbs, programmable timers can also be used to ensure lights are only on when needed. Combining these technologies can significantly lower energy consumption and enhance convenience.

What are the key advantages of using customizable lighting in residential design? How do smart lighting systems support personalization of lighting scenes for different activities (e.g., reading, movie watching, or dining)?

Customizable lighting in residential design offers several key advantages, including energy efficiency, enhanced ambiance, and increased functionality tailored to specific activities. Smart lighting systems facilitate this personalization by allowing users to easily adjust brightness, colour, and scene settings through apps or voice commands. For instance, users can create a warm, dimmed ambiance for movie watching; bright, focused lighting for reading; or soft, inviting tones for dining, all of which can be pre-set and activated with a single command, enhancing convenience and elevating the overall living experience.

How do you envision the role of AI and machine learning evolving in the context of smart lighting? Will these technologies be able to predict user behaviour and adjust lighting based on personal habits or preferences?

AI and machine learning are poised to significantly enhance smart lighting systems by enabling them to learn and adapt to user behaviour over time.

Through data analysis of individual habits, such as room occupancy patterns, time of day,

and user preferences, these technologies can predict user needs and automatically adjust lighting settings for optimal comfort and energy efficiency. This evolution may include personalized lighting scenarios, such as dimming or colour changes based on specific activities (like reading or watching a movie), ultimately creating a seamless and intuitive user experience.

Tajender Kalsi, Md, The Luminar

What are some of the key advancements in smart lighting technologies that have had the most impact on residential spaces?

Adaptive lighting, tunable white technology, and seamless integration with voice assistants and Mobile Integrated have revolutionized residential lighting, offering greater personalization and energy efficiency.

How does voice control contribute to the convenience and accessibility of smart lighting in homes?

Voice control simplifies lighting adjustments, providing hands-free operation and enhanced accessibility for all users.

Can you suggest specific lighting controls or technologies that can help reduce energy consumption, such as motion sensors or daylight harvesting?

Motion sensors and daylight harvesting systems are excellent for minimizing energy usage by automatically adjusting lighting based on occupancy and Dimming System, natural light.

What are the key advantages of using customizable lighting in residential design? How do smart lighting systems support personalisation of lighting scenes for different activities?

Customizable lighting creates tailored environments, with smart systems enabling preset scenes for activities like reading or dining.

How do you envision the role of AI and machine learning evolving in the context of smart lighting?

AI will enable lighting systems to learn user habits and automatically adjust settings, enhancing convenience and efficiency.

Joseph R C, Manager, Automation Division, Goldmedal Electricals Pvt. Ltd.

What technological advancements or consumer demands are shaping the future of smart lighting in homes?

Smart Homes market is moving at a brisk pace with each passing day. Most of the new entrants in this field are coming out with wireless solutions. The customer has many options to choose from and this has brought down the prices drastically. Most of the new-age clients look for Voice control with CCT Tunable and RGB control. The market is flooded with Chinese Imports with everyone trying to get the maximum out of this boom. The trend is moving towards Smart Drivers and Wireless Keypads for the fact that the wiring more or less remains the same. This opens up the market as every home can now become a smart home.

What unique customization features does your smart lighting system offer? How do these features enhance user experience and satisfaction?

Previously, homeowners had to rely on separate screens for door phone communication and central control of their smart home, making it challenging to integrate these two distinct technologies. Now, with the introduction of a common panel, all of these functions can be seamlessly managed from a single device.

This unified platform offers multiple advantages, including the integration of smart home systems like KNX, ZIGBEE, and MATTER, as well as video door phones, allowing for easy communication and control. It also supports voice control through SIRI, Alexa, or Google Home, provides access control, integrates security functions, and allows for mobile app control.

What once required multiple devices to operate can now be monitored, controlled, and integrated through a single touch screen, with everything conveniently accessible via a single mobile app.

Are there particular features (e.g., sensors, schedules) that users can use in your range to achieve optimal energy efficiency?

Once we have all the smart home parameters on

a single Platform controlling and monitoring the home is just a click away.

Sensors can now become more powerful as the same sensor can be used both for Lighting as well as security functions. Same Sensor can work with IFTT and depending on the time of the Day when the movement is detected we can trigger different scene settings.

Schedules can also become smart and use the sensor as input. One such example, we schedule our Entry foyer and living cove lights to switch ON at Sunset. Now if the Living sensor does not detect movement, this schedule will be put on Hold as No one is present in the House. Once the Sensor detects movement this schedule is switched On.

When a Guest presses the Door Phone Button, the Outdoor Lights can be brightened to welcome the Guest. This saves the need to add a sensor outside the Door for this Function.

Many such Automation features can be triggered and based on the requirements of the clients these can be programmed to achieve a good sustainable living.

What role do voice control and automation play in your smart lighting systems?

Voice control is used more by the new age smart home users, which helps in controlling the system more easily with Alexa being the most in-demand and SIRI being the most Secure. The advantage we have with our system is that the clients get the option to use either Siri or Google home or Alexa. The android lovers opt for Alexa and Apple Lover choose SIRI.

How do you ensure seamless integration with platforms like Amazon Alexa, Google Assistant, and Apple Home Kit for effortless control of lighting?

The advantage with GOLDMEDAL is that in our system the clients get the option to use either Siri or Google home or Alexa. All 3 options can be integrated using the same Single device and can be done at same time with one person in the family using ALEXA and another using SIRI.

Can you explain how motion sensors, adaptive lighting, and geofencing work in your products to enhance user convenience?

Geo-fencing can be used with our system to open the Gates of the villa or Switch on a Scene (lighting, AC, Curtain, Music) when the person enters the premises of his home. Sensors can be used only to Turn the Lighting On but Also to trigger Security Alarms when the system is Armed. Smoke and Gas leak detectors can be easily add to our system to make it a safer place for the Family.

What innovations in smart lighting are you most excited about, and how do you see them evolving over the next 5-10 years?

Our Touch Panels can now integrate Video Door Phones and has built in SIP based Communications. Biggest advantage is for Clients with Kids. Now Clients can call the Panels mounted on Walls and have a video Call to check the children once they return from School. Children can also call their Parents from the Panels in case the need to talk to their Parents. What's more both parents can have a have a Conference call and listen to their stories from School, all with just a click.

The smart Home market is growing fast. Earlier we needed centralised Wiring and Controllers and Dimmers, then we moved ahead with Wireless controls and we now move toward smart Drivers and controls. In the future all we will need is Lighting that come with Smart Drivers, Just power and control them. Any brand any make everything on One universal platform using MATTER. I am sure this will come true in a year or two.

BRAND AND OFFERINGS

Singify's NatureConnect is designed to mimic natural daylight, NatureConnect replicates a view of the sky with lighting scenes that boost energy levels and help windowless spaces feel connected to nature. This innovative lighting solution transforms indoor spaces into productive, inspiring, and relaxing environments. With its daylight effect and sky-like ambiance, NatureConnect skylights enhance the feeling of spaciousness and offer an instant upgrade to your living or work areas.

Philips Wiz Smart LED Desk Lamp is a cutting-edge lighting solution that seamlessly fits into your modern lifestyle. Sleek and versatile, this desk lamp offers customizable lighting to enhance your workspace, and with Wiz & Wi-Fi connectivity, it allows you to control the light from anywhere using your smartphone or tablet, bringing both convenience and ambiance to your daily routine.

Philips Wiz Smart Wi-Fi LED Hero Desk Lamp to elevate your home lighting experience with the Philips Smart Wi-Fi LED Hero Table Lamp. With its subtle, rounded design, this lamp complements any décor while offering vibrant colors and smart features that allow you to control your lighting preferences easily. It's a perfect addition to any living space, combining functionality with style.

Philips Smart Wi-Fi Floor Lamp enhances the ambiance of any room with the Philips Smart Wi-Fi Floor Lamp. Its sleek, minimalist design seamlessly integrates into any décor style. With the ability to choose from 16 million colors, you can easily customize the lighting to suit your mood or occasion, creating the ideal atmosphere for every moment.

Philips Wiz Smart Wi-Fi Plug allows you to control your devices remotely via the Wiz app on your smartphone or tablet. With Wi-Fi connectivity, you can turn devices on or off, set schedules, and monitor energy usage, helping you save on electricity bills. Compatible with Amazon Alexa and Google Assistant, the plug also supports voice commands for hands-free control.

Philips Smart WiFi LED Bulb brings the power of smart lighting into your home with the Philips Smart WiFi LED Bulb. Offering 16 million colors to choose from, this versatile bulb lets you customize the lighting to create the perfect ambiance for any occasion. Controlled effortlessly via your mobile device, it integrates seamlessly with Amazon Alexa, Google Home, and other voice control systems for convenient, hands-free operation.

Philips Smart WiFi LED Downlight are designed for optimal home illumination, Philips Smart WiFi LED Downlights provide a range of dimmable shades, from warm, cozy lighting to cool, invigorating white light. With Wiz-connected technology, these downlights allow you to explore preset lighting modes that suit different moods and activities. Whether you're winding down for relaxation or need focused lighting for work or reading, these downlights offer the flexibility you need for any occasion.

Crompton Greaves Consumer Electricals Limited

Crompton Greaves Consumer Electricals Limited has introduced the **Trio Range of Lights**, a premium collection designed to enhance both the aesthetics and functionality of modern living spaces. This innovative range offers three distinct lighting experiences from a single product, making it ideal for various settings such as homes, hotels, restaurants, cafés, and small offices. The Trio Range combines style and versatility, providing adaptable lighting solutions for every occasion. With the ability to switch between **Cool, Warm, and Natural light modes** at the touch of a button, it caters to a range of activities, whether for work, relaxation, or social gatherings. The versatile design includes modes like **Work Mode** for focused productivity, **Warm Indirect Light** for unwinding, and a **Hybrid Mode** combining both for vibrant social settings.

The Trio Range includes three key products: the **Trio 15W LED Ceiling Light**, which features three modes — **Theatre Mode, Work Mode**, and **Party Mode** — offering tailored lighting for any mood or activity. Priced at ₹1,400, this ceiling

light is designed to bring premium aesthetics to any space. The **Trio 22W LED Batten Light**, is another standout product, providing vibrant lighting for various occasions, while also offering three distinct modes to create the perfect ambiance. Lastly, the **Trio 12W LED Lamp**, offers 100% illumination capability for lamp shades and wall lights, along with up and down lighting options, making it perfect for both personal and professional spaces. It also includes the same three modes — **Theatre, Work**, and Party — for ultimate versatility.

Goldmedal

Goldmedal's Falcon LED Downlight is designed to enhance your space with both style and functionality. This high-performance fixture not only offers superior lighting but also minimizes electricity consumption, making it a smart choice for modern, energy-efficient homes and businesses. Crafted with a durable powder-coated aluminum die-cast housing and an anti-glare diffuser, the Falcon downlight ensures optimal lighting while reducing eye strain. The separate current driver simplifies installation, while the polycarbonate gun-black reflector creates a low-glare effect, providing a comfortable and visually pleasing ambiance.

Available in three color temperature variants — **Warm White, Neutral White**, and **Cool Daylight** — the Falcon downlight can be easily adjusted to meet the lighting needs of any space. Whether it's for creating a cozy atmosphere in a living room, enhancing productivity in an office, or setting the right

mood in restaurants and retail spaces, the Falcon LED Downlight seamlessly integrates with various architectural styles and offers versatile lighting solutions for everyday use.

Hafele

Hafele's Loox5 encapsulates the essence of four generations of lighting systems that have redefined home ambiance and ergonomics over the last 10 years. With its high-quality LEDs, the Loox5 system provides accentuated illumination to every desired nook and corner. It impresses with assembly that easily integrates in furniture production processes, smart and easy-to-use light control, and its connectivity to third-party systems.

Continuing with innovations in the furniture lighting space, Hafele introduces the new Glass Edge Profiles under the 7108 product family of the Loox5 range. Sporting high-quality polycarbonate opal diffusers that do not turn yellow over time, these profiles deliver an effortless light diffusion. Enabling a seamless lighting experience is the profile length of 2000 mm which offers light output without any discontinuities even when installing over longer lengths. Easy to install and use, these lightweight polycarbonate profiles are your complete solution for elevated aesthetics across your furniture.

As we look toward the future, the continued evolution of smart lighting promises even greater innovations in convenience, efficiency, and sustainability. With seamless integration of voice control, adaptive lighting, automation, and security, homes are becoming more intuitive, personalized, and responsive to our needs. These advancements not only enhance our daily lives but are the way forward, making our lives more comfortable, secure, and sustainable in the coming years.

"We Also Provide Network Server Solutions That Can Support up to 2000 Cameras, Ideal for Large Facilities."

Pushkar Gokhale

EVP and Business Head, Security Solutions Business, Godrej & Boyce

Pushkar Gokhale leads the Security Solutions business at Godrej & Boyce, overseeing a wide range of cutting-edge products that safeguard homes, businesses, and critical infrastructures both in India and internationally. Under his leadership, the division has continually pushed the boundaries of innovation, offering a comprehensive portfolio that includes advanced surveillance systems, access control, fire-resistant safes, and more. With a commitment to quality, smart connectivity, and customer-centric solutions, Godrej Security stands as a trusted leader in the surveillance industry, serving prestigious clients across sectors like banking, defence, and infrastructure. In an exclusive interview with Smart Home World, he discusses the USP of their range, the technical support they provide to users, and more...

Can you provide a brief overview of Godrej Security and its range of surveillance products?

The Security Solutions business of Godrej & Boyce, part of the Godrej Enterprises Group, is a key player in the security industry, offering a wide array of surveillance and security products. The company has evolved into a holistic organization offering security products, protecting millions of homes and businesses both in India and internationally. Our product range includes advanced surveillance systems, CCTV Cameras, access control, alarm systems, fire and burglar-resistant safes, anti-intrusion fogging devices, gold testing machines, Currency counting machines and more. We also specialize in products for sectors like banking, marine, and Defence, along with Premises security solutions such as blocking bollards, G Scan poles and under-vehicle surveillance systems. Our commitment to innovation and quality has earned

us the trust of prestigious institutions like the Taj Mahal, IIM Jammu, BPCL's locations across India and Adani Airports, the Atal Setu bridge in Mumbai, CM House, Raipur, ISRO's Satish Dhawan Space center, along other projects through our cutting-edge, integrated solutions, we continue to secure critical infrastructures and enhance safety for our clients.

What distinguishes Godrej Security from its competitors in the surveillance industry?

The Security Solutions business of Godrej distinguishes itself through a harmonious blend of legacy, innovation, and a comprehensive product portfolio. With a heritage spanning over a century, we have cultivated a reputation for trust and reliability that few can match. Our extensive range of solutions caters to a diverse array of security solution needs, from residential surveillance to large-scale institutional systems, ensuring we remain a one-stop solution for our clients. We are committed to end-to-end security solutions that comprise smart connectivity, motion tracking, humanoid detection and

advanced night vision—into our offerings, providing unparalleled security and operational efficiency. Furthermore, our standing in the industry is reinforced by numerous accolades, including the prestigious Superbrand status, which attests to our unwavering dedication to quality and excellence. In a competitive landscape, it is this confluence of tradition, innovation, and breadth of capability that positions Godrej Security Solutions as a leader in the surveillance industry.

Can you share the unique selling points (USPs) of popular products like the Ace Pro Dual Lens and Ace Promini PT?

Our product portfolio includes a varied range of innovative products that redefine modern surveillance. The Ace Pro 4G Dual Lens stands out with its dual-lens technology, offering comprehensive multi-angle coverage, while its 4G connectivity ensures seamless real-time video streaming and remote access. This model is equipped with smart detection features like humanoid detection, significantly reducing false alarms. It also supports up to 256GB of storage, includes a two-way talk feature for

real-time communication, and integrates effortlessly with Alexa.

On the other hand, the Ace Pro mini PT is compact yet powerful, featuring pan and tilt functionality for homes an offices. It offers enhanced coverage, high-definition video resolution, and night vision capability for clear monitoring in low-light conditions. Its mobile app integration allows users to monitor their premises, with instant motion detection alerts ensuring prompt response to any activity. Additionally, its user-friendly design and straightforward installation process make it an ideal choice for both residential and commercial applications. These features collectively underscore the division's commitment to delivering superior, accessible security solutions tailored to evolving consumer needs.

Could you provide details on the Ace Pro 3MP Home?

The Ace Pro 3MP Home Camera from the Security Solutions business of Godrej & Boyce is a cutting-edge surveillance solution designed to elevate both home and business security. It boasts an impressive high-definition video quality with a resolution of 2304 x 1296 pixels, ensuring clear and detailed footage around the clock. The camera's pan and tilt functionality allow users to cover a remarkable range—panning up to 350 degrees and tilting 90 degrees—providing extensive visibility of the monitored area.

Equipped with two-way communication through a built-in microphone and speaker, the Ace Pro 3MP enables users to engage with visitors or family members remotely, enhancing the interactive security experience. Night vision capabilities, powered by infrared (IR) LEDs, ensure the camera captures clear images even in low-light conditions, with an effective range extending up to 10 meters.

Additionally, the camera incorporates smart features accessible via a mobile app, which includes functionalities for live feed viewing and smart motion detection, effectively reducing false alarms through humanoid detection. With support for external storage

via a MicroSD card of up to 128GB, users can enjoy ample recording capacity for security footage. Designed for a user-friendly setup, the Ace Pro can be quickly connected to Wi-Fi using a mobile app that supports convenient QR code scanning, making it an ideal choice for enhancing security in modern homes and businesses.

Tell us about your VDP Contactless Video Door Phones.

Our contactless Video Door Phones are a transformative addition to home security, expertly designed to enhance security while prioritizing convenience and hygiene. These innovative devices allow for contactless calling, enabling visitors to alert homeowners without physically touching the doorbell. Equipped with a high-definition 1080p camera, they provide crystal-clear video footage, allowing users to identify visitors with precision.

The system facilitates two-way audio communication through a built-in microphone and speaker, ensuring homeowners can converse without opening the door. Furthermore, the VDP connects to Wi-Fi and can be managed via the See Thru Pro app on smartphones, granting remote access to see and interact with visitors from anywhere. Enhanced features include night vision capabilities for low-light conditions, advanced motion detection with real-time alerts, and image storage to keep a record of who visits.
With customizable options, such as various chime tunes and a "Do Not Disturb" mode, as well as integration with other smart home devices, these door phones cater to modern living requirements. Built to withstand diverse weather conditions, our Contactless Video Door Phones represent a significant leap forward in home monitoring technology, blending convenience and safety for the contemporary homeowner.

What are the current trends in the surveillance industry, and how is Godrej Security adapting to them?

The surveillance industry is evolving rapidly, driven by a heightened demand for smart,

users with the convenience of accessing their footage anytime, anywhere, without the need for physical storage devices. Wireless technologies are another area gaining traction, as they offer flexibility and ease of installation, removing the complexities associated with traditional wired systems.

Amid these developments, privacy and data security have become paramount. With the increasing sophistication of surveillance technologies, ensuring the protection of user data and compliance with privacy regulations is essential.

At Godrej, we are deeply attuned to these trends. We are continuously innovating to incorporate smart technologies into our product offerings. Our focus remains on delivering advanced, user-friendly solutions while maintaining the highest standards of data protection. By doing so, we are not only meeting the current demands of our customers but also preparing for the future of surveillance.

What can you tell us about the recently launched Defender Aurum and Pro Class E Safe?

We have recently launched the Defender Aurum Pro Safe and the Pro Class E Safe, both meticulously crafted to address the specific security needs of the jewellery industry, a sector that requires the highest levels of protection due to the nature of its assets. The Defender Aurum Pro Safe is designed with state-of-the-art barrier materials, developed through extensive research, to provide superior defense against advanced burglary techniques. Its seamless, fully welded construction, coupled with drill defeat shields and high-strength locks, ensures resilience against modern burglary tools, offering jewellers peace of mind when it comes to safeguarding their valuable inventory.

Moreover, the Aurum Pro Safe complies with the latest Quality Control Order issued by the Department for Promotion of Industry and Internal Trade and aligns with the newly introduced Class E standards by the Bureau

integrated security solutions. Consumers today are looking for systems that not only offer robust protection but also seamlessly integrate with their mobile devices and home automation setups. This enables remote monitoring and control, which is becoming a standard expectation. Additionally, the integration of AI and machine learning is transforming the landscape, bringing advanced features like facial recognition and behaviour analysis, which enhance the overall effectiveness of security systems.

We're also seeing a significant shift towards cloud-based storage solutions, which provide

of Indian Standards. This ensures that the product not only meets but exceeds the stringent security requirements, positioning it as a reliable choice for those in the jewellery sector.

The Pro Class E Safe complements this by extending similar high-security features to a broader commercial audience. It is designed to withstand contemporary threats, ensuring both safety and compliance. These safes reflect our deep understanding of the challenges faced by jewelers and our commitment to providing innovative, top-tier security solutions. Together, they symbolize our ongoing effort to equip our clients with the best tools to protect their assets in an increasingly unpredictable environment.

What capabilities do your solutions offer for remote monitoring and management? Are mobile or web applications available?

Our comprehensive range of security solutions that prioritize remote monitoring and management to meet the dynamic needs of our users. Our offerings leverage IoT technology to provide seamless connectivity, allowing for real-time monitoring and management from virtually anywhere. With these advanced systems, users can easily access live video feeds, receive instant alerts, and control security settings remotely.

To further enhance accessibility and convenience, we offer both mobile and web applications. These platforms empower users to stay connected to their security systems, whether they are at home, at work, or on the move. From real-time surveillance to detailed reporting, our solutions ensure that security management is efficient, responsive, and user-friendly, giving our customers peace of mind and greater control over their safety.

How scalable are your security solutions? Can they be easily expanded to accommodate larger facilities or additional features?

Our security solutions include a diverse selection of CCTV cameras paired with Network Video Recorders (NVRs) that support up to 128 channels. We also offer network server solutions capable of accommodating up to 2000 cameras, making them ideal for larger facilities such as residential complexes, commercial spaces, banks, construction sites, and agricultural areas. In addition, we provide multi-apartment video door phone solutions that enable connectivity between multiple apartments within communities. This architecture allows for the integration of several CCTV cameras, alarm systems, and other devices, ensuring comprehensive end-to-end security for the entire apartment complex.

What kind of technical support and maintenance services do you provide? How do you handle software updates and system upgrades?

We pride ourselves on offering a comprehensive range of services designed to meet the diverse needs of our customers. Our service offerings include installation, repair, and relocation services, wherein we ensure that our security products are set up correctly and efficiently. Whether a customer is moving to a new home or needs to shift his/ her existing security setup, our team assists our consumer at every step of the way. To further enhance the experience, we provide additional accessories tailored to the specific requirements. This includes the option to install multiple indoor units or extra CCTV units in conjunction with video door phones, allowing for a robust security solution that meets the unique demands of your living space. In addition to our installation and relocation services, we prioritize keeping the systems up to date. For video door phones and IP CCTV cameras, we facilitate app updates through over-the-air (OTA) software updates, ensuring that our users have access to the latest features and improvements without any hassle. When it comes to system upgrades, we manage firmware updates for devices, whether through onsite visits or remote support for IP CCTV, DVR, and NVR systems. These upgrades are essential for addressing any software-related issues and keeping the security systems of our end consumers running smoothly. By providing these comprehensive services, we aim to deliver an exceptional customer experience and ensure that our security solutions are always performing at their best.

"AI is transforming fitness with real-time coaching, automated form analysis, and on-demand support, setting a new standard in training."

Indraneel Gupta
Founder and CEO, Portl

Portl Studio is a cutting-edge smart home gym designed to deliver a personalized fitness experience. With an integrated personal trainer, the Portl Studio supports multiple users on a single device, offering real-time form correction and tailored workouts based on individual goals. The smart mirror is equipped with a full range of strength and conditioning exercises, advanced body tracking, auto rep counting, and bio-sensors to ensure an optimized fitness journey.

Tell us about Portl's growth in the health and wellness industry.

Since our inception in 2021, Portl has been at the forefront of revolutionizing personalized fitness and wellness solutions. With the launch of Portl Studio Smart Fitness Mirror, we have evolved significantly to meet the varied needs of users. We've enhanced its capabilities to deliver more tailored fitness experiences, integrating real-time performance tracking and personalized feedback, while expanding the workout format we support. Convenience has also been a key focus, ensuring users can fit fitness into their busy lives. We are committed to constantly innovate and adapt to the changing needs of our users. Our flagship product has raised the bar in at-home fitness by combining cutting-edge AI technology with real-time feedback to create a unique training experience. As we continue to evolve, we've enhanced our offerings and cultivated a community of users who value accessibility, personalization and results-driven fitness experiences.

How does Portl ensure that the personalized experiences for training and nutrition are tailored to each user's unique goals and preferences?

Personalization lies at the heart of Portl's

approach. Our Portl Studio Mirror gathers critical data, including health metrics, lifestyle factors, fitness levels, and dietary preferences. This data is analyzed using AI to craft individualized fitness and nutrition plans that align with the user's goals—be it weight loss, muscle gain, or improved overall health. Throughout their journey, users receive real-time performance and form feedback during their workout. Post the workout session, our systems then analyze the performance and based on the AI-driven insights, dynamically adjust and create the next workout session plan. It's similar to having an expert personal trainer by your side, providing constant modifications according to your demands and development. Real-time feedback and personalization help users stay motivated and on track to reach their fitness objectives.

What role do data, technology, and AI play in delivering personalized content?

Real-time performance analysis and AI-driven technologies are the backbone of our overall value proposition. We use biometric data tracking to monitor users' vital stats and fitness levels. This data feeds into our proprietary AI engine, which analyzes it to create highly personalized training and nutrition plans. Real-time AI feedback ensures continuous adaptation during workouts, while integrated tracking systems allow users to monitor
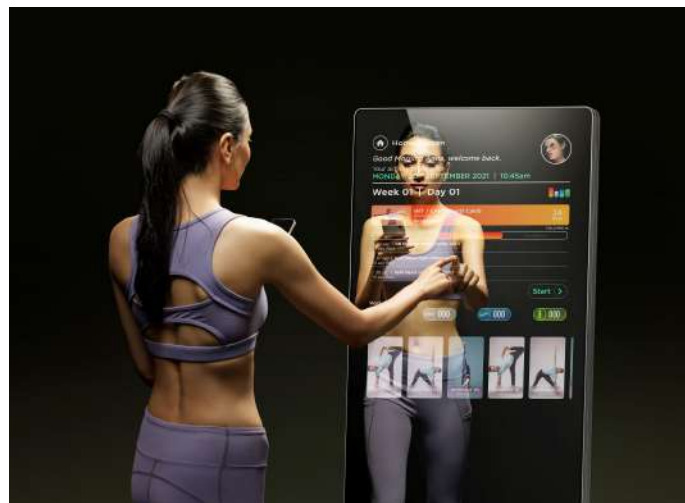
progress across fitness, nutrition, sleep, and recovery metrics.

Our professional readers would like to know about your smart mirror and its advantages.

The Portl Studio Smart Fitness Mirror is a revolutionary at-home fitness device that brings the gym experience directly to your home. Think of it as your personal home gym with an in-built personal trainer. It supports multiple users on a single device, offering real-time form correction and customized workouts based on individual fitness goals. Whether you're looking for HIIT, strength training, endurance, self-defense, cardio, dance fitness, yoga, meditation, or even pain management,

the Portl Studio provides a wide range of on-demand and live workouts to suit every need.

What sets the Portl Studio apart is its interactive training experience, providing real-time feedback and guidance during workouts to ensure correct form and maximum efficiency. Using advanced AI, it tailors personalized workout plans that evolve with your progress, keeping you on track to meet your fitness objectives. Designed for convenience, it's a compact and stylish device that seamlessly fits into any home environment.

What are the future product developments Portl is working on to cater to a larger, more diverse audience?

We are gearing up to launch our Connected Strength systems, designed to meet the growing demand for strength training at home. These systems will complement our smart mirror by offering tailored programs for strength-building exercises.

What role do you see technology playing in shaping the future of wellness, particularly in terms of accessibility and affordability?

In my opinion, technology—especially artificial intelligence has the potential to completely transform the fitness sector and the way we think about fitness. With features like voice integration for real-time audio-based coaching, automated form feedback & analysis for assessing performance, and on-demand interactive coaching, AI-powered workflows and features will become the norm. At Portl, we're already using AI to provide real-time feedback that changes based on each user's progress, increasing the effectiveness, accessibility, and personalization of fitness.

"Today's investors and homebuyers seek tech-savvy living spaces that provide quality, ambiance, and comfort at their fingertips."

C J Singh
COO, Wave City

C J Singh, COO, Wave City provides an in-depth view of how advanced technologies are being integrated into real estate development. Under his leadership, Wave City has successfully incorporated building automation, home automation, and smart lighting into its projects. Singh highlights the rising trend of technology-driven homes, emphasizing how these innovations improve operational efficiency, enhance living experiences, and impact market dynamics and property values.

How would you describe the current level of adoption of Building Automation, Home Automation, and Smart Lighting technologies in your projects?

Homebuyers and investors are looking for state-of-the-art facilities that make daily living seamless, while striking a work-life balance. In this scenario, smart buildings and smart township have emerged as a hugely popular option. Building Automation, Smart Utilities and Home automation, all can be remotely controlled using integrated sensors and instruments making it very efficient, while 24x7 surveillance with linked mobile Apps and Voice Commands have added to the ease of living. Integration of solar panels, LED lights and voice automated lights have added an extra layer of comfort and ease. We at Wave City have integrated smart technologies like Smart Grid, Smart Utilities, Home Automation, Smart Lighting, Smart Water and Waste Water Management which is centralized for optimum and efficient use.

By controlling On and Off operations of street lights, the system reduces energy consumption and carbon footprints to a great extent, contributing to cost savings and environmental sustainability. Collectively, they offer integrated, intelligent and efficient solutions to daily needs while being green and reducing monthly consumption.

Have you observed an increased demand or preference among homebuyers for properties equipped with these technologies? If so, how has it influenced market dynamics?

The last decade has witnessed increased footfalls of Gen Z and millennials besides NRIs in the real estate segment. These developments have occurred because of increase in disposable incomes, robust infrastructural development and timely delivery of projects besides modernisation of the Indian real estate through AR/VR technologies. Post pandemic homebuyers and investors are looking for residences that score high on work-life balance, physical and mental health and also community living. We at Wave City are committed to environmental responsibility, reduced energy consumption, efficient water management, and vast green spaces that align with the values of buyers looking for a sustainable lifestyle. Our residential projects like Veridia & Eligo etc. are equipped with topline technologies like Smart Water and Waste water management, smart boom barrier and traffic management, top-end security systems with video analytics and smart grid for uninterrupted power supply.

Can you share examples of your projects where you have used the above-mentioned technology? Can you share the brand and smart solution used?

Wave City, the first operational Hi-tech city of North India is one of the Pre-Certified Platinum Rated Green Township that offers intelligent, sustainable and state-of-the-art housing facilities, with smart features like Integrated Command & Control Centre, Smart Electric Grid, Smart Water & Waste Water management, Smart Security and more. We have also facilitated 'smart choices' like saving on bills with energy efficient measures like motion sensor detection lights, solar panel installation, smart water meters and energy-efficient appliances and much more. The homes in Wave City are designed to enhance natural light, ventilation, and energy efficiency. They are constructed using non-toxic, eco-friendly materials that improve indoor air quality, offering a healthier and more sustainable living environment for residents.

We at Wave City, believe in launching timeless properties offering the highest standard of living to its residents and catering to the demand of today's evolving customers. Our project Eligo is based on modern contemporary architectural trends and sustainable development. Eligo is an eight-floor, mid-rise, residential apartment consisting of 3 BHK+3T

amenity-rich homes and each residence will give an uninterrupted view of the top spanning podium greens and parks, club, gymnasiums and other recreational facilities spanning a vast landscape. Our premium residential project Veridia offers an elevated living experience perfect amalgamation of comfort, luxury and serenity. A low-rise high living project, Veridia, fills the gap in availability of premium housing project along National Highway-24 which is an important corridor connecting NCR with Western Uttar Pradesh. It has 4 BHK & 5 BHK ultra spacious floors and parks with lush green open spaces.

Have you noticed any positive impact on operational costs and long-term sustainability goals through the implementation of the Building Automation System?

We at Wave City are committed to promoting sustainability and integrating green practices. By focusing on new age technologies which are energy efficient, we have witnessed a positive impact on operation costs and long-term sustainability goals. For instance, Wave City's power infrastructure, which includes substations and a Ring Main Distribution System, ensures efficient energy distribution and minimizes transmission losses. This setup supports sustainable growth by improving energy efficiency and grid resilience. All our residential projects are designed to enhance natural light, ventilation, and energy efficiency and are constructed using non-toxic and eco-friendly materials that improve indoor air quality, offering a healthier and more sustainable living environment for residents. Wave City integrates various smart solutions, including water meters, PLC-based STPs, underground water monitoring systems, and smart lighting. These technologies optimize resource use, reduce energy consumption, and allow real-time management of utilities, contributing to the project's overall sustainability.

What training or support do you provide homeowners to help them understand and use these smart technologies effectively?

We have our in-house developed Wave City App which is a stop shop for community living at Wave City. Apart from complaints management, utility recharges, bill payments, visitor management features within App, we have a module in App through which we communicate all new developments, activities and new technologies implemented within the township. Further, during our usual meetings with residents, we communicate and make them aware about any new feature or smart initiative taken within the township.

Have you collaborated with technology partners or vendors to implement these solutions? If so, can you share details about these partnerships?

A smart city is the result of collaboration of different stakeholders with a common objective. For any technology being implemented at Wave City, it has mainly three stages and for each stage different stakeholders are engaged.

Instrumentation: Important external stakeholders (Vendors) – **Siemens, Schneider, Eaton, ABB, L&T (now L&K), Xylem, Emerson, Yokogawa, E&H, Atlas Copco** and the list is long.

Connectivity: **Orion Infratel, CISCO, JIO, Airtel Integration with Command Centre: AVEVA (ICCC-Integrated Command & Control software provider), SSM Infotech (AVEVA SI)**

Have you seen any impact on property values due to the integration of smart technologies?

Yes, the future is very bright in this segment. Today, the modern Indian investor and homebuyers are looking for tech-savvy living spaces that offer quality of life, niche ambience and comfort at fingertips. This trend is manifesting via the rise of integrated townships that offer smart homes that not only give a 'feel good factor, but also augurs well for the planet's future. Equipped with topline technologies like sensors, voice activated features and a lot more, are boosting the real estate market and creating a win-win situation for both the real estate developers and homebuyers, leading to a high demand. In fact, the smart home market in India is projected to grow at a CAGR of 18.4 percent from 2020 to 2025 while Artificial Intelligence (AI) could add up to 1.4 percentage points annually to India's real GDP growth.

Can you discuss any case studies or success stories where the implementation of these technologies significantly improved the quality of life for occupants or the efficiency of building operations?

Electrical distribution system is still conventional in most of the India. The same was case at Wave City few years back where entire 11 KV electrical distribution was thru convention system (H pole with GO manual switches) leading to frequent power failures due to shorting of jumpers (Birds perching on naked/open wire and other factors). The other drawback of this system was failure at one points trips the entire ring leading to power

Green Township which is renewed every year. Further, we had received accolades for our work in the field of Smart Infrastructure and Best Smart City Initiatives.

We are aiming to come into Smart Grid Forum, a government of India initiative. We are working hard in this area and with that aim, we have converted all our existing electrical sub-stations into a smart grid and made it a practise where all electrical sub-stations are ordered as a smart one and not conventional. We are aiming to give a real experience of smart city through our redundant optical network for seamless connectivity of field devices with command centre and large video walls duly installed in command cum experience centre.

outage across the city. This in-turn lead to a herculean task of finding the fault location and then repairing it.

That was the time when concept of 'Smart Grid' was introduced. It consists of a closed system with different components having different purposes. As of now, close to 90 smart 11 KV sub-stations have been installed across first phase of Wave City and the similar and upgraded system shall be installed in new future for upcoming phases of development within Wave City. The system has eased the fault finding using a fault passage indicator. It has smart breakers which trips the system and does not allow the fault to travel to other sub-stations. The major advantages are faster repair and reduced power outage leading to substantial cost saving and increased customers satisfaction.

Are there any specific standards or certifications you aim to achieve when incorporating these technologies into your projects?

Yes, we have taken certifications from IGBC (Indian Green Building Council) for Smart and

How do you balance the cost of implementing these technologies with the benefits they provide to homeowners?

Before implementing any solution, the feasibility study is done for the technology intended to be implemented while following the below steps:

Vendors availability in Indian Market.

Solution viability in terms of reliability & cost

Financial viability – ROI (Return on Investment) and pay Back period

Following above steps help us balancing the capex for any solution being implemented. Home owners/residents are well aware that if you want to live in a smart township, there is a cost of urban living and thus residents/ home owners do understand this and hence a minimal loading on residents while giving them a ease of living at Wave City is acceptable to them.

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Experience Smart Home Innovation Firsthand

The SmartNode's Experience Centre Powered by Corona Powertech offers a unique, immersive opportunity to explore the future of smart living.

Experience Centres are the key to unlocking the true potential of smart solutions, turning complex technologies into immersive, easy to integrate hands-on experiences. They allow customers to interact with and explore cutting-edge innovations, making it easier to envision how these solutions can seamlessly enhance their lives. With this in mind, the SmartNode's Experience Centre Powered by Corona powertech in Ahmedabad is designed dynamic space where the future of smart living comes to life. Here, visitors can dive into the world of connected technologies, gaining firsthand insight and confidence in transforming their homes into smarter, more efficient living spaces.

The centre is designed to replicate a real home environment, offering visitors an immersive preview of smart home solutions. Parth Shah, Chief Revenue Officer, SmartNode, shares, "By recreating spaces like living rooms, bedrooms, kitchens, home theatres, and office areas, we provide hands-on experiences that showcase

how our products seamlessly integrate into daily life, enhancing comfort, convenience and efficiency."

Spanning 1,695 sq. ft, the centre presents a diverse range of smart home solutions across various settings, offering a comprehensive look at smart technology in action. SmartNode has collaborated with Paalm Interior, a renowned architecture studio, to bring their vision to life. The expert team at Paalm Interior designed mock-ups that represent real home environments, guiding visitors on an intuitive journey through home automation and smart solutions.

The centre displays SmartNode's full range of products, including the Smart Touch Panel, which is modern, customizable, and seamlessly integrated into home decor. Available in various materials and colours, it features personalized icons and backlighting for easy use in the dark, with remote lock capabilities through the SmartNode app. The Screen Panel is perfect for larger spaces, offering centralized control with a user-friendly interface for managing various systems. The premium keypad adds a touch of luxury with its sophisticated design, while the Curtain Motor and Curtain Controller offer advanced automation for precise curtain control, either manually, through the app, or via voice commands. The Scene Controller allows users to group devices for a single command, making it easy to turn everything on or off simultaneously. The RGBW Controller creates customized lighting for any atmosphere, ideal for home entertainment or relaxation, while the IR Blaster replaces traditional remotes with mobile app control, simplifying the management of IR-enabled devices.

Together, these products provide a fully integrated smart home experience that combines convenience, luxury, and cutting-edge technology. Plus, at this SmartNode Experience Centre, visitors are treated to a personalised and immersive journey through the latest in smart home solutions. Expert guides each visitor through the centre, providing a detailed and engaging walkthrough of the products, ensuring that every guest fully understands the functionality and benefits of each solution. The In-House experts explain the products in a clear, interactive way, making the experience both informative and enjoyable.

"The journey begins at the entrance, where visitors are introduced to the automation of a typical home entryway. Here, experts

demonstrate how various smart home solutions integrate seamlessly, enhancing convenience with features like automated lighting, security, and climate control. Each feature is explained in detail, showcasing how it works to simplify daily life. From there, visitors are led into the living room setup, where they witness automation in action. In this space, they can control lighting, media, and curtains, all integrated into a single smart home system. Voice assistant integration, including Alexa, Google Assistant, and Siri, allows visitors to interact with the environment using simple voice commands. Automated lights can be controlled via an app or voice commands, while the curtain automation provides precise control, with real-time updates reflected on the SmartNode app, enhancing both convenience and user experience." explains Parth Shah.

Next, visitors explore the bedroom setup, where they are introduced to advanced smart lighting solutions. This includes multi-way switch control, also known as a switch mirroring, which allows room appliances to be controlled from multiple switches throughout the space. This feature offers added flexibility and convenience, allowing users to manage their environment from different points in the room.

In the kitchen area, visitors experience a human-centric lighting solution that simulates natural sunlight. The lighting adjusts throughout the day, mimicking the outdoor conditions to create a dynamic and natural indoor atmosphere. This solution is ideal for those seeking to bring a more organic, energy-efficient feel to their living space.

The tour concludes with a visit to the "Jungle Theme" home theatre setup, where the power of scene control is demonstrated.

With a single click, visitors can experience how lighting, temperature, and other settings are automatically adjusted to create the perfect environment for movie-watching. This showcase blends comfort with technology, providing a truly immersive cinematic experience.

At the end of the tour, visitors are invited to explore their personalized solutions for their homes in the conference room, an automated space designed to showcase office automation solutions.

Throughout the entire visit, the Experience Centre offers numerous interactive and immersive elements. Visitors can directly

interact with the products through touch panels, keypads, and the SmartNode app, exploring the ease with which they can control lighting, curtains, and appliances. The home theatre setup, featuring the scene controller, allows visitors to witness how a room transforms at the press of a button, further engaging them in the hands-on nature of the experience.

The Experience Centre highlights the cutting-edge innovation and technological advancements that define SmartNode's product range. By integrating the latest in smart home solutions, the centre demonstrates how different devices, from lighting and curtains to media controls and temperature settings, seamlessly work together to enhance home automation. Voice commands, mobile app controls, and centralized panels showcase the future of home management, offering convenience, efficiency, and luxury.

Designed to be both informative and engaging, the Experience Centre thoughtfully guides visitors through various living scenarios. This layout allows them to visualize how SmartNode products can enhance their everyday lives, providing real-world applications of smart home technology in each area. With expert guidance, interactive demonstrations, and hands-on experiences, visitors not only see the products in action but also gain a deeper understanding of how integrating smart solutions can transform their homes into more efficient, convenient, and luxurious spaces.

Transforming the Workplace with Smart Automation

The CDSL office, designed by ANA Design integrates smart technology to create an employee-friendly, automated workspace. Focused on sustainability and wellness, it also aims for LEED and WELL certifications, optimizing lighting, climate, security and communication.

CDSL office designed by ANA Design spearheaded by Ar. Ankura and Ankit Patel is a trendsetter when it comes to integrating automation and Smart Technology. This smart office was designed with the aim to create interactive and employer-friendly environment. The advanced systems were integrated to optimize lighting, climate control, security and communication, plus the added advantage was to create a seamless, automated work experience for the employees. The overarching goal of the project was not only to modernize the office environment but also to meet high standards for sustainability and wellness. With a focus on achieving certifications like LEED, WELL, and integrating sustainable practices, the project was committed to ensuring that all systems supported both environmental and human health goals.

Integrating Smart Automation Systems

"Our role in this project was comprehensive, encompassing the design, supply, installation commissioning and testing of smart automation systems, with end-to-end integration across all systems. Our involvement included designing the system architecture, selecting the most appropriate technologies, coordinating with various vendors, and ensuring a seamless, efficient implementation. By closely collaborating with the client, we ensured that all systems were tailored to meet their unique needs while adhering to the highest standards of functionality and sustainability." explains Ankura Patel.

Planning and Designing Smart Automation Systems

The planning and design phase were crucial

in customising the smart automation systems to meet the office's specific needs. The design team designed a detailed questionnaire for the client to understand the client's requirements and evaluating their current setup. This helped identify key operational insights and areas where the existing infrastructure could be improved.

Following the analysis of the responses, the team applied their industry expertise to integrate this information with advanced solutions. They guided the client in classifying the solutions into "must-have" and "good-to-have" categories, ensuring that essential features were prioritised while leaving room for future upgrades. Although not all solutions were implemented at once, the office infrastructure was designed to easily incorporate additional features as the company's needs evolved.

A Future-Proof Office Environment

"Although the client did not choose every available solution, the underlying infrastructure was designed with flexibility in mind, ensuring that all systems could be integrated either at launch or as the business expands. This future-proof approach guarantees that the office remains adaptable to emerging technologies, keeping the workspace optimized for productivity, comfort, and sustainability as it evolves." says Ankura.

Key Automation Systems Integrated

The team has successfully integrated a diverse range of advanced technology systems to enhance operational efficiency and enable centralised management throughout the facility. These integrated systems span multiple domains, ensuring seamless functionality across the workspace. The Audio Visual (AV) systems include state-of-the-art solutions for meeting rooms, boardrooms, digital signage, and meeting room schedulers, all designed to improve communication and collaboration with high-quality audio-visual experiences. In addition, the Information Communication Technologies (ICT) systems cover both passive and active IT infrastructure, Wi-Fi, IP surveillance, video analytics, video management systems, face recognition systems, access control, and attendance management systems, providing secure, reliable, and efficient communication and data flow throughout the building.

The IoT-based solutions, such as visitor management systems, automated number plate recognition, face recognition systems, and

meeting room occupancy sensors, enhance automation and create a smarter, more connected workspace. These technologies streamline operations and improve user experience. Furthermore, Intelligent Building Management System (IBMS) integrates a wide range of systems to centralize and optimize critical building functions. This includes Indoor Air Quality Sensors to monitor and improve air conditions, Critical Area Monitoring Sensors for high-priority spaces, and HVAC Integration to manage Air Handling Units

(AHUs), variable air volume units, and chiller plants. Energy and Water Meter Integration allows for the monitoring and optimization of utility consumption, while Kitchen Equipment Monitoring ensures the efficient operation of kitchen facilities. Fire and Gas Safety Integration, including fire alarms, firefighting systems, gas panels, and meters, ensures the safety of all occupants. Additionally, Lift and Elevator Integration ensures smooth vertical transportation, while UPS, DG, and Tank Level Sensors monitor backup power and critical systems.

By integrating these systems, we have created a cohesive and efficient environment where all building functions are optimized and seamlessly managed. Centralizing these operations simplifies monitoring, enhances real-time data access, and improves the overall performance of the facility, ensuring a reliable and efficient workspace.

Additional Core Systems for Operational Efficiency

The facility is equipped with a wide range of integrated systems designed to ensure optimal performance and efficiency. The HVAC systems include chiller systems, cooling towers, air handling units, ceiling-suspended units, treated fresh air fan units, variable air volume units, variable refrigerant flow units, fan coil units, direct expansion units, precision air conditioning units, cassette units, hi-wall units, exhaust fans, fresh air fans, jet fans, pressurization fans, fire damper panels, air purifiers, auto-sequential panels, BTU meters, air washer units, dry scrubber units, refrigeration units, and evaporators. These systems work together to maintain a comfortable, energy-efficient environment year-round.

The electrical systems are composed of circuit breakers, energy meters, uninterruptible power supplies (UPS), diesel generators (DG), transformers, lighting management systems, and battery monitoring systems. These elements are integrated to ensure electrical stability and efficiency across the facility. For water and wastewater management,

the plumbing and firefighting systems encompass pumps, sewage treatment plants (STP), effluent treatment plants (ETP), water treatment plants (WTP), water meters, reverse osmosis (RO) plants, solar hot water systems, and boilers, all working to optimize water usage and fire safety measures.

The fire and safety systems include fire alarm systems, fire suppression systems, gas suppression systems, very early smoke detection systems, rodent repellent systems,

water leak detection systems, gas panels, and gas meters. Together, these systems provide comprehensive protection against potential hazards. Additionally, various general systems have been integrated to enhance convenience and functionality, including lifts, CCTV systems, access control systems, AV systems, and kitchen equipment.

To ensure seamless operation and performance of these diverse systems, advanced technologies like Tridium Niagara and Lynx Spring Gateways have been employed. These platforms offer a centralized solution for monitoring, controlling, and managing all systems within the facility. This integrated approach allows for real-time data access, effective performance monitoring, and streamlined operations, leading to enhanced efficiency in facility management. With these comprehensive integrations, the facility is well-equipped to operate sustainably, safely, and efficiently, providing an optimal environment for its occupants.

Open Architecture and Scalability of Systems

Open Architecture Tridium Niagara/Lynx Spring supports a wide range of protocols (BACnet, Modbus, KNX, Lon Works, etc.), enabling seamless communication between diverse systems like HVAC, electrical, lighting, and security. This allows easy integration with existing and future devices. This ensures that users are not locked into a specific vendor's ecosystem, providing flexibility to choose the best equipment or update systems without major compatibility issues.

When it comes to scalability, the system can be easily scaled to accommodate additional devices or systems. New sensors, controllers, or even entire systems can be added without requiring a complete overhaul.

Centralized Monitoring and Control offers a single platform for controlling and monitoring all building systems simplifying operations and providing a comprehensive view of system performance in real-time.

The Data Analytics and Visualization can be built on custom dashboards to display critical

performance metrics, trends, and alerts, making it easier to identify inefficiencies or system failures. Built-in analytics help optimize energy consumption, providing insights into areas for cost savings and better resource management, predictive maintenance, which is particularly valuable for sustainability goals. The team has opted for a Improved System Reliability and Performance where a built-in fault detection and diagnostics and alarm systems help detect faults in real time, enabling proactive maintenance and minimising downtime.

To enhanced Security and Compliance Niagara has been incorporated which has advanced cybersecurity features, including encrypted communication, secure user authentication, and role-based access control, to protect sensitive data and prevent unauthorized access. The platform helps maintain compliance with industry standards and local regulations by tracking energy usage, emissions, fire safety systems, and other critical data, and generating reports for auditing.

AI-based rule engines enhance monitoring and control, while automated, unmanned entry and exit improve the user experience. The setup includes Jabra Panacast with Sennheiser ceiling microphones, QSC speakers, and Microsoft Teams as the soft codec. Extron room control and scheduling are integrated, alongside Samsung displays controlled via the room controller

The project incorporated the DALI occupancy-based lighting management system, known for its versatility, energy efficiency, and ease of use. It offers customizable brightness and color temperature, allowing for dynamic lighting effects that enhance the environment. The system provides app-based control for convenient adjustments, along with scheduled automation to optimize energy usage. Daylight harvesting is integrated to adjust lighting based on natural light availability, while zoning and customization features allow for tailored lighting solutions. Additionally, emergency lighting is seamlessly integrated to ensure safety and compliance.

The Access Control and Surveillance systems
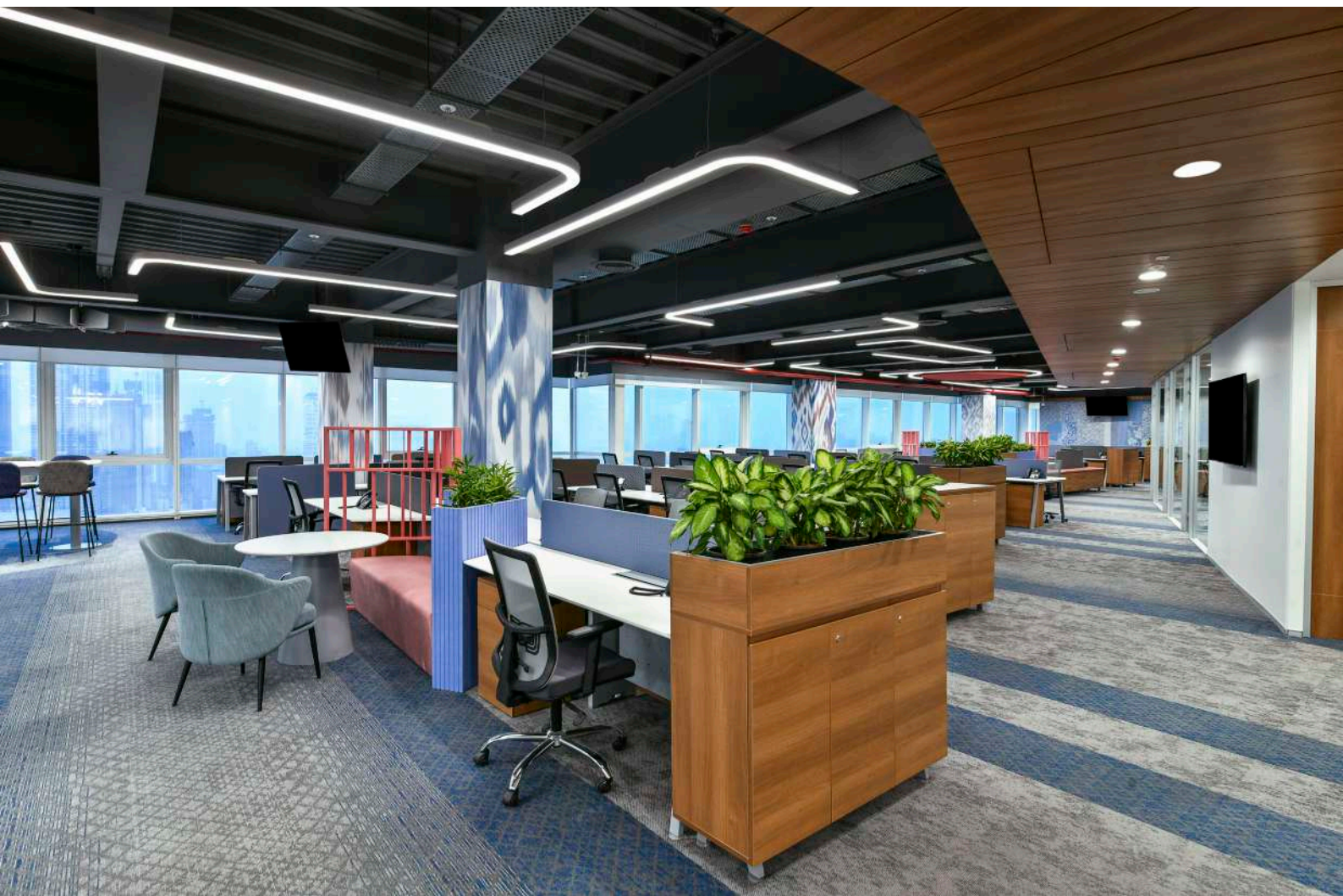
were seamlessly integrated, with cameras monitoring all entry and exit points. In case of unauthorized access, the system generates alerts. Since the main entry/exit points were automated and unmanned, surveillance was incorporated for enhanced security. Video analytics were implemented for zone-wise monitoring and reporting. The project utilized top-tier brands such as Vivotek, Bosch, Pelco, Milestone, Videonetics, and Neurotechnology to ensure high-quality performance and reliability.

TECH SPECIFICATION:

AV: **Samsung, Extron, Crestron, Jabra, Sennhiser, Scala, Unilumin**

ICT: **Siemon, Commscope, Cisco, Juniper, Palo Alto, Vivotek, Bosch, Pelco, Milestone,**

IOT: **Neurotechnology, Videonetics, 4CT SDB**

IBMS: **Niagara, Lynxspring, Greystonme, Kiaterra, 4CT SDT**

Software: **Niagara**

Gateways & Controllers: **Tridium Niagara, Lynx spring**

Sensors: **Omicron, Greystone, Dwyer, Kaiterra, Tridium Niagara/Lynxspring**

Loewe klang bar3 mr: A Compact Powerhouse for Premium Audio

The Loewe klang bar3 mr is a sophisticated and compact soundbar that packs a punch in both performance and design. As an exceptional audio solution from the renowned German brand, this soundbar goes beyond your typical mid-range offering, delivering an immersive, 3D sound experience with both Dolby Atmos and DTS:X support. Whether you're watching movies, listening to music, or gaming, the Loewe klang bar3 mr ensures premium, cinematic audio in any environment.

Designed to complement your home décor, the Loewe klang bar3 mr is not just about impressive sound—it's a statement of elegance. Measuring 950mm wide, 68mm high, and 160mm deep, the soundbar features a combination of sleek basalt grey felt and a perforated black metallic top plate, providing a visually appealing aesthetic. Loewe's attention to detail is evident in its build quality, from the premium materials used to the signature branding elegantly displayed on the top right edge.

Performance and Sound Quality

Despite its compact form, the Loewe klang bar3 mr doesn't compromise on audio quality. With a total music power of 360W, this soundbar delivers powerful, clear, and dynamic sound across all types of content. It offers a 3.1-channel speaker setup, complete with front-facing left, right, and center speakers, alongside two integrated subwoofers. This configuration ensures outstanding speech intelligibility and rich, voluminous sound that can fill your entire room.

For those who enjoy immersive, three-dimensional audio, the Loewe klang bar3 mr is equipped with Dolby Atmos and DTS:X support, creating an impressive, object-based soundstage. Whether you're watching the latest blockbuster or enjoying your favorite music, the sound seems to come from all around you, with an exceptional sense of depth and space. The combination of up-firing subwoofers and forward-facing speakers creates a surround sound experience without the need for a large subwoofer, ideal for those who want to maintain a clean, minimalist setup.

Expandable and Flexible Audio Solution

One of the standout features of the Loewe klang bar3 mr is its ability to expand your audio system with ease. Thanks to DTS Play-Fi, you can wirelessly link up to 16 speakers across multiple rooms, setting up four spatial audio zones for a fully customized listening experience. Whether you want to synchronize your sound across your entire home or create different sound zones for different spaces, the Loewe klang bar3 mr gives you complete flexibility.

For those who want to take their audio experience to the next level, the Loewe klang bar3 mr also offers the option to add external active speakers for 5.1-channel surround sound. The soundbar features a generous array of six phono pre-amp ports—for rear left, rear right, subwoofer, front left, front right, and center channels—allowing you to expand your system whenever you choose. This flexibility makes the Klang Bar3 MR a smart investment for the long term.

Connectivity and Integration

The range offers a wide range of connectivity options to ensure seamless integration with all your devices. It features two HDMI inputs and one HDMI output with eARC, allowing you to pass Dolby Atmos sound from your TV without the need to connect sources directly to the soundbar. The soundbar is also compatible with USB ports, optical input, and a 3.5mm auxiliary input, offering diverse connectivity for external devices.

One of the most impressive aspects of the Loewe klang bar3 mr is its ability to stream audio directly from popular music platforms, including Spotify, Amazon Music, Tidal, Pandora, Qobuz, and Deezer, thanks to its built-in wireless connectivity. It supports Apple

AirPlay 2, Google Chromecast, and Bluetooth, allowing you to effortlessly stream music and podcasts, or play content from your phone or tablet directly to the soundbar.

In addition, the Loewe klang bar3 mr is ready to integrate into Loewe's multi-room setup with its proprietary Wireless Digital Audio Link technology. This allows you to wirelessly add Loewe's multi-room speakers and subwoofers, giving you a seamless audio experience throughout your entire home. You can even expand the system with as many Loewe Klang Sub5 subwoofers as you need for a fully immersive sound experience.

Ease of Control

While Loewe maintains its premium design, control options on the Loewe klang bar3 mr are designed for ease of use and convenience. You can control the soundbar with the integrated row of buttons on the back edge of the top plate or through the sleek, modern remote control, which features a unique layout with buttons positioned along horizontal strips. Although the remote's layout may take some getting used to, it offers an intuitive, comfortable experience once you become familiar with it.

For those looking for additional setup options, the My Loewe app is available for iOS and Android devices. While the app primarily serves as an instructional guide and setup tool, it ensures that your Loewe klang bar3 mr integrates seamlessly into your existing Loewe ecosystem.

SPECIFICATIONS AT A GLANCE:

- Music Power: 360W

- Frequency Response: 60Hz – 20,000Hz

- Connectivity: Bluetooth, A2DP, AVRCP, SBC

- Inputs: 2 HDMI (eARC), USB, Optical, 3.5mm aux, 6 phono pre-amp ports

- Sound Formats: Dolby Atmos, DTS:X

- Streaming Support: Apple AirPlay 2, Google Chromecast, Bluetooth

- Multi-Room: DTS Play-Fi, Wireless Digital Audio Link technology

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

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 ±50% and horizontal ±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.

Hikvision Video Door Phone Offers Best-in-Class Solution

Hikvision Video Door Phone Villa Solution offers Best-in-Class solution for home security concerns. The Video Door Phone Villa Solution is a state-of-the-art security and communication system tailored to meet the specific needs of modern villas. It offers an advanced blend of technology, design, and functionality, ensuring safety, convenience, and seamless communication for residents. This Solution provides an unparalleled combination of security, convenience, and innovation. Its robust features, such as remote management, AI-driven functionalities, and advanced access control, ensure residents enjoy peace of mind while maintaining complete control over their villa's security. With its sleek design, scalability, and smart home compatibility, the solution stands out as the ideal choice for modern villas. Its key feature includes following USPs.
High-Resolution Video Door Phone: Equipped with IP cameras, the system provides crystal-clear visuals, allowing residents to identify visitors easily. Includes night vision capabilities for 24/7 monitoring, ensuring safety regardless of the time.

Wide-Angle Viewing: With 146-degree wide-angle coverage, the system eliminates blind spots, offering a comprehensive view of entry points.

Remote Management via Hik-Connect App: Residents can manage calls, view live video, unlock doors, and communicate with visitors through the Hik-Connect App from anywhere.
Multi-Tier Access Control: Incorporates advanced access control features like MF cards, PIN codes, biometric authentication, and QR code scanning for secure entry. Residents can also grant temporary access permissions to visitors.

Two-Way Audio Communication: Integrated high-quality microphones and speakers facilitate clear, two-way communication between residents and visitors.

Durable and Weatherproof Design: Built to withstand harsh weather conditions, with IP65-rated outdoor stations for reliable performance.

Advantages of the Villa Solution are as follows: Enhanced Security: By providing real-time video verification and controlled access, the system significantly reduces the risk of unauthorized entry.

Convenience and Remote Monitoring: The Hik-Connect App allows residents to answer calls, manage doors, and monitor security cameras from their smartphones. Even when away from home, residents remain connected to their villa's security system.

Personalized Access Control: Each family member can have customized access credentials, ensuring flexibility and enhanced control. Temporary credentials can be issued for delivery personnel, service providers, or guests.

Seamless Integration with Smart Home Systems: Compatible with smart home technologies, the system integrates with Home automation solution, such as lighting, Audio System, and alarms, creating a unified smart villa ecosystem.
Scalable and Future-Ready: Designed to adapt to future technology upgrades or villa expansions, making it a long-term investment for homeowners.

Key Features of VDP - DS-KV9503

High-Definition Video: Equipped with an HD camera that delivers sharp and clear video, enabling accurate visitor identification. Features wide-angle coverage and night vision, ensuring visibility in all lighting conditions.

Two-Way Communication: Built-in microphone and speaker enable clear, two-way audio & one way video communication between residents and visitors. Advanced Access Control: Supports multiple access methods, including facial recognition, QR codes, PIN codes, and MF cards, offering flexibility and enhanced security. Features tamper detection and notifications for unauthorized attempts.

Durable Build: IP65-rated weatherproof and IK07-rated vandal-resistant design ensures reliable operation in harsh environmental conditions.

Scalability: Can integrate with multiple door stations, cameras, and indoor monitors, making it suitable for villas or larger residential setups.

Power and Connectivity: Supports standard PoE (Power over Ethernet) and 12V DC power, simplifying installation and providing consistent performance. The integration of the DS-KH9510 Indoor Station and DS-KV9503-WBE1 Door Station redefines home automation by combining advanced security, intuitive controls, and smart connectivity. Together, they create a unified system that enhances convenience, improves energy efficiency, and ensures a safer living environment, making them an ideal choice for modern homes and luxury villas.

Combo of VDPS offer Home Automation solution

The combination of DS-KH9510 Indoor Station and DS-KV9503-WBE1 Modular Video Door Station offers a cutting-edge home automation solution, delivering enhanced security, convenience, and seamless control over smart home features. Together, these devices integrate video door phone, access control, and smart home management into a unified platform, creating a truly connected living experience.

AudioControl Unveils New Bijou Series Amplifiers for Professional Audio Solutions

AudioControl has expanded its Bijou Series with three new high-performance amplifiers, designed to meet the growing demand for premium audio enhancement in large-screen TVs, micro-LED wall installations, and other professional entertainment setups. These amplifiers combine cutting-edge GaN-based power technology with HDMI eARC connectivity to deliver superior audio quality from a sleek 1U form factor.

The New Models In The Bijou Series Include:

Bijou 2100: A 2.1-channel amplifier

Bijou 3100: A 3.1-channel amplifier

Bijou 5100: A 5.1-channel amplifier (Dante-enabled for high-performance, multi-zone, scalable, and future-ready audio solutions)

Designed with professional installers in mind, the Bijou amplifiers feature Dante networking, HDMI eARC support for Dolby Atmos and DTS, and IP control for compatibility with popular control systems like Control4. Additionally, they offer an intuitive web configuration interface and configurable line outputs for easy customization.

With their low-profile 1U half-rack design and versatile mounting options, the Bijou amplifiers can be discreetly installed in a wide variety of environments, making them ideal for both residential and commercial applications.
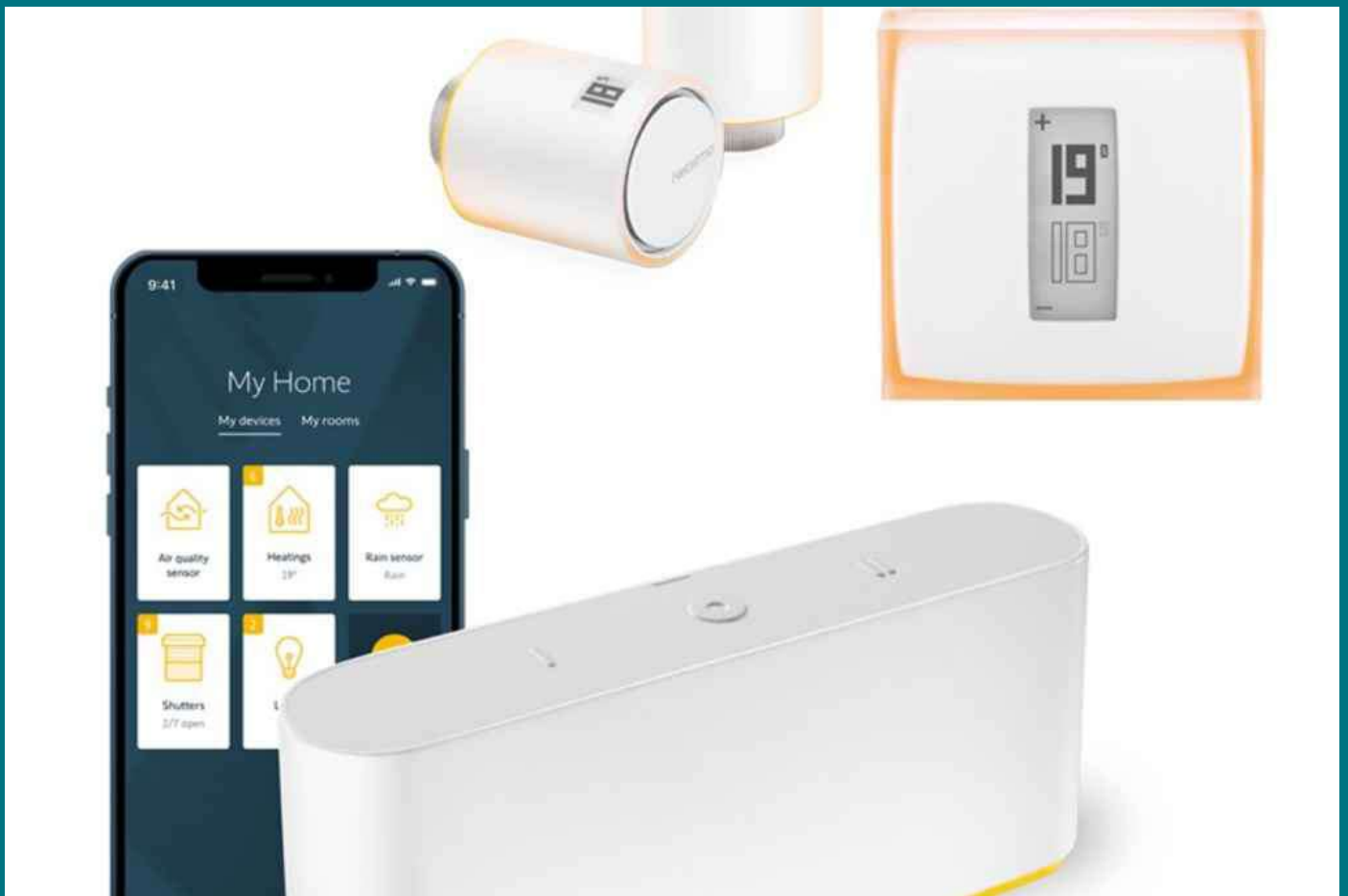
Netatmo and Somfy Enhance Smart Heating Compatibility

Netatmo, a part of the Legrand group, has partnered with Somfy to expand smart home heating capabilities. Somfy, known for its TaHoma Hub, is now integrating Netatmo's Smart Thermostat and Radiator Valves into its ecosystem, offering users improved heating control and energy savings.

This integration enables TaHoma users to manage heating systems easily and automate solar protection based on the home's temperature. Netatmo's General Manager, Alexandre Menu, expressed excitement about the continued collaboration, emphasizing the importance of reducing energy consumption and promoting sustainability.

The new compatibility is a significant step toward a fully connected home, enhancing both comfort and energy efficiency.

Through the TaHoma app, users can control their heating with suggested "scenes." For instance, the 'Arrival' scene automatically activates lights, deactivates the alarm, and sets the thermostat to a comfortable temperature when users return home. Additionally, the Netatmo Thermostat and Radiator Valves feature sensors that help regulate solar protection.

When the indoor temperature rises too high, shutters automatically close, preventing overheating and reducing the need for air conditioning.

Rodolphe Jacson, Vice President of Connected Services at Somfy Group, highlighted the importance of interoperability, allowing users to control both heating and other home devices from a single interface. This integration is in line with Somfy's commitment to innovative, eco-friendly solutions that improve home comfort while lowering energy impact.

URC and Elk Products Launches Second Integration Between Products

URC and ELK Products have launched a second integration between URC's Total Control automation platform and the ELK E27 alarm panels. This new module enables two-way control of the ELK E27 alarm panels through all current URC touchscreens, handheld remotes, phones, and tablets. With URC's touchscreen interfaces, homeowners and commercial managers can easily arm or disarm the ELK E27 alarm panels, monitor the status of any zone in the active partition, view logs, and access a range of other features.

With URC's use of geofencing, homeowners can automate several actions that offer peace-of-mind when entering or leaving garages. URC's Total Control and ELK's E27 systems can be integrated to automatically arm or disarm the system, trigger auxiliary outputs, run tasks, trigger the functions keys, send a text message to the LCD on the code pad, and trigger lighting as the homeowner nears or closes when leaving the property.

Also, this new integration provides a number of events that can be used for more advanced automation, like activating the security sensors to trigger lights. In addition, there are events for the current arming status (Disarmed, Armed Away, Armed Stay, etc.), the arming status (armed with Exit timer, Ready to Arm, etc.), the alarm state (Burglary, Police, Fire, Entry Delay, etc.), and the system state (AC Fail, Battery Low, Comms Failure, etc).

Key Benefits Include:

Peace-of-mind from Anywhere — Confirm the ELK security system is active from any room with Total Control and URC controllers

Simplified Automation — Secure the entire home with a tap or voice command by creating home automation Scenes. Example scenes include a "Leave Home" or "Goodnight" scene that would activate the ELK's E27 security system, close the garage doors, lock the front door, turn off lights, and adjust the thermostat. Voice/Hands-free Control — URC's voice commands through Amazon Alexa, Comcast Xfinity, and Apple TV feature enables security system access as well as all other smart building features.

Unified Control — Use URC's Total Control system for all-in-one control of the entire smart home including lighting, thermostats, locks, security cameras, and more.

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MODEL M1

Wireless Streaming Amplifier

The New Shape of High-Performance Sound

With MODEL M1, high performance meets elegant proportions and intuitive design. Born from decades of Marantz heritage and engineering expertise, this new generation of wireless streaming amplifier transforms the way you experience sound.