

2024

EXPO

NEWS

DAY 3

17-19 JAN 2024 PRAGATI MAIDAN, NEW DELHI



Kunal Kumar (IAS), Joint Secretary and Mission Director, Smart Cities Mission, Ministry of Housing and Urban Affairs, Government of India.

MoHUA

*“Smart Cities is not a choice,
It’s the only way to go”*

On Day 2 of the 31st Convergence India & 9th Smart Cities India, the event was graced with the presence of Kunal Kumar, Joint Secretary & Mission Director, Smart Cities Mission, MoHUA.

The Smart Cities India expo holds a special relationship with the Smart Cities Mission, as the expo was launched alongside the Mission in 2015. In an address to the audience in the Smart Cities conference hall, Mr Kumar was seen reminiscing about the early days of

the Mission’s launch. He recollected that when the word ‘smart’ was initially used, people were unaware of the concept and its true meaning in creating modern cities. Over time, the idea was accepted thanks to the government’s hard work, visionaries in urban planning, and platforms like

the Smart Cities India expo, whose agenda exemplifies the deeper connotation of the idea and converts it into reality.

The Smart Cities Mission has emerged as the most prominent major urban renewal programme focused on modernising the core

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 **HYUNDAI**



From L to R: Rajeev Jain, Additional Director General, Ministry of Housing & Urban Affairs; Kunal Kumar (IAS), Joint Secretary and Mission Director, Smart Cities Mission, Ministry of Housing and Urban Affairs, Government of India.



From L to R: Chandrika Behl, MD, EIG; Kunal Kumar (IAS), Joint Secretary and Mission Director, Smart Cities Mission, MoHUA, Govt of India.



National Smart Cities Mission (MoHUA) Pavilion at the 9th Smart City India Expo.

infrastructure to upgrade the living conditions in the selected 100 cities, giving the citizens an improved quality of life and a clean and sustainable environment. Adoption of 'smart solutions' using technology, information and data has been at the heart of this 'movement'. As part of the Mission, all 100 Smart Cities have established Special Purpose Vehicles (SPVs) to implement Smart City Projects. These 100 SPVs are developing around 8,000 multi-sectoral projects worth more than ₹1.7 lakh crore. As of 15th January 2024, the 100 SPVs have completed 6,650+ projects worth more than ₹1.32 lakh crores.

Kunal Kumar has been closely involved with the Smart Cities Mission since its inception and is presently the National Mission Director. Under Mr Kumar's leadership, the Mission has seen exponential growth in cutting-edge areas such as data, technology and innovation. "I define Smart Cities as our ability to increase the positives, which is the productivity, recreation, health, environment, your good quality of life, and the ability to reduce or mitigate the negatives, which are crime, traffic, air pollution, etc. your ability to do that is what is smartness", said Mr. Kumar.

Regarding the '5Ts', Mr Kumar said the First T or Trust is crucial for the Smart Cities programme. "If you have looked at how the government has done programmes in the past or even the current programmes, the degrees of freedom given to cities to select what they want to do and the degree of freedom to do it the way they want to do has been the highest as far as the Smart Cities mission is concerned".

The Second T, or Tolerance, is all about doing transformative work, "when we are trying to do things that will be new and are going to set the tone for tomorrow, and we don't know how to approach it because this is an uncharted territory for us". He explained that the need of the hour is to have local templates. We all are dependent on Western templates. "We need to develop templates suitable to the Indian context, at one-tenth of the price, and gives good quality. We need 'affordable excellence'".

The Third T, or Talent, is about investments in creating IT talent. "It is important that we continuously build talent to deal with situations, which is an ongoing process. Talent development is a joint effort of industry, academia, research organisations, civil societies, and

As part of the Mission, all 100 Smart Cities have established Special Purpose Vehicles (SPVs) to implement Smart City Projects

government. altogether."

The Fourth T or Technology is crucial for the success of the Mission. "We have seen solutions emerging that are focussed on India. There are companies which are producing excellent results, despite all odds like data constraints, weak administration, financial constraints, environmental situation, etc. We have to look at tech that augments the capacity of existing individuals to do better."

The Fifth T is Time. "There may never be a time when they call your city 'smart' because it's always going to be a journey. Therefore, your ability to continuously adapt, be resilient, be ready for the future, be able to look at society in an inter-generational equity manner where you are not using resources today. We must allow ourselves the time and be patient with the process."

Speaking about the Smart Cities India expo, Mr Kumar said that few venues are offering a comprehensive

platform for the different components that help make a smart city. Therefore, it is tough to organise an exhibition which depicts all the virtues of 'Smartness'. He thanked the event organiser, i.e., Exhibitions India, for putting up a fantastic show.

Smart Cities Mission at the 9th Smart Cities India Expo

The Smart Cities Mission is showcasing the achievements of the Mission at the National Smart Cities Mission Pavilion. On display are models of some of the most impactful projects, including the Chappan Dukaan of Indore Smart City, Connecting Past with Future of Surat Smart City, Area-Based Development of Udaipur Smart City and Digitisation of Manuscripts of Prayagraj Smart City. A total of 12 cities are participating at the event and showcasing their achievements across diverse smart city projects initiated as part of the Mission. ■



Hectic Activity in the Startup Pavilion

The 31st Convergence Exhibition and the 9th Smart City Expo got an excellent response from visitors on Day 2 of the exhibition. There was equal interest in the conference sessions, product launches, and other activities organised by exhibitors to attract people.

The day's highlight was a visit

by Kunal Kumar, Joint Secretary & Mission Director, Smart Cities Mission, MoHUA. In an address to a large gathering comprising media, participants and curious onlookers, he observed, "Smart Cities is not a choice; it's the only way to go". Earlier, Shri. Piyush Goyal, Hon'ble Minister of Commerce & Industry, Consumer Affairs, Food & Public Distribution, and Textiles also

visited the event. He observed that "The electronics sector is growing from strength to strength both in the services and hardware sectors, which will define India's journey in the 'Amrit Kaal'.

In the Startup arena, an engaging, inspiring, and motivating "Investor's Pitch" session showcased innovative ideas and a challenging Q&A by

the distinguished jury. Products and ideas were shared across domains such as the healthcare sector, sustainable construction, integrated motor solutions, organic farming, and video chatbots.

Startup Big-O-Health showcased its mobile application that tackles the accessibility problem to qualified doctors in Tier 3 & 4 cities, besides



assisting with medical tests and delivery of affordable medicines. CEIR Mobility Pvt Ltd provides a creative solution of integrated motors for essential vehicles such as e-rickshaws and heavy industrial machines. Another startup, SOLYIELD, solves the problem of under-performance of solar panels, resulting in a whopping loss of 15 bn \$ a year globally.

The competition winner was GoHemp Agro Ventures Pvt. Ltd., a company that is into sustainable construction and utilises bio-waste and hemp to create long-lasting sustainable buildings. The winner received the "Prem Behl's Excellence Award", a cash prize of ₹1 Lakh from Exhibition India, and a fully funded participation in the reputed Expand North Star



Piyush Goyal, Hon'ble Union Minister, Ministry of Commerce and Industry, Government of India

The expo has provided a platform for several interesting concepts across diverse verticals

Exhibition, Dubai.

The expo has provided a platform for several interesting concepts across diverse verticals. Skyworth Technologies exhibited Motion Gaming, a new concept that is impatiently awaited by the Indian audience. Another product that attracted visitors was the Augmented Reality Glasses, a futuristic idea to watch movies and series in one's leisure time without screens.

Reputed companies such as Hyundai, Maruti, and MG are also displaying several electric vehicles. Mahindra Automotive displayed a simulator to provide the same experience as the Mahindra XUV 400 without needing a test drive. The visitors immensely enjoyed this.

As the day progressed, the participants shared their enthusiasm over the fantastic response received by the expo. A representative from ZOH0 shared, "The Expo has been a very productive initiative for us. Apart from enterprises, we also have robotics and artificial intelligence students visiting us to explore collaboration opportunities."

Among the international participants, a representative from the Government of Moscow shared that their experience was interesting and their engagement with the prospective clients was encouraging".

Looking forward to Day 3, be prepared to enjoy the sought after Smart City Awards! ■



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Amani Battery: Powering Devices Reliably



Tarun Bhutani
Managing Director
Amani Battery

Tell us about the philosophy and vision of Amani Battery.

Our company is about creating better battery and power banks for your devices. We

want to make technology work seamlessly in your life by providing reliable, super-efficient, and eco-friendly power solutions.

What innovations are being developed by the company?

We are working on making mobile batteries better in every way, which means batteries that last longer, charge faster, and perform even better. We are also exploring ways to use materials that are good for the environment.

Please talk about your display at Convergence India.

We will show our newest batteries that can store more power, charge quickly, and even manage power in smart ways. We will also highlight how conscious Amari is about the environment by using better

product materials.

What can we expect from your company in the future?

We are putting much effort into making our products more environmentally friendly. We want to be leaders in using materials that can be recycled. We are focused on making batteries that last longer and work smarter. In the future, we will launch our products to new markets and partner with like-minded people

to make the batteries and power banks more efficient.

What kind of challenges are hampering the growth of the industry?

Our industry faces challenges like keeping up with new gadgets, making batteries last longer, and being more eco-friendly. There are also issues regarding the sourcing of parts. Despite these challenges, we see them as an opportunity to get better.

At the mobile battery and power banks OEM, we want to make your devices work seamlessly in your life. We're always trying to make better batteries and power banks



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BI42

TRANSFORMING BUSINESS INTELLIGENCE



Ashish Mehta
Director, BI42

In the dynamic landscape of business intelligence, BI42 stands out as a trailblazer, revolutionising how large organisations harness data for decision-making. Rooted in a mission to disrupt traditional business intelligence, BI42 is

driven by a vision to empower data-driven decision-making in heterogeneous enterprise landscapes, ushering in a new era of actionable insights.

The company has a clear mission: To disrupt and transform business intelligence for large organisations. It envisions achieving this by deploying bespoke generative artificial intelligence (AI) technology, fostering data-driven decision-making, and facilitating actionable insights. BI42's goals include redefining how enterprises approach and derive value from their data, ensuring that insights are comprehensive and immediately applicable to the organisation's strategies.

At the forefront of BI42's innovations is its generative AI-powered platform with cloud and on-premise capabilities. This platform seamlessly integrates diverse internal data sources, from databases

(Oracle, SAP, Salesforce) and spreadsheets (MS Excel) to PDFs. This innovation allows for comprehensive data accessibility, enabling users to ask real-time questions and receive immediate insights. The platform's deep integration with various tools, including accounting software like Tally and on-the-go connectivity via WhatsApp, positions BI42 as a versatile solution for modern enterprises. All of this is in an easy-to-use

ChatGPT-like interactive tool!

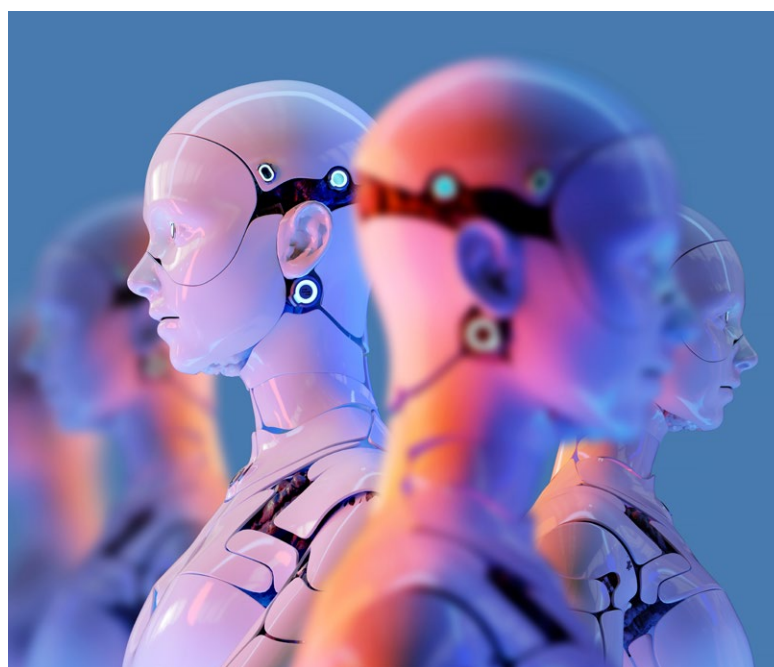
As with any transformative endeavour, BI42 acknowledges challenges in the industry. The complexity of integrating diverse data sources, ensuring data security, and navigating industry-specific regulations are recognised as potential roadblocks. However, BI42's commitment to robust access control and compliance mechanisms aims to address these challenges head-on,

At BI42, we turn data into a tailored symphony of insights for your business. Our goal is to shape a future where decisions reflect the dynamic nature of your data, making us stand out in the world of business intelligence



ensuring secure and compliant data access for users. In advocating for the business intelligence sector, BI42 emphasises the importance of data security and compliance. The company recognises the need for industry-wide standards that align with evolving data protection regulations. The company actively participates in dialogues to shape policies that foster innovation while ensuring responsible and ethical data usage. We are compliant with the OWASP's ten commandments for LLM applications.

At the Convergence India expo, BI42 will showcase its cutting-edge generative AI-powered platform on Stall B134 in Hall 3. The platform's ability to integrate



diverse data sources, support real-time interactive querying, and offer on-the-go connectivity will be highlighted. Visitors can expect live demonstrations illustrating how we transform data into actionable intelligence.

BI42's solutions and technologies contribute to a better tomorrow by empowering organisations to make informed decisions based on their data. The platform's versatility, security measures, and compliance features ensure that businesses can harness their data's full potential without compromising integrity. BI42 envisions a future where data-driven decision-making becomes more accessible, agile, and impactful, driving positive change across industries. ■

Providing Excellence in Products, Solutions and Service Support



Sanjeev Bhasin
MD, CEECO

Please share something about the company's mission, goals and vision.

With over three decades of industry presence, CEECO Technologies is well known for providing excellence in products, solutions and service support. As a company, we have always followed this philosophy and will continue to do so in the

foreseeable future.

We have always taken a solution-centric approach, and all our offerings diligently follow this principle. Innovation has been our hallmark, and even our new offerings consider this.

What technologies will be showcased by the company at the expo?

At Convergence India, we will showcase Barco's UniSee Videowalls and Ctrl solutions. We endeavour to display the strength of Barco UniSee + Ctrl solutions and the flexibility of standalone Ctrl solutions to be used with video walls and 4k displays from all major brands. This makes Barco Ctrl a powerful add-on for various OEM brands, system integrators, consultants, etc. They can position themselves to complement their brand with back-end devices from a credible and trusted name like Barco to create video wall solutions

for their customers. Besides these, the Operator Desk, using ergonomically specialised furniture, monitors, Philips video-conferencing devices, and ClickShare wireless content-sharing devices, will be shown.

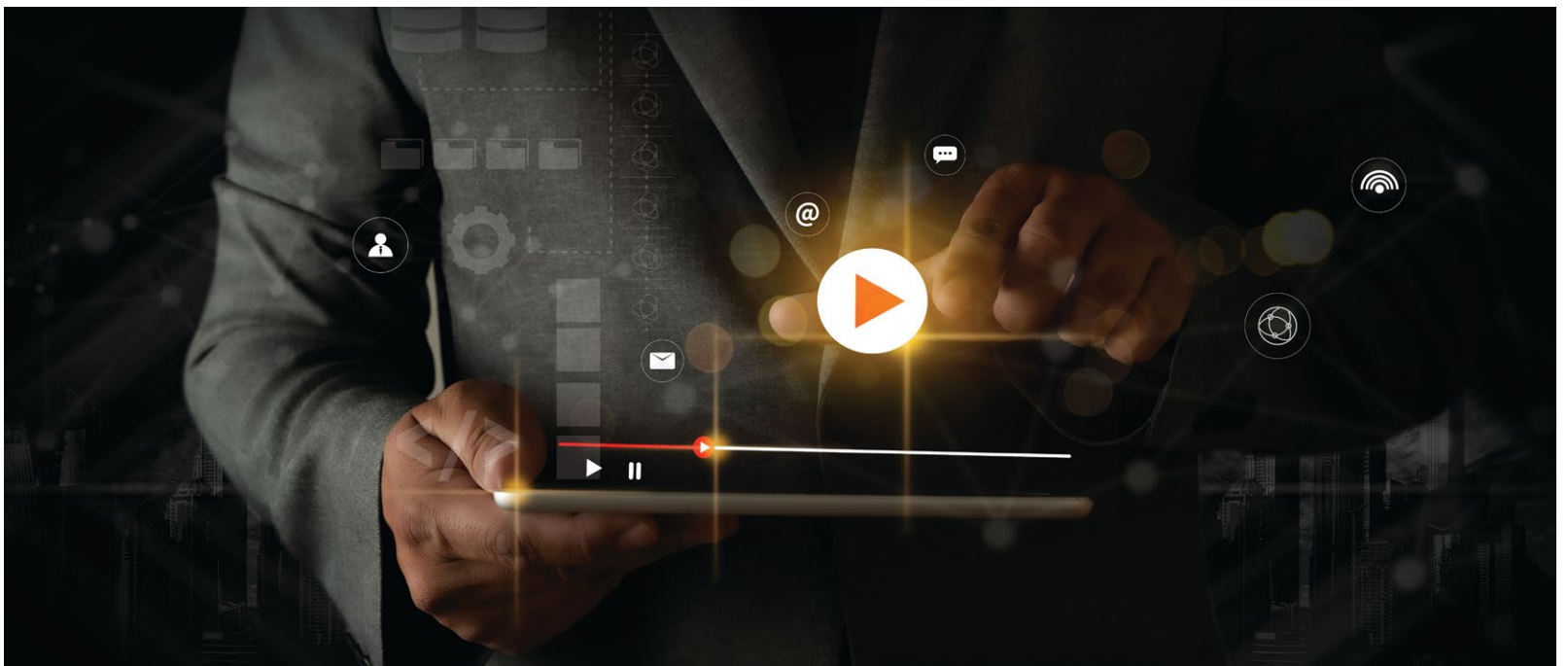
The solutions being showcased can be deployed in various segments like typical control rooms, NOC rooms, boardrooms, collaboration rooms, experience centres, decision rooms, war rooms, and practically every place that deals with a lot of content from servers, IP cameras, sensors and a host of other sources. The solutions offered make it very

simple to view multiple sources simultaneously on large displays for analysis and decision making of any kind.

How can your solutions be leveraged for a better tomorrow?

CEEEO sincerely believes that our solutions will become critical for a country like India and play an essential role in a growing market by allowing key decision-makers to analyse and decipher live feeds from various sources and arrive at quick and correct decisions at the press of a button. Our solutions are highly robust and minimise operator fatigue. ■

Return On Investment is no longer an empty rhetoric! It has become a valuable tool while planning investments and returns



mahindra ^{Rise}

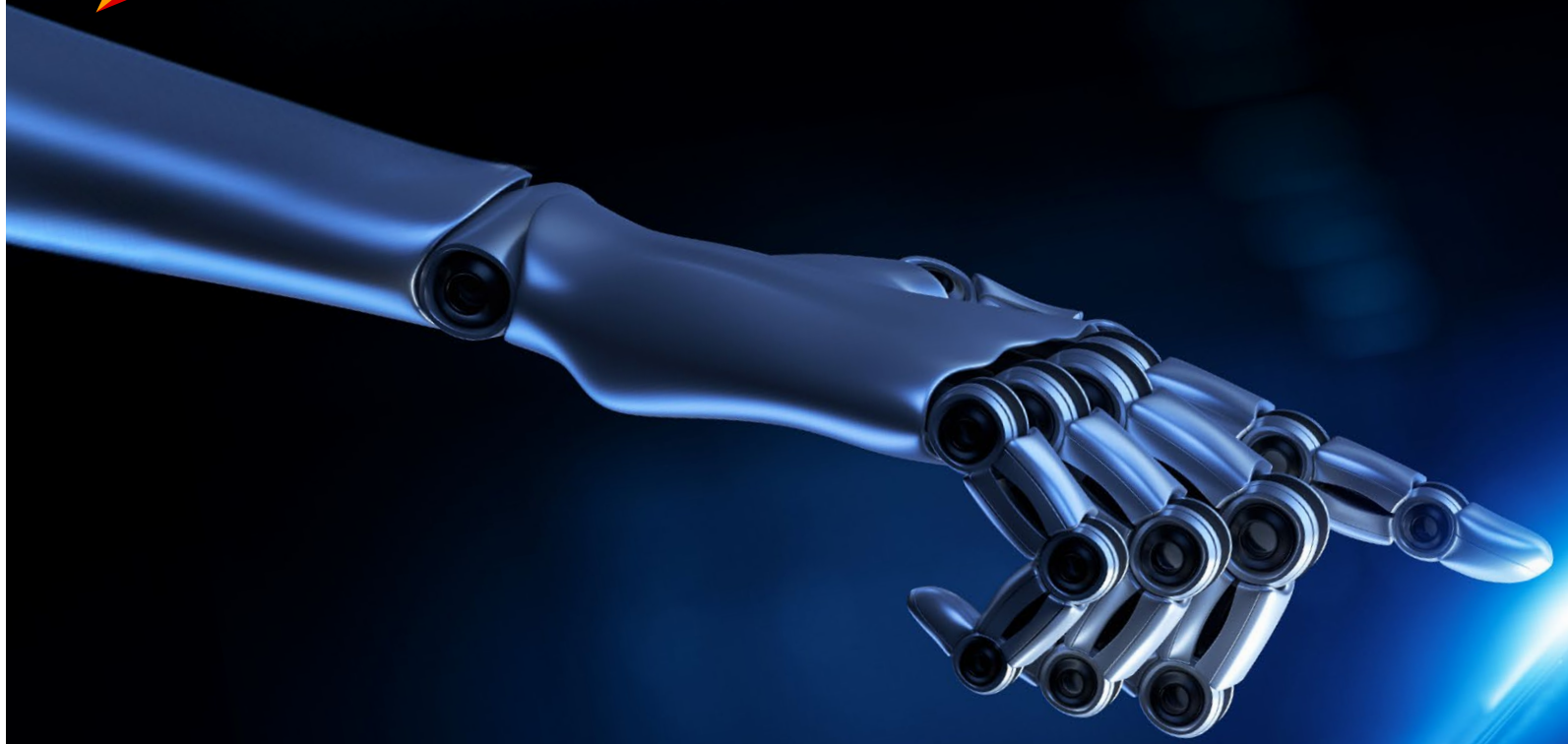
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Manufacturing Bionic Limb Prostheses



Ashot Hovsepyan
Founder and CEO,
HI.BIONIC.HAND LLC

HI. BIONIC.HAND LLC is engaged in designing and manufacturing bionic limb prostheses. The company's founder is a doctor who noticed a global problem – a marked increase in the disability rate and a need for supporting technology products. Only 15% of people having amputated limbs use functional bionic prostheses. The reason is the discomfort, lack of functionality, and unobservant and complicated management of existing prostheses.

The start-up company was founded in 2021, and the HBH-1

bionic hand prosthesis was created in just two years. It is a multi-functional prosthetic where all fingers fold separately, the thumb extends and retracts, and the wrist folds and rotates. It is light and made using the latest technologies and materials, such as 3D printing of titanium parts, composite carbon parts, aluminium alloys, etc. Its management algorithms are simple, easy to apply, and do not require long training sessions. The grips can be combined, which increases the user's functionality and application of individual grips. The grip strength is also manageable.

The engineers of HI designed the EMG surface sensors controlling HBH-1.BIONIC.HAND.

Currently, the company is working on a sensor that can be implanted on the nerve. The company already has a model that will soon be tested on animals. This sensor makes it possible to record the nerve impulse isolated from each axon in the nerve structure. The technical solution enables the integration of the devices, in this case, prostheses, into the peripheral nervous system of the person.

This is a global innovation, as similar work is already

The event is an excellent opportunity to communicate with companies presenting high-tech products and find common ground for cooperation



to the prosthesis. Prospects also emerge in spinal cord injury treatment by sending intermediary orders through the sensor and walking by exoskeletons. This genuinely revolutionary innovation will change the future for the better.

In the framework of constant development, the following next steps will be carried out:

- Designing the HBH-2 model, which will have a possibility of fine motor grips.
- The production of partly personalised prostheses for particular sports types, feet prostheses and prostheses for children.

The Convergence India Expo is a high-class event and an excellent opportunity to communicate with companies presenting high-tech products and find common ground for cooperation. Thanks to the Ministry of High-Tech Industry of the Republic of Armenia, we will present two examples of HBS-1 hand prostheses at the exhibition.

We hope to have an opportunity for a mutually beneficial cooperation. Such cooperation is crucial for reinforcing the Armenian-Indian friendship, overcoming global challenges together, finding effective ways of communication after the pandemic, and managing smooth business processes. ■

underway in other parts of the world. However, there still needs to be a serial product for humans. Implementing this innovative technology will enable the prostheses (and later, the devices that add additional features) to be controlled intuitively. Regardless of the level of amputation, the sensor records isolated impulses from the brain to the level of the nerve transection and transmits them as commands to the prosthesis. Due to this, the prosthesis is controlled intuitively like a hand. Also, nerve feedback can impart tactile and thermal sensitivity





*Nate Srinath
Founder-Director,
Inxee Systems*

Inxee Systems is a beacon of innovation and purpose in today's evolving business landscape. Established in 2010, Inxee is an electronics design and manufacturing company (OEM/ODM). The company has indigenously manufactured products for the aviation, automation, medical, consumer and defence electronics segments. Inxee develops and engineers solutions for businesses while extending cost savings of global tooling, procurement, and manufacturing.

Mission

The company aims to be a quality international brand in

India's electronics OEM/ODM domain. We aim to lead the industry by leveraging cutting-edge technologies like artificial intelligence, machine learning, and the Internet of Things (IoT) to create advanced electronics products, embedded software, and hardware solutions.

We hope to play a big part in India's electronics growth story in the years ahead to make "Made in India" a worldwide phenomenon.

Products on Offer

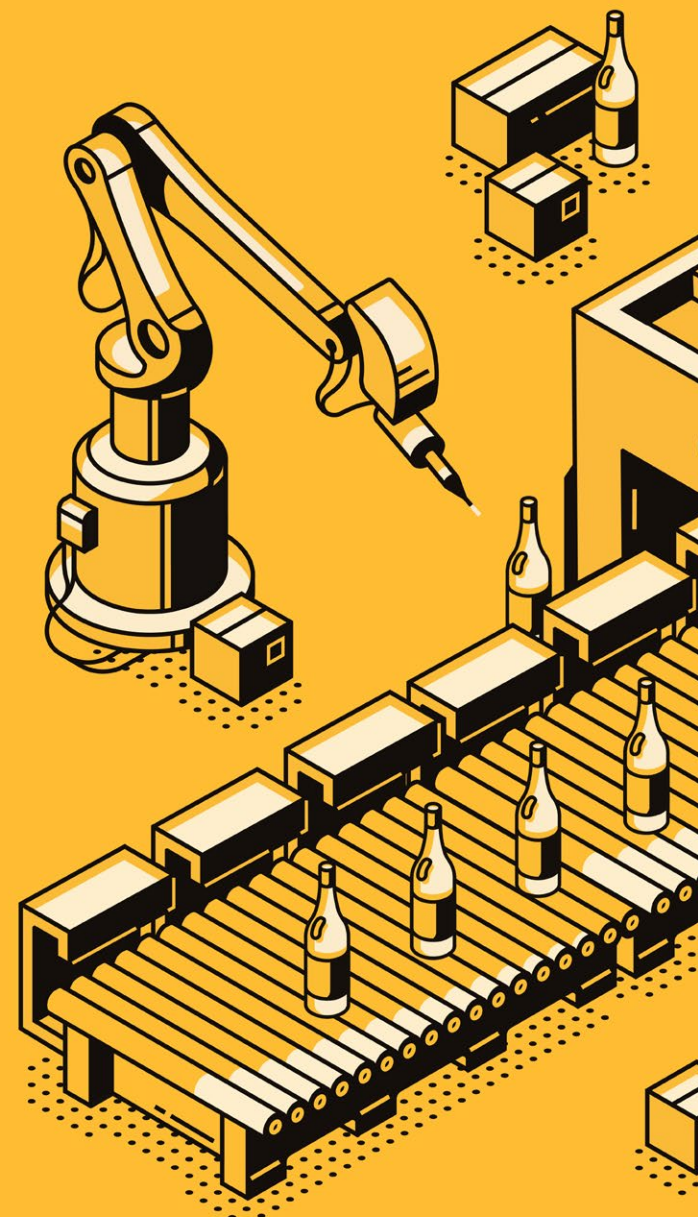
Inxee is currently developing and manufacturing multiple smart consumer electronic products. Besides deploying its first aviation

product to automate airport operations, it manufactures various products in the industrial IoT segment.

Cutting-Edge Innovations

Payment Soundbox: It is a one-of-a-kind 'Payment Sound Box', an advanced solution designed to infuse sophistication and engagement into the payment process as a step towards redefining the landscape of financial interactions. This cutting-edge product defies convention by combining technology and sensory experience to create a refined and memorable financial transaction. Accept payments anywhere and

Making India a Preferred Supplier of Electronic Products and Services



reduce missed sales with the 4G Payment Soundbox SBX4-001. This all-in-one soundbox solution enables contactless transactions while providing clear audio cues to your customers. The 4G with 2G fallback cellular connectivity lets you process payments reliably without Wi-Fi. multiple payment platforms.

- 4G cellular connectivity for reliable payments on the go
- Integrates with your preferred payment gateway for a simple setup.
- Quality 2W speaker announces transactions and provides audio cues.
- MicroSD support and built-in flash

memory stores the payment data.

- Long-lasting 2200 mAh battery that lasts throughout your business day.

Other Soundbox Wi-Fi and Bluetooth-enabled products with different display sizes and integration with multiple local languages are:

GPS products: Given our specialisation in electronics design, manufacturing, and industrial IoT/ automation products, we leverage our expertise to offer comprehensive GPS tracking solutions tailored to the specific needs of businesses. We integrate GPS tracking capabilities seamlessly with our Industrial IoT solutions.



Few GPS Tracking solutions developed by us:

- Asset Trackers (Mini LBS Tracker AT2L-007, Mini GPS Tracker AT2GS-022, GPS Asset Tracker AT2G-050, GPS Asset Tracker XL AT2GX-100)
- Vehicle Trackers (2G LBS Vehicle Tracker with SOS VT2LS-001, 2G Vehicle Tracker VT2G – 004, 4G Vehicle Tracker VT4G – 002)
- Wearables (Industrial GPS Wearable IW2G-009, Industrial GPS Wearable XL IW2GL-010, GPS Badge GB2G-015)

WiSUN/PLC Gateway & Devices:

Inxee is the first company in India to bring WiSUN/PLC gateway and device technology to industrial IoT and smart city applications. This allows sub-GHz wireless with a wired backup network to provide highly reliable IoT communications in mission-critical industrial and smart city applications. The end user can select between a wireless or wired network, giving maximum flexibility for the IoT system deployment.

WiSUN Specifications:

- Frequency Band of 865-867 MHz
- Communication protocol is Wi-Sun
- Data rate speeds up to 300
- Star and hybrid network configurations for flexible setup
- External antenna can be optimally positioned
- Powerful 30 dBm maximum output for exceptional range and coverage

PLC Specifications:

- Carrier Frequency Bands- band0 (1.953~11.96MHz), band1 (2.441~5.615MHz), band2

(0.781~2.930MHz), band3 (1.758~2.930MHz)

- Modulation- OFDM modulation that ensures reliable communication
- Communication Protocol- HPLC
- Data transmission of up to 300 Kbps across multiple powerline frequency bands
- Star and hybrid network configurations for flexible setup.

Inxee Systems at Convergence India 2024

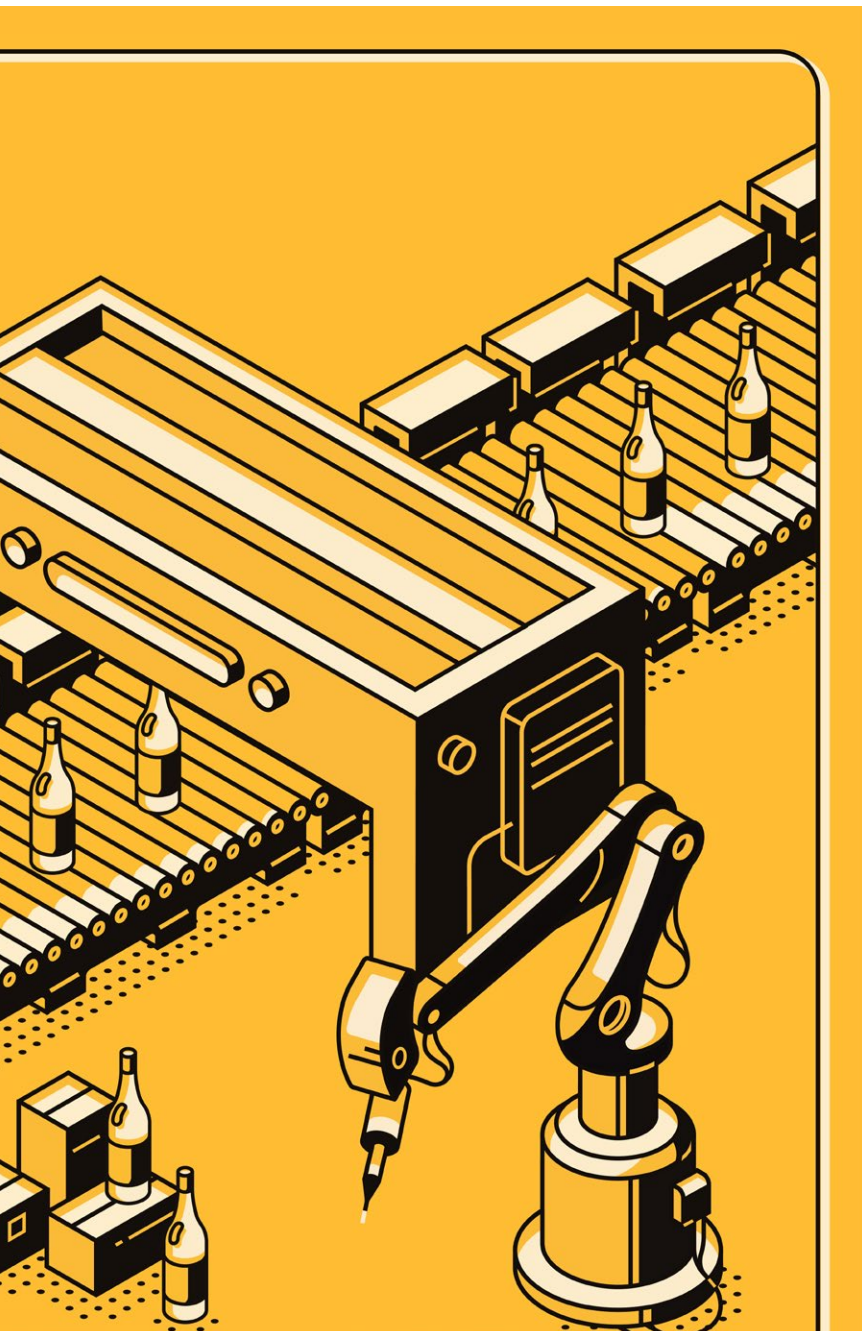
Inxee Systems will showcase its latest launches and products at the highly anticipated IoT India Expo 2024. Visit us at the 31st Convergence India and IoT India Expo from 17 January in Hall No.3, Booth No. B270.

Payment Sound Box

Step into a new era of financial interactions with our range of 4G, Wi-Fi and Bluetooth-enabled payment soundboxes. These devices seamlessly integrate into your existing payment infrastructure. With easy installation and compatibility across payment methods, this innovative device adds a touch of sophistication to any point-of-sale environment.

WiSUN/PLC Gateway and Device for Industrial IoT & Smart City

Inxee is the first company in India to bring WiSUN/PLC gateway and device technology to industrial IoT and smart city applications. This allows sub-GHz wireless with a wired backup network to provide highly reliable IoT communications in mission-critical industrial and smart city applications. ■



Revolutionising Industrial Automation with Innovation

The industrial landscape is undergoing a significant transformation, driven by the ever-increasing adoption of cutting-edge technologies like IoT and AI. In this dynamic arena, IONICKS, a leading innovator in industrial automation solutions, has unveiled its latest groundbreaking creation - **electža**, an IoT-powered multi-purpose industrial control system.

IONICKS is a leading innovator in the industrial automation industry, specialising in developing cutting-edge, multi-purpose equipment infused with Internet of Things (IoT) capabilities. The company's game-changing solutions transform businesses across diverse sectors, from manufacturing and energy to agriculture and healthcare.

Modular Design for Unmatched Versatility

IONICKS strength lies in its commitment to modularity. Unlike traditional, monolithic control systems, the equipment is built around individual, intelligent modules called 'ions'. These ions specialise in specific functions such as motor control, temperature regulation, or data acquisition. Users can mix and match these ions to create a customised control system that perfectly aligns with their unique needs and applications.

A New Paradigm in Industrial Control

The **electža** system transcends the limitations of conventional industrial control systems by seamlessly integrating cutting-edge IoT technology with a user-friendly and intuitive interface. This powerful combination unlocks many advantages, empowering businesses to optimise their operations, enhance efficiency,

and gain deeper insights into their production processes.

Unveiling the Potential of **electža**

Let's delve deeper into the remarkable capabilities of **electža**:

• Unmatched Connectivity:

electža leverages the power of IoT to seamlessly connect various industrial devices and machines on a single platform. This fosters real-time data exchange, enabling centralised monitoring and control, irrespective of geographical constraints.

• **Enhanced Flexibility:** Gone are the days of rigid, inflexible control systems. **electža** boasts exceptional modularity and scalability, allowing for effortless customisation to cater to diverse industrial needs and applications. Whether you operate a small-scale manufacturing unit or a sprawling production facility, **electža** can adapt to your evolving requirements.

• **Data-Driven Insights:** **electža** empowers businesses to harness the power of data by collecting and analysing real-time information from connected devices. This

valuable data stream translates into actionable insights, enabling informed decision-making, predictive maintenance, and optimised resource allocation.

• **Unparalleled Efficiency:** By streamlining operations and automating tedious tasks, **electža** significantly reduces downtime and production bottlenecks. This translates into increased throughput, enhanced product quality, and maximised profitability.

• **User-friendly Interface:** Steering clear of complex interfaces, **electža** prioritises user experience with its intuitive and easy-to-navigate platform. This ensures seamless adoption and empowers personnel of all skill levels to leverage the system's full Potential.

A Glimpse into the Future of Industrial Automation

The **electža** system represents a significant leap forward in industrial control systems. Its robust capabilities and intuitive design position it as a game-changer, empowering businesses to navigate the ever-evolving industrial

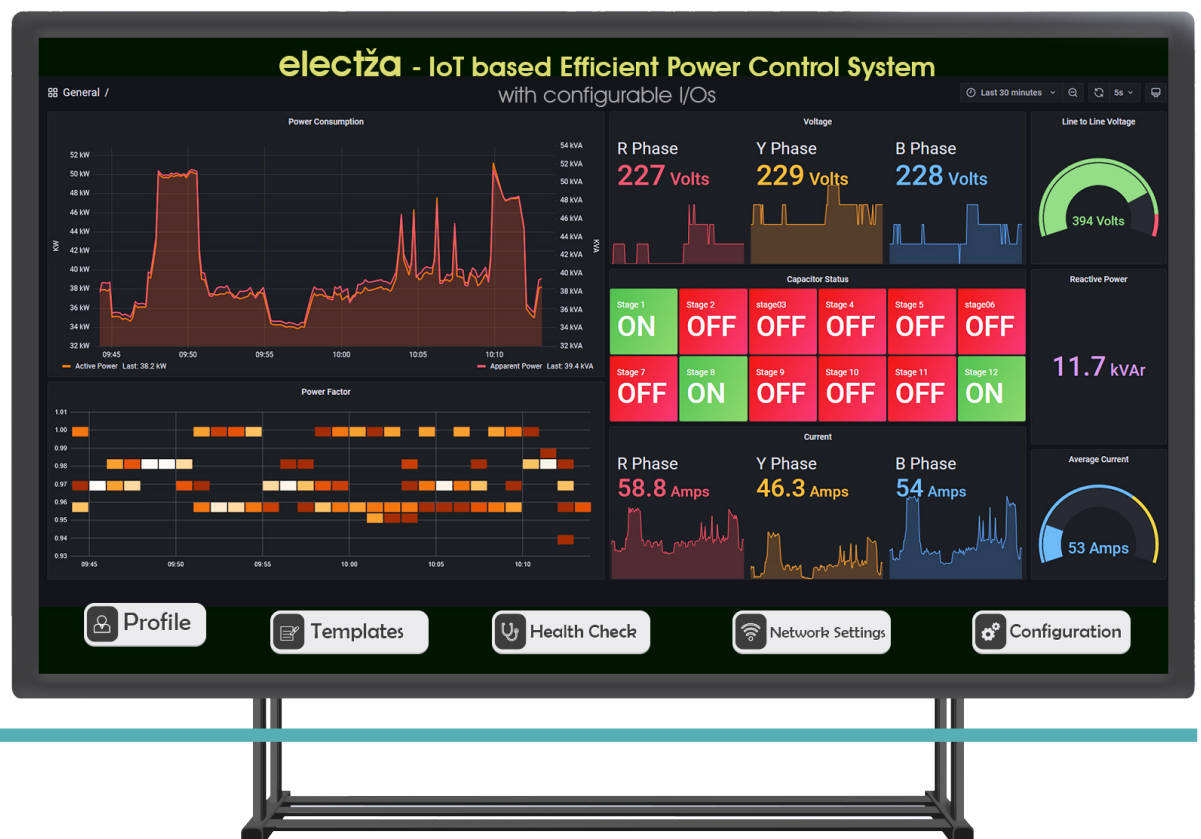
landscape with agility and success.

IONICKS at the Forefront of Innovation

The development of **electža** underscores IONICKS unwavering commitment to pioneering advancements in industrial automation. With a relentless focus on innovation and a dedication to exceeding customer expectations, IONICKS is poised to shape the future of industrial operations, paving the way for a smarter, more efficient, and more productive industrial ecosystem.

IONICKS: A Beacon of Progress in Industrial Automation

IONICKS is at the forefront of industrial automation, where intelligence, versatility, and connectivity converge to unlock unprecedented efficiency, productivity, and innovation levels. With its commitment to modularity, embedded intelligence, and IoT integration, it empowers businesses of all sizes to unlock their full potential and thrive in the ever-evolving industrial landscape. ■





Shaping the Future of Digital Design Education



Prof. Nien Siao
Dean, JS Institute Of Design

For over 50 years, Jagdish Store has been a household name in India, known for its quality home decor and furnishings. With an eye on the evolving needs of the modern world, it established the JS Institute of Design (JSID) to cultivate adept design professionals equipped for contemporary challenges. JSID, through its 12-month postgraduate programme in Interior Design, embraces a project-based learning approach complemented by a six-month internship with leading organisations. This blend of theory

and practical experience ensures that students are not just designers but visionaries in their field.

The recent collaboration with France's École Intuit Lab significantly expands JSID's educational horizon in New Delhi. Through this partnership, JSID now offers a range of undergraduate programmes in Game Art & Design, Visual Communication, and Digital Product Design, as well as a postgraduate programme in Advertising, Design, and Digital Communication. These programmes aim to foster a culture of innovation and creativity, making it a testament to the institute's commitment to providing a globally informed and locally relevant education.

The desire to educate and inspire is at the heart of JSID's philosophy. Dean Nien Siao of École Intuit Lab Delhi personifies this ethos. With over three decades of experience in design education and practice, Prof. Siao has been instrumental in shaping the next generation of designers. Her vision for the college is continuous growth, adaptability, and preparation for the future, aiming to create a dynamic institution at the forefront of emerging technologies and innovation.

The field of digital design is vast and dynamic, encompassing everything from web and graphic design to animation and user

experience. As technology evolves rapidly, the demand for skilled digital designers has skyrocketed. These professionals are the creative minds behind the compelling visuals, user interfaces, and interactive experiences that populate our digital world. They work across various sectors, crafting the aesthetic and functional elements of websites, applications, and multimedia content. The industry values artistic talent, technical skill, problem-solving, adaptability, and continuous learning. As businesses and consumers increasingly rely on digital platforms for communication, entertainment, and commerce, the need for innovative digital design is more pronounced than ever, making it a promising and lucrative field with vast opportunities for specialisation and advancement.

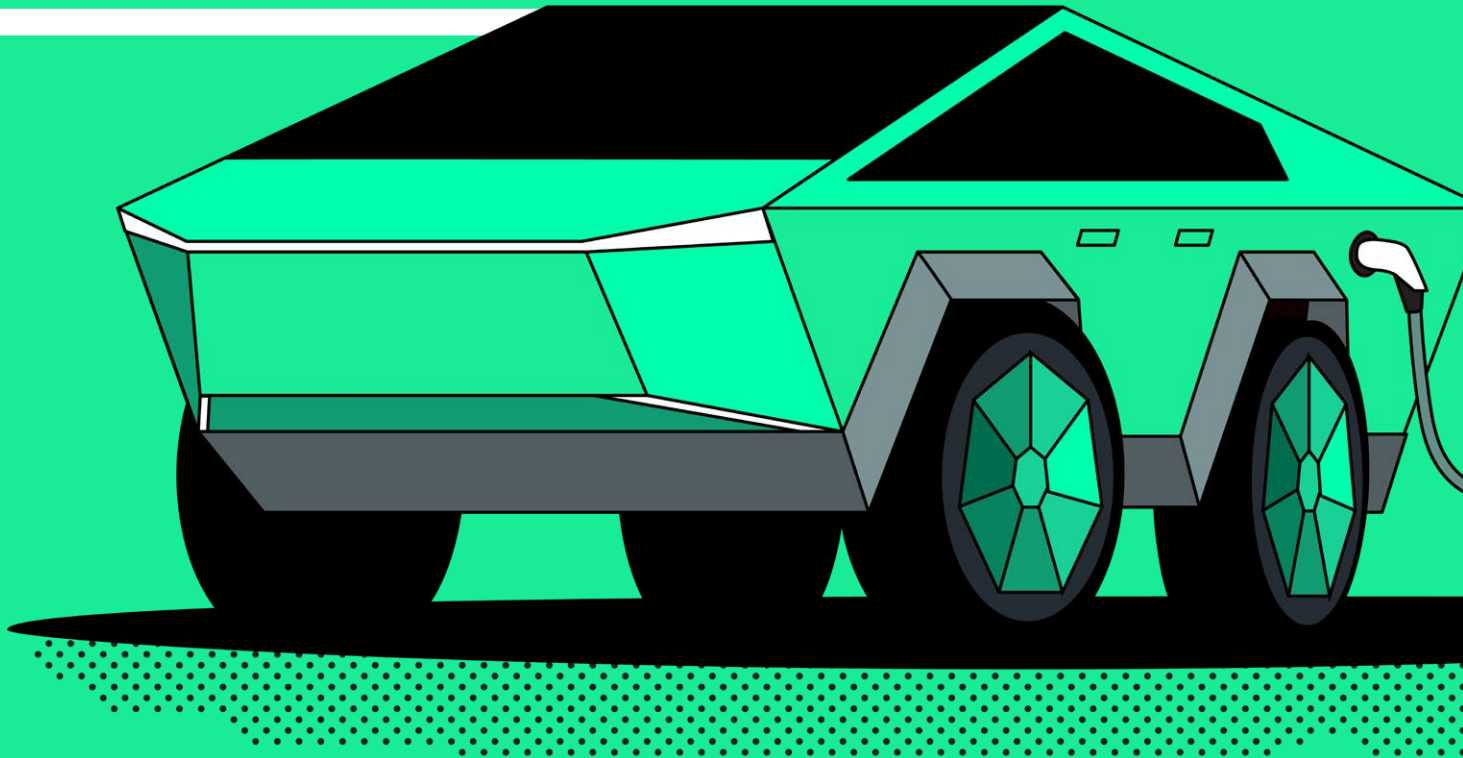
The gaming industry stands out as a particularly vibrant sector within this expansive field. Game art and design is a discipline that combines creativity, technology, and storytelling to create immersive and engaging interactive experiences. As digital technology advances, game designers and artists play a crucial role in shaping the games that captivate a diverse and growing audience. This industry offers a range of career paths, from game design and development

to animation and 3D modelling, each providing a unique blend of artistic expression and technical challenge. As the global gaming market expands, professionals find themselves at the forefront of entertainment, creating the virtual worlds and experiences that define modern gaming culture.

The JSID and the École Intuit Lab alliance's unique attributes and offerings set them apart from other institutions. The focus on the digital domain, the involvement of industry professionals as faculty, and the commitment to practical, hands-on learning ensure that students are well-prepared with the best industry practices. The curriculum is designed to be cutting-edge, incorporating international exposure and ample internship opportunities, making graduates job-ready and industry leaders.

JSID, in partnership with École Intuit Lab, is more than an educational institution; it's a vision for the future of design education. It's about preparing students for the ever-evolving world, nurturing their creative identity, and empowering them to lead with responsibility. The institute is a beacon of innovation and creativity, shaping proficient design professionals ready to contribute significantly to the global design narrative. ■

Revolutionising Electric Mobility



Nidhi Gupta
Co-Founder & COO
JT Mobility

As the world transitions towards sustainable and eco-friendly modes of transportation, the electric vehicle (EV) revolution is gaining momentum. At the

forefront of this transformation is JT Mobility Pvt. Ltd., a pioneering company redefining the electric mobility landscape with its cutting-edge portable charging solutions. JT Mobility's 'Made in India' advanced charging solutions are revolutionising the EV charging experience and contributing to the country's vision of self-reliance.

JT Mobility has emerged as a prominent player in the electric mobility sector, leveraging innovation to address the evolving needs of electric vehicle users. The company's advanced portable charging solutions exemplify a commitment to technological excellence and environmental sustainability. We have been at the forefront of EV charging since inception. It is a status that we have worked tirelessly to earn and maintain. Being a leader requires us to be constantly in tune with the fast-

paced development of electric vehicles and the technologies that keep them moving. It means continuously learning, innovating, and adapting our EV charging technology. We stay in front so you can make the most of advances.

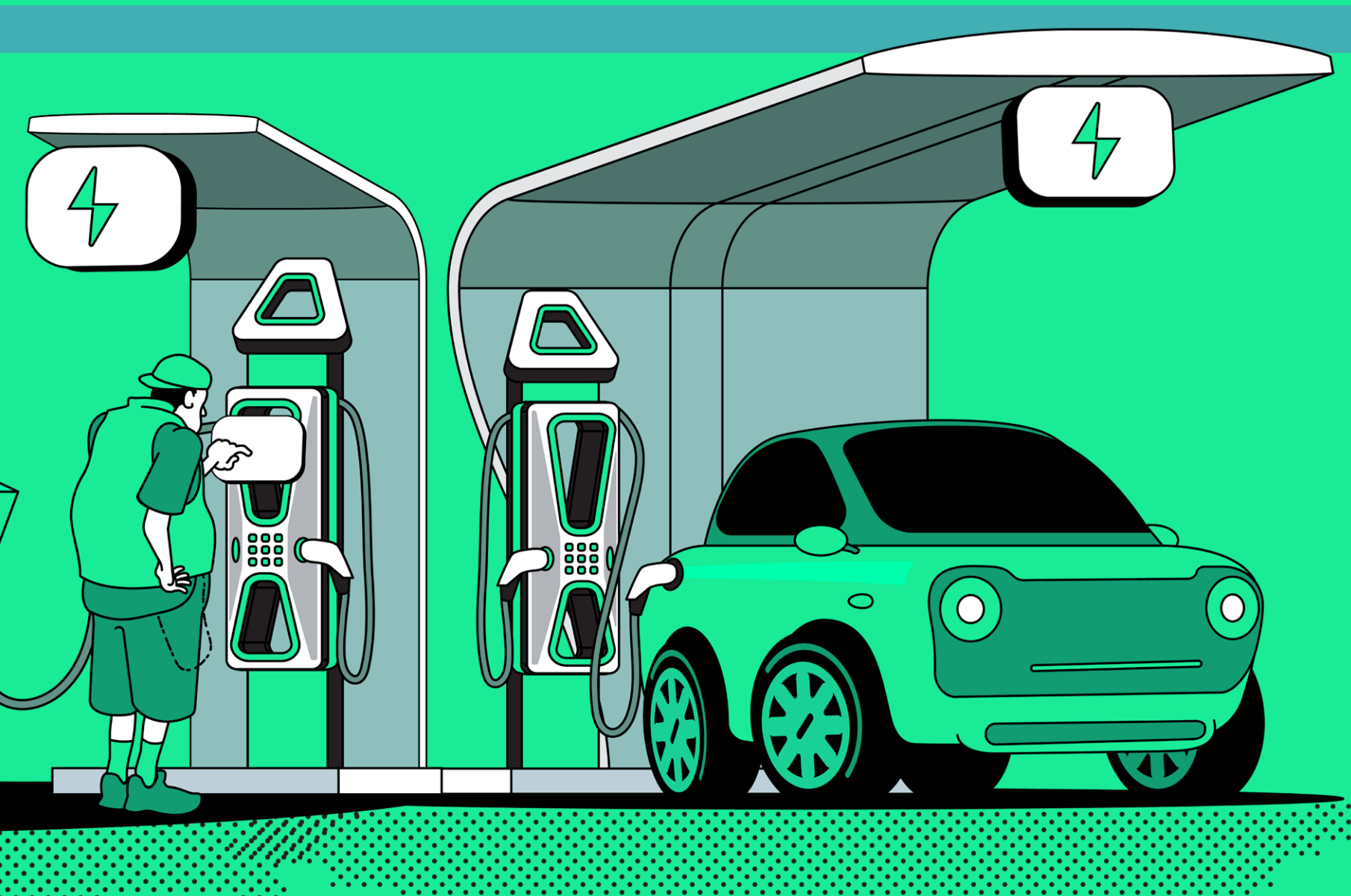
Portable Home-based Charging Solutions

A key element in the widespread adoption of EVs is the accessibility to convenient charging solutions. Portable home-based EV charging solutions have emerged as a game-changer, offering EV owners the flexibility and convenience of charging their vehicles from their homes. Home-based charging addresses a fundamental requirement for EV owners – the ability to charge their vehicles conveniently and cost-effectively. As more individuals transition to electric vehicles, the need for home-

based charging solutions becomes increasingly evident, especially for those lacking access to dedicated public charging infrastructure.

Portable home-based EV charging solutions bring the charging station to your doorstep. Compact and user-friendly, these chargers facilitate charging EVs in the comfort of their homes, eliminating the need for frequent trips to public charging stations. The convenience factor is a significant catalyst for encouraging more individuals to embrace electric mobility.

JT Mobility ARAI-certified smart portable home chargers allow you to charge from all sockets, from the usual to the industrial socket. It also allows charging your vehicle from 3.3kW to 22kW/hour. The charger has a new generation practical display that shows the charging current, voltage,



power, and temperature. Further, it complies with international standards and boasts features such as over-current protection, over-voltage protection, over-heat protection, under-voltage protection and leakage protection.

One of the key advantages of portable home-based chargers is their easy installation. These chargers are designed to be user-friendly, allowing EV owners to set up their charging stations with minimal effort. The adaptability of these solutions to standard household electrical outlets further enhances their appeal, making them accessible to a broader audience.

Portable home-based charging

solutions contribute to cost-effectiveness for EV owners. By leveraging their existing electrical infrastructure, users can avoid the expense of installing dedicated charging stations. The cost savings and the convenience of home charging make the prospect of owning an electric vehicle even more attractive.

Why Choose JT Mobility?

Our journey began with a simple yet profound belief that electric mobility is the future and should be accessible to everyone. With this vision as our guiding light, we created advanced charging solutions that redefine how we power our vehicles.

At JT Mobility, we recognise the transformative potential of electric vehicles in creating a cleaner and more sustainable future. With this awareness, we have dedicated ourselves to crafting state-of-the-art, user-friendly, and reliable charging solutions that cater to the diverse needs of electric vehicle owners.

Our mission is twofold – to make electric vehicle charging convenient and accessible and to contribute to the larger global effort to build a sustainable, eco-friendly transportation ecosystem. We understand the challenges EV enthusiasts face, from range anxiety to the need for reliable charging infrastructure and try to address

these challenges head-on.

As a 'Make in India' company, we take pride in our local roots and global ambitions. Manufacturing our solutions within the vibrant landscape of India not only supports the national economy but also showcases the technological prowess that our country possesses.

Portable home-based EV charging solutions represent a pivotal step towards democratising electric mobility. By bringing charging capabilities to users' homes, these solutions simplify the charging process and contribute to the broader vision of a sustainable and accessible EV ecosystem. As technology advances, integrating portable charging solutions into our daily lives marks a significant leap towards a future where electric mobility is seamlessly woven into the fabric of modern living. ■

Our 'Made in India' charging solutions are revolutionising the EV charging experience and contributing towards the vision of self-reliance

Leading India's Booming Hardware Industry



*Amrish Pipada
Managing Director
Meganet Technologies*

Technology has become a fundamental part of our daily lives, and its importance cannot be overstated. Technology has revolutionised the way we communicate, making it faster, more efficient, and more accessible than ever before.

Thanks to technology, we can

now communicate with anyone, anywhere in the world, in real time. This has helped break down barriers, bridge cultures, and promote understanding. It has transformed the education sector, making it more accessible, interactive, and engaging. Technology has revolutionised how we work, making it more efficient and productive. It has enabled remote work, collaboration, and automation, leading to increased productivity and efficiency in the workplace.

India's Information Technology (IT) hardware industry has experienced significant growth in recent years, positioning the country as a leading global player. The sector comprises computer hardware and peripherals such as desktops, laptops, servers, storage devices, printers, and other accessories. This growth has been driven by factors such as the increasing demand for hardware, government initiatives, and a favourable

India's IT industry has experienced significant growth in recent years, positioning the country as a leading global player

business environment.

One of the key drivers of the IT hardware industry in the country is the increasing demand for computer hardware and peripherals. The rise of e-commerce and the growing number of Internet users has boosted the demand for hardware products. Additionally, the government's 'Digital India' campaign to digitally connect every citizen and create a digitally empowered society has further fueled this demand. It has created an immense opportunity for the hardware industry to meet the growing needs of consumers.

Technology has become

an essential part of our lives, transforming how we communicate, learn, work, and entertain ourselves. India's IT hardware industry is poised for significant growth in the coming years, driven by increasing demand, government initiatives, and a favourable business environment. As the industry continues to evolve and mature, it will likely attract more investments and create new opportunities for businesses and consumers. Its importance will only continue to grow in the future as we find new ways to harness its power to improve our lives and the world around us. ■





Delivering IoT Benefits to Companies



Vidushi Gupta
CEO, PsiBorg Technologies

The Internet of Things (IoT) has emerged as a critical technology for powering Smart Cities and modern urban development. The top five Smart Cities - Shanghai, New York, Toronto, Seoul, and Shenzhen- are using IoT to manage resources and handle operations for their ever-growing populations.

Among the leaders in the IoT space, PsiBorg stands out with its comprehensive IoT solutions across various industries. PsiBorg Technologies is an end-to-end Internet of Things service provider offering innovative IoT solutions to enhance connectivity

and automation. The company specialises in delivering a wide array of custom IoT services tailored to meet the unique needs of businesses. Its expertise extends to:

- IoT Product Development
- IoT Dashboard
- IoT Hardware and Embedded Devices
- IoT Mobile App Development

PsiBorg is committed to helping businesses grow by providing sustainable IoT solutions that create efficiencies and new revenue streams from the insights of untapped data.

PsiBorg at Convergence India 2024

With 6+ years of industry experience and the successful deployment of a diverse range of IoT solutions in sectors such as retail, transportation, industry, agriculture, and defence, PsiBorg is the leading solution provider in the industry. The company is passionate about developing groundbreaking and tailored IoT solutions that empower businesses across domains. Whether it is supply chain optimisation, automating operations, or improving customer experience, its IoT expertise can help companies reach great heights.

Building upon its association

with Convergence India, PsiBorg will be present in Hall 3, Booth-B271 this year. On display will be advanced, need-of-the-hour IoT solutions that include:

Smart Agriculture System:

The smart agriculture solution leverages IoT for crop optimisation and resource usage. It monitors soil health and gives farmers insights about the soil and crops in their fields.

Livestock Monitoring System:

The cattle health monitoring system helps large-scale farmers effectively manage their cattle. The real-time data on the cattle's health and live location will ensure the animal's well-being and increase productivity.

Building Management System:

A building management system aims to offer unbeaten comfort to its residents. This solution provides a full-on approach to managing commercial and residential spaces from energy efficiency to security.

Shipment Tracking System:

The IoT-based shipment tracking system is equipped with sensors

that monitor the temperature, pressure, G-force, and orientation of the shipment in real-time and with precision, thus ensuring transparency and reliability in the logistics field.

Smart Billboard: Experience the power of information with a smart billboard solution. This fusion of IoT and advertisement will engage the users like never before.

Footfall Counter: The IoT-powered footfall counter tracks the flow of visitors in commercial buildings like malls and exhibition centres in real-time. In this way, management can benchmark the shopping performance by area of traffic flow and customer behaviour.

The company welcomes potential clients, partners, associates, and collaborators to visit us and find out how the IoT solutions offered by PsiBorg Technologies can improve your business.

Embark on an extraordinary journey through Internet of Things innovation with PsiBorg, and let us be your partner in success! ■

We are passionate about developing ground-breaking IoT solutions that empower businesses across domains

Singhtek

Transform Your Business with Us



Singhtek is a premier IT, Fintech, business consulting, and management group focused on developing technology through innovation and transformation using Blockchain and AI to offer next-generation solutions for the payments industry. The company's focus areas include improving financial services, reducing costs, increasing accessibility, promoting financial inclusion, and disrupting traditional banking systems.

Singhtek is at the forefront of revolutionising industries through the transformative power of technologies, software and hardware. This includes payment services, alternative and digital payments, UPI cross-border payments, co-working space management, cybersecurity, and cybercrime investigation for fintech industries.

FinTech

Financial Technology (FinTech) describes organisations using new technologies to engage with traditional financial methods to distribute financial services. FinTech companies consist of startups and established financial and advanced technology companies trying to enhance the operation of financial services. FinTech confides the financial services into individual offerings that are often easy to use. It can apply to any innovation in how people conduct their business, from the invention of digital money to double-entry bookkeeping.

Artificial Intelligence

Artificial Intelligence, or AI, combines robotic databases and computer science to enable problem-solving tasks by associating with human intelligence. These tasks vary from making decisions to recognising speech and identification of patterns. Instead of automating manual



We lead the revolution of industries through the power of technologies, software and hardware

tasks, AI generates a high volume of computerised tasks as it adapts through progressive learning algorithms by analysing more data with tremendous accuracy. This application is expanding steadily, and we are starting to explore its possibilities. Using these applications, software can be trained to execute specific tasks by rectifying large amounts of data and acknowledging patterns in the data.

Blockchain

A Blockchain is a shared database that differs from a standard database in how it stores information - these substantial information blocks are chained to one another. Blockchain is used for many different purposes, from providing financial services to administrating voting systems. It is decentralised so that no single person or group has control; instead, all users collectively retain control. If the information is altered and recorded on the blockchain, it is unchangeable because it is strongly protected.

Cloud Solution

It indicates the delivery of different services through the Internet, including databases, servers, data storage, software, and networking. Cloud computing is named after such a technique because the information retrieved is flexible in the Cloud or a virtual space. It is a popular option for people and businesses for several reasons, including improved productivity, cost savings, security, performance, speed and efficiency. Services can be private and public, where private services are hosted on a network for specific clients, whereas public services are provided online for a fee.

Customer Experience

'Customer Experience' is the impression that a customer has an entire brand throughout all the aspects of a buyer's journey. It involves every customer interaction with a brand through their journey and their

impression of those interactions. A positive customer experience promotes loyalty, encourages brand endorsement, helps retain customers, and the customer has the power to weaken the bond. Customer service must be faultless, comprehensive and flexible to make the customer's journey effective and efficient.

Cybersecurity

Cybersecurity indicates the protection of the Internet-connected systems in the software and hardware from unauthorised access to data and every aspect of guarding an organisation and its employees from cyber threats. Cybersecurity strategy can be addressed by identifying risks and threats and creating lists of assets that need to be protected by performing an inventory of computing assets. Protecting an organisation against cybercrime involves safeguarding sensitive data, implementing a third-party risk management solution, and educating employees.

Digital Transformation

Digital transformation is a fundamental change in how

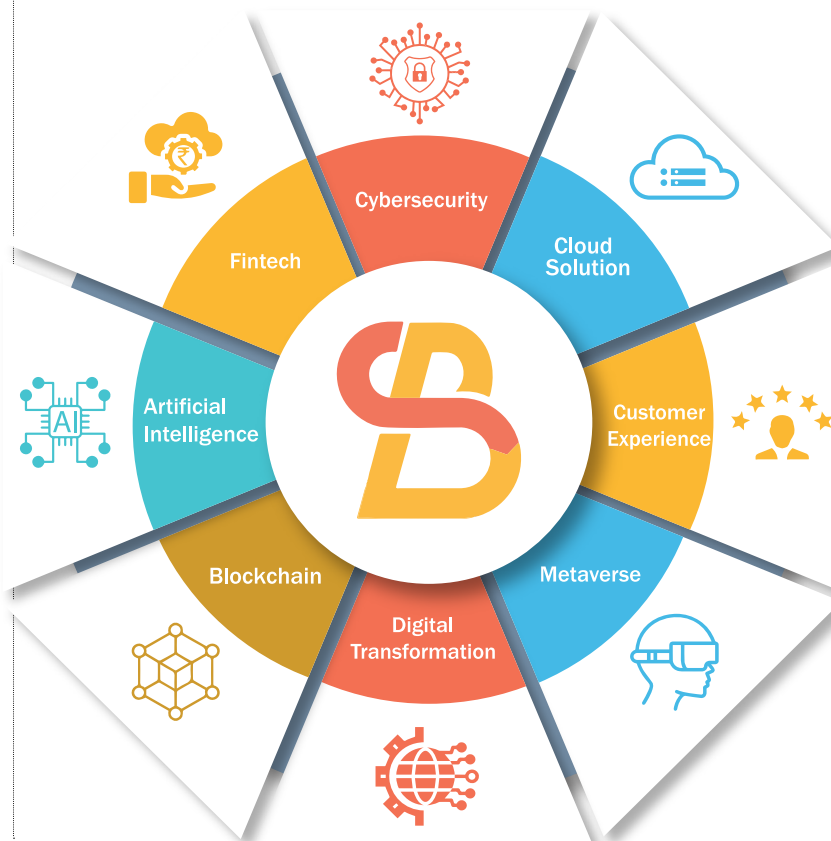


organisations deliver value to customers. It is the epitome of digital technologies in all aspects of business operations. That means identifying new technologies to provide new

products and services, improving existing products and services, and boosting processes' efficiency. Digital transformation marks a rethinking of how organisations use technology, people, and undertakings to pursue new business models and revenue spurts with vast growth opportunities driven by changes in customer beliefs for products and services.

Metaverse

Metaverse is mesmerising and enduring the 3-D virtual element shared with many users, where people can connect with friends, work, shop, create and play games. Such things require enormous computer processing and advancements in gaming devices, smartphones, and VR/AR headset technology. The next perimeter may be shaped by the companies related to Web3, Metaverse and Blockchain. This hypothesis is at odds with one another as it builds a more neutral, accessible, inclusive, and secured Internet. ■



Helping Businesses integrate, Activate and Operate



*Jitender Sandhu
Regional Sales
Manager-India &
ASEAN, Telit Cinterion*

Please tell us something about your company.

Telit Cinterion is a global end-to-end IoT solutions enabler providing complete solutions that reduce time to market

and costs, delivering custom-designed, ready-for-market connected devices. Telit Cinterion helps businesses integrate, activate and operate in today's hyperconnected world. With over 20 years of IoT innovation experience, we deliver award-winning, secure and integrated IoT solutions. Our IoT experts have pioneered a successful end-to-end system approach to ensure all the pieces work together. As the largest provider pioneering IoT innovation, Telit Cinterion delivers award-winning and highly secure IoT solutions, modules and services for the industry's top brands.

We simplify onboarding connected devices for our customers with a portfolio that offers:

- Enterprise-grade wireless communication and positioning modules

- Cellular MVNO connectivity plans and management services
- Edge and cloud software
- Data orchestration
- IoT and industrial IoT platforms

Elaborate on your product portfolio.

We offer a diverse product portfolio catering to the needs of multiple industries: Smart Cities & transportation, smart buildings, smart energy & utilities, Smart factory & Industry 4.0, semiconductors, supply chain management, healthcare, micromobility, EV charging, etc.

- **Cellular Modules for IoT and M2M Applications:** We offer the industry's broadest portfolio of secure, wireless cellular IoT modules. Our certified modules can be used independently or combined into solutions.

They enable manufacturers to design and launch IoT devices in multiple markets and geographies worldwide.

- **Connectivity:** Our IoT connectivity plans and SIM cards address the challenges of small and large industrial deployments. The solutions can help rapidly scale multisite deployments spanning different mobile network operators (MNOs). We customise flexible data plans for your IoT applications in verticals such as asset tracking, telematics, remote monitoring, digital signage, personal emergency response systems (PERs), utilities, security & surveillance.
- **IoT Platforms:** We have been in the IoT business for over 20 years. We use our expertise to develop software and platforms that allow your teams to focus on making



systems work together. We ensure your mission-critical deployments operate with resilience regardless of size. Our deviceWISE® offers comprehensive design, deployment and management features to support your solution's life cycle. Integrate your complex web of devices, networks and applications into a solution that performs at any scale.

What makes your solutions unique?

With over 20 years of IoT experience, we help you develop specialised IoT solutions that integrate seamlessly with your business and technology stack. With our knowledge and expertise, our solution experts can help you navigate every aspect of your deployment. Allowing you to bring your IoT devices and solutions to market quickly. We

offer an extensive range of custom IoT solution services, including engineering & R&D, manufacturing & supply chain management, verification & certification.

- **Engineering & R&D:** We can design custom IoT devices that incorporate multiple radio frequency (RF) technologies and fit your hardware requirements, including cellular, Wi-Fi & Bluetooth®, and low power. We also develop customised device firmware and software for systems and customer applications that deliver targeted experiences for over-the-air services, real-time operating systems, store & forward, platform integration, and mobile app development.

- **Manufacturing & Supply Chain Management:** Our procurement and production teams ensure quality and precision regardless of complexity or scale. The

With over 20 years of IoT innovation experience, we deliver award-winning, secure and integrated IoT solutions, modules and services for the industry's top brands

customer can achieve long-term precision with our expert services in product industrialisation through prototype tooling for design tuning, bridge tooling for process testing, and production tooling. Telit experts handle diverse IoT device production management tasks, including demand forecasting, production scheduling, job cost accounting, quality control, etc. The supply risk mitigation services help you to avoid costly production delays due to supply chain challenges such as materials

sourcing, cost containment, inventory management, cross-utilisation, and end-of-life contingency planning.

- **Verification & Certification:** Our experts help you to navigate the mandatory compliance and certification process with our services for standards and design considerations, requirements testing, form submittals, and supporting documentation. This includes telecom industry certifications as well as carrier certifications. ■

Virus Lamination

Brand for the Next Generation



Vivek Kumar Gupta
Owner, Virus Brand
(Polypack)

Tell us something about your company.

Virus Lamination is India's leading mobile skin manufacturing brand. Our mission is to give people more distinctive designs and

exceptional quality mobile lamination that can be customised to enhance the customer's personality. We have more than 5,000 designs providing a whole new world for your mobile and digital products.

We also have expertise in plotter machines, which come with full warranty and customer care. Virus makes its software to ensure a pleasant experience for our customers.

What innovations is the company focused on?

Our new texture mobile skins give the customer's hand a new feeling of touch for your phone. The mobile skins and rolls come in a wide range of designs, colours, patterns and textures, besides different qualities, to allow the customer to choose the product to suit their style. Meanwhile, the pocket-size plotters are as small

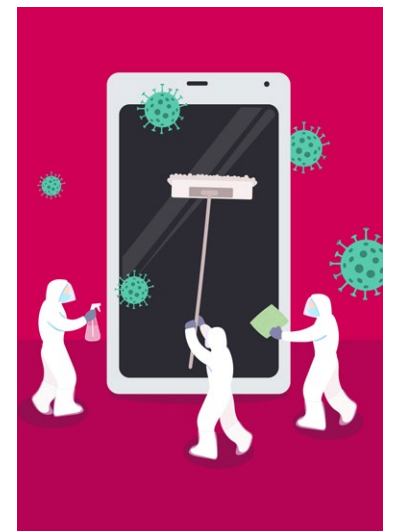
as a speaker.

Please tell us about your focus areas for the future.

We sell good quality products, which are up to par with international standards. Our 'Make In India' brand aims to provide quality and durable products to Indian customers. Therefore, the plans include enhancing the product portfolio as per changing customers' tastes.

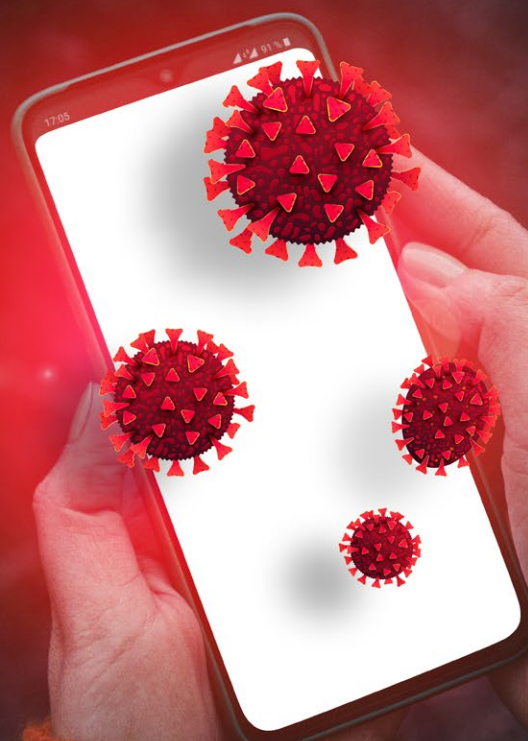
What products do you plan to display at the expo?

Convergence India 2024 is an important event to showcase our products and connect with our customers. Our mobile skins and rolls come in a wide range of designs, colours, patterns and textures and are very popular with customers. So, we will be showcasing the entire range. The VIRUS plotters, graphtec plotters



and many other brand plotters will also be available. Customers can test and experience our new technology with the VIRUS cutting-edge software. There will also be clear and matte membranes to protect your phone and laptop display. ■

Motivation is the catalysing ingredient for every successful innovation. Your motivation will deliver you to success; stay motivated



Trading Reboot Assisting Businesses to achieve their Tech Goals



Trading Reboot offers a complete line of wireless broadband networking equipment, telecommunications solutions, IP surveillance/security, and green technologies from top-tier manufacturers.

Services Offered

FTTH Solutions: We are known for our extensive range of FTTH products as we source them from authentic vendors across the industry. Our range is demanded and appreciated for its hassle-free performance, easier installation, less maintenance, and longer serving life. The key features of the products are:

- Advanced technology products that help in faster processing
- Accelerates the bandwidth by about 100 times
- Widely used in smart home solutions and OTT services based on the FTTH network
- Can be used in smart storage solutions by home users by storing

data in a protected environment

Wireless Solutions: Our wireless solutions include point-to-point and point-to-multipoint solutions. *Point-to-multipoint solutions:* We provide broadband wireless outdoor connectivity for various applications in urban and rural deployments. This widely deployed platform offers a carrier-class outdoor link with enhanced security and capacity and QoS for data, voice and video services. Enhanced uplink/downlink configuration provides better support for business applications, including public safety and video surveillance. This is ideally suited for:

- Wireless Internet service providers (WISPS)
- Smart cities
- Education
- Public safety
- Smart utilities
- Enterprises

Point-to-point solutions: The comprehensive line enables

efficient, reliable, secure communications for high-bandwidth applications. The long-range and high-capacity support makes it the preferred cost-effective solution for building-to-building connectivity and backhaul services, eliminating the necessity for expensive leased lines over wireline infrastructures. Our product offerings are enhanced with self-provisioning, self-healing, and self-protection capabilities for maximum ease of use and efficiency. This is ideally suited for:

- ISP & operators
- Utility providers & enterprises
- Critical & real-time business applications
- Public safety
- Video surveillance

VOIP Solutions: Grandstream Networks Inc. has been connecting the world since 2002 with its SIP unified communications solutions that allow businesses to be more productive than ever before. The award-winning solutions serve small and medium enterprises and have been recognised worldwide for their quality, reliability and innovation. Grandstream solutions lower communication costs, increase security protection and enhance productivity. Our open

standard SIP-based products offer broad interoperability throughout the industry, unrivalled features, flexibility and price competitiveness.

Solutions Offered

Trading Reboot solutions include point-to-point backhauls & point-to-multipoint systems; two-way radio equipment with related antennas and accessories; IP video equipment; fibre-optic telecommunications technology; and equipment for all other types of wireless and wired network applications in the unlicensed frequencies.

Trading Reboot offers first-tier technical support for most products. Its sales engineering and account management team assists clients with planning, design, network layout, troubleshooting, site survey assistance and implementation. These attributes, accompanied by unparalleled customer service, make Trading Reboot a leader in product equipment.

Trading Reboot also provides outstanding service and a comprehensive product offering to WISPS, consultants, integrators, dealers, self-service end-users, service providers, and value-added resellers. ■

Our premier pricing programmes and technical support help clients achieve success in businesses

VueNow

Creating Digital Highways for Digital Inclusion



Nitin Srivastava
Director, VueNow
Infotech

The pivotal role of Information Technology (IT) in today's economy and its ongoing development cannot be overstated. This expansive reach has the

potential to fortify our journey towards a \$1 trillion economy.

A vast population could be leveraged as a formidable asset in achieving our targets. Yet, the stark reality is that serving such a large populace remains a formidable challenge because of the digital divide between urban and rural India. While urban centres flourish with technological advancements, rural areas often need more wholesome development. The situation has changed in the past few years, but a large segment of the society is still underserved.

Digital inclusion is not just about providing access to technology but empowering citizens to participate actively in the digital revolution. As we strive to contribute towards economic development, we must create an inclusive ecosystem where individuals, irrespective of their geographical location, socioeconomic status or educational background,

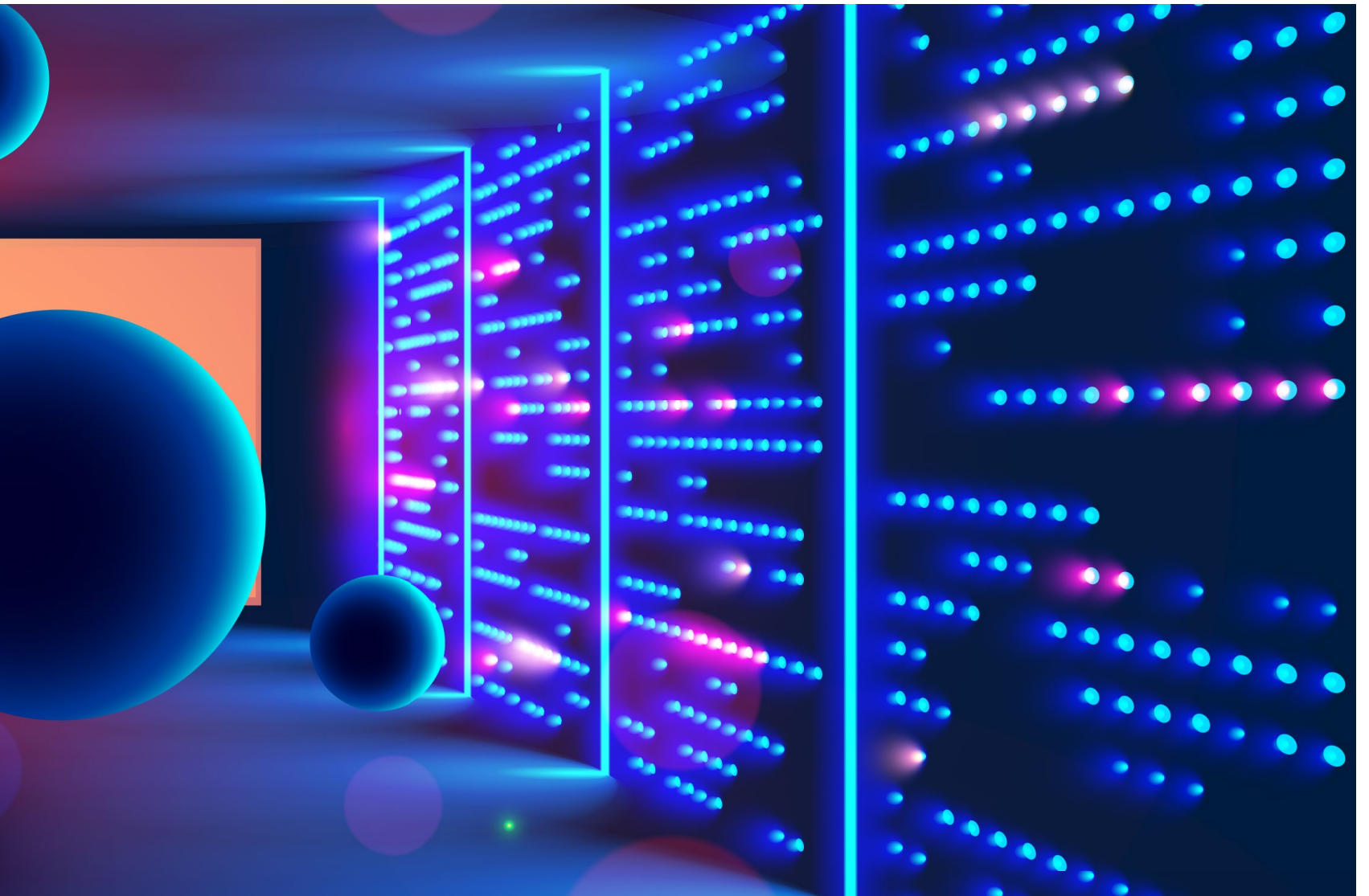
can harness the power of technology for their betterment.

To achieve digital inclusion, we must invest in an infrastructure beyond urban landscapes. We are proud to say that VueNow is already on this path. By building the world's largest Edge Data centre network, we are creating infrastructure for providing digital connectivity to remote areas. Mobile technologies have already played a transformative role in connecting; the next frontier lies in providing high-speed, low-latency connectivity through innovative solutions.

Minimising the digital divide is not just about connectivity but the delivery and availability of quality digital services accessible to all. This is where Edge Computing or Edge Data centre emerges as a game-changer. Edge Computing involves processing data closer to the generation source rather than relying solely on centralised cloud servers. In

the context of bridging the urban-rural divide, Edge Computing offers several advantages. Edge Computing reduces latency, ensuring access to digital services with minimal delay. This is especially critical for applications such as telemedicine, where real-time communication can be a matter of life and death. By Edge Computing, we can bring healthcare services to the doorstep of those most need them.

Edge Computing also enables the efficient use of bandwidth. In areas with limited connectivity, optimising data transmission becomes paramount. It allows data processing at the local level, reducing the need for large volumes of data to be transferred to centralised servers. This enhances the user experience and reduces the strain on network infrastructure. Edge Computing promotes autonomy and resilience. In remote areas, where power supply and Internet connectivity can be



irregular, Edge Computing allows local processing even when disconnected from the central network. This ensures that essential services, such as agricultural information and governance, remain accessible even in challenging conditions.

We can address some of the most pressing social challenges

by deploying Edge Data centres in rural areas.

Education: In rural areas, where access to quality education is limited, technology can be a transformative force. Online educational resources, interactive learning platforms and virtual classrooms powered by Edge Computing can bring the best

educational experiences to every student, regardless of location.

Agriculture: The nation's backbone is agriculture, which stands to benefit significantly from technology. With Edge Computing, farmers can access real-time weather prediction, market information and expert advice, empowering them to make informed decisions and improve agricultural productivity.

Healthcare: Remote healthcare services become a reality through Edge Computing. Telemedicine, remote diagnostics and health monitoring can reach even the most remote villages, ensuring that healthcare is not a luxury but a fundamental right for every citizen.

Governance: Digital inclusion through Edge Computing can revolutionise governance at the grassroots level. From digital access to government services to real-time monitoring of local projects, technology can empower

citizens and enhance governance efficiency in building infrastructure, maintaining law & order, and delivering essential services.

Edge Computing has the potential to open the door to empower every individual. It is essential to be mindful of the responsibility that comes with it and ensure that the benefits of technology are equitably distributed. Social empowerment is the foundation of a \$1 trillion digital economy and inclusiveness. It will be a collective endeavour involving every citizen, regardless of location.

Digital inclusion, bridging the urban-rural divide, and fostering social impact through technology are the pillars of our journey. VueNow creates such infrastructure by setting up the world's largest Edge Data centre network. Under this, we are building 750 Edge Data centres in UP and 30+ EDCs in Himachal, besides projects in MP, Goa, Maharashtra and some other States. ■





Tech Accessories Ensuring Customer Satisfaction



Siddhartha Gupta
CEO, Zeliant Retail Pvt. Ltd. & Founder Xegal India Pvt. Ltd

Established in 2019, Zeliant Retail Pvt. Ltd., A unit of M/s Xegal India Pvt. Ltd., has become a global consumer electronics manufacturing company that peers and customers widely trust. We are a team of tech-savvy geeks who love to innovate, putting our efforts into inventions that benefit from collaboration. Our fashionable products are the result of the unique industrial design and strict quality control followed during production.

The company is focused on building products that perfectly combine cutting-edge technology and sleek design. Our reputation is as a leading OEM/ODM/EMS manufacturer of tech accessories such as Bluetooth speakers, earphones, headphones, smart wearables, and other consumer electronics products. We serve customers with solutions for sourcing, production, testing, quality control, packaging and transport. From conceptualising the design to integrating state-of-the-art technology during production, we

ensure a final product that puts the customer's convenience and needs first. As a result, we have developed a reputation as a dependable manufacturing and supply chain partner in PAN India and globally.

Manufacturing Unit in Faridabad

Zeliant Retail Pvt. Ltd. has recently opened a manufacturing unit in Faridabad that integrates the research and development process with manufacturing to create a more efficient final product. Because of ZRPL's intense understanding of customers' concerns, we have developed flexible manufacturing processes and IT infrastructure to manage and control their needs more efficiently.

Quality Manufacturing Facilities

Zeliant Retail offers several products under one roof, including mobile accessories, power banks, wearables/hearables, IoT and next-generation devices. The latest technologies are used to create products to provide an amazing audio experience. As a result, Zeliant audio products are the best in the category that allows refurbishment and repair services across the entire range of merchandise. Whether you are a fitness enthusiast or tech-savvy individual or appreciate premium sound quality, explore the best audio gadgets that seamlessly blend style, functionality, and affordability.

Product Range

Zeliant Retail is one of India's leading electronic manufacturing service (EMS) providers that offers customers the best quality products across the country. The company has extended its services and operations to multiple sub-divisions of electronics. As a homegrown manufacturing company, we

offer design-focused solutions in consumer hearables/wearables, IoT, and smart devices/wearables to customers nationwide, along with refurbishment and repair services for an ample range of products, including mobile accessories and other consumer electronic products.

Excellent Quality

Zeliant Retail has been designing and manufacturing high-quality products for years and has earned the trust of our customers through rigorous testing and quality assurance. The goal is to be a leading OEM in the hearing and wearable space, boasting competitive products and services. Our PDCA management cycle is integral to daily operations, ensuring that high-quality policies can be implemented. ZRPL's emphasis on a product quality management system combines assurance for product design quality and manufacturing process quality control.

Process Quality Inspection

The ZRPL testing process is a unique multi-stage quality control process that starts with test preparation, including examining raw materials and finished parts. The subsequent stages include inspection, final inspection, and sampling. Our testing process begins with a rigorous inspection immediately after receiving parts to verify the supplier's quality. The final checkpoint is an inspection of assembled and packaged samples.

Soft Launches

Zeliant Retail Pvt. Ltd. already holds the reputation of being a leading provider of OEM, ODM, and EMS services for telecom items such as Bluetooth neckbands, TWS earphones, portable Bluetooth speakers, soundbars, smartwatches, powerbanks, etc.

Now, the company is looking to establish itself as a complete health and work companion by manufacturing ECG and PPG smartwatches. Zeliant smartwatches are a harmonious blend of style and functionality. An exceptionally bright smartwatch introduces Bluetooth calling, a spacious 1.46-inch HD display, and an extensive range of health and fitness features like ECG and PPG, HRV, HR Alert, REM Sleep, BT Call Voice Resistant, and more than 130 sports modes and gameplay.

With the Zeliant smartwatch, one can enjoy control over music playback and camera remotely with music and camera control, and get assistance and information at command with the integrated AI Voice Assistant. With a long-lasting 280mAh battery offering up to 30 days of standby time and IP68 water resistance, one can confidently wear the icon in any environment. Experience the future on your wrist with the icon—broad vision, always in style. ■

We aim to solidify our position in the smartwatch industry by strengthening innovation and excellence in wearable technology

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