

Siemens powers India’s smart future

With nearly 160 years of heritage in India, Siemens Limited is redefining the country's infrastructure transformation through its Smart Infrastructure Division. In an exclusive conversation with Subhajt Roy, Robert H.K. Demann, Head – Smart Infrastructure, Siemens Limited, shed light on how the company is redefining innovation by shifting the focus from simply "Make in India" to also "Design in India" spanning a wider spectrum of the value chain!

Designed in India

"Siemens is not just manufacturing in India—we're designing here," said Robert. "Take our EV chargers, for example—they are 100% designed, developed, and manufactured in India. Around 75% of the entire value creation happens locally." He emphasized that Siemens' India-built solutions are not only empowering domestic customers but also gaining traction in neighbouring countries.

Smarter infrastructure

The Smart Infrastructure business extends Siemens Limited's capabilities well beyond grid infrastructure, and also impact industrial and

urban infrastructure (real estate, data centers, transportation etc), and are catering to sunrise sectors like semiconductors, battery storage, and e-mobility," Robert explained. "We are enabling these sectors to optimize their energy use and build resilient systems."

Kalwa to the world

At the heart of Siemens' digital transformation efforts is GAVATAR, a unique global monitoring and analytics platform developed withing India and piloted at its Kalwa facility near Mumbai, powered by Siemens' own solutions. It currently analyzes thousands of data from over 1,300 Siemens locations across 90 countries. It provides standardized, interoperable and optimized infrastructure operations while being scalable and replicable for audit-proof energy management and carbon reporting.

"Originally developed for internal use, GAVATAR's success led to the creation of the Building X Portfolio Manager," shared Robert. "This solution, designed in India, is now gaining momentum in European markets as well." GAVATAR was recognized with the prestigious Werner von



Siemens Award in 2024 within Siemens globally as it was an exemplary case of "Technology with Purpose"

ELECRAMA 2025

At ELECRAMA 2025, Siemens unveiled a spectrum of cutting-edge innovations aligned with the event's core theme: energy transition. From advanced smart devices to future-ready grid solutions, Siemens demonstrated how digitalization and electrification are reshaping infrastructure.

"One of our primary goals is integrating renewable energy efficiently," said Robert. "As renewables grow, so does the complexity. That's where digitalization becomes key—and with it, cybersecurity."

Key exhibits

Siemens Limited's booth attracted attention with Blue GIS—a clean-air gas-insulated switchgear that eliminates SF6, a potent greenhouse gas. "It uses processed clean air—the same air we breathe," Robert said. "It's safer, more sustainable, and cost-effective over its lifecycle."

Siemens also presented the SENTRON ECPD, a compact, intelligent circuit protection device capable of replacing up to ten traditional components, and the Fault Sensor Indicator (FSI), designed to rapidly detect failures in rural power lines, significantly reducing response times through real-time alerts or visible signals.

Built to last

"Siemens has been deeply embedded in India's infrastructure journey since the beginning—from the country's first telegraphic line to today's digital smart grids, future ready buildings and smart industrial facilities," said Robert. India is set to have one of the largest urban transformations of the 21st century. This scale of transformation will present several opportunities for Smart Infrastructure business. Siemens is invested in supporting this transformation, not only in the development of greenfield infrastructure but also in the modernization of existing infrastructure.



Watch the video here:
<https://bit.ly/siemens-robert>

Delta aims to double workforce in India

Delta Electronics India Managing Director Niranjan Nayak outlines growth strategy

Taiwanese technology leader Delta Electronics has unveiled plans to significantly expand its operations in India by nearly doubling its workforce over the next five years. The company aims to grow from its current 3,500 employees to approximately 6,500.

"We are planning to double the overall Delta India human capital, which will enable us to serve both domestic and global markets," said Niranjan Nayak, Managing Director of Delta Electronics India. A key focus of this expansion will be the company's research and development efforts. Delta currently employs around 400 R&D engineers in India who contribute to the development of products for both local and international markets. "By 2030, we aim to grow that number to over 1,000 R&D engineers. This is the target we are working towards," Mr. Nayak added.

As part of its long-term commitment to India, Delta has established a large manufacturing facility in Krishnagiri. "This plant supports our 'local for local' strategy—designing, manufacturing, and selling in India—as well as serving global export demands," said Mr. Nayak. "We're heavily investing in R&D to better understand and meet local needs, with a focus on building a strong, local design ecosystem."

Delta Electronics India also has ambitious plans in the electric vehicle (EV) infrastructure space, having previously announced its goal to capture over 40% of the EV charging



A key focus of this expansion will be the company's research and development efforts. Delta currently employs around 400 R&D engineers in India who contribute to the development of products for both local and international markets.

station market in India.

Commenting on the company's industrial automation business, Mr. Nayak noted, "We are aggressively expanding in this area. Year after year, we've seen significant growth. With rising investments in manufacturing and a strong labour force, the need for automation in India is becoming increasingly apparent."

He added that Delta is also exploring how artificial intelligence (AI) can enhance automation solutions: "We are analyzing the specific requirements of the Indian market, which can differ from more developed countries. Our aim is to strike the right balance between human labour, automation, and AI to deliver the most effective solutions."



Watch the video here:
<https://bit.ly/m4-delta>

SWELECT expands solar capacity, boosts sustainability

At RenewX 2025, SWELECT Energy Systems reaffirmed its leadership in India's solar industry by unveiling an ambitious roadmap centered on advanced solar technologies, expanded manufacturing capacity, and a strong commitment to sustainability.

Speaking to mojo4industry, Uday Kamath, VP – Channel Sales, outlined SWELECT's strategy to scale operations, strengthen its channel network, and deliver integrated renewable energy solutions.

Pushing boundaries

SWELECT showcased its latest Mono PERC and TOPCon modules, highlighting a leap in efficiency. "Our TOPCon modules, currently at 580 W, will soon scale up to 650 W," Kamath said. These are produced at the company's fully operational 1 GW facility, supporting its drive for quality and innovation.

Beyond modules, SWELECT also displayed ground-mounted and rooftop structures, along with AC/DC distribution boxes—underscoring its turnkey Engineering, Procurement, and Construction (EPC) capabilities.

Double capacity

To meet rising demand, SWELECT is set to double its module production by adding another 1 GW line at its existing facility. Simultaneously, the company is expanding its Balance of System (BOS) manufacturing with new roll-forming equipment, aligning its structural offerings with growing project needs.

EPC & IPP Footprint

SWELECT's core businesses—module manufacturing, Independent Power Producer (IPP) projects, and EPC services—are seeing significant growth. While manufacturing has driven recent performance, the company is scaling up its presence in the group captive IPP segment and executing larger turnkey solar projects.

Expanding partnerships

With an expanding network of nearly 75 new channel partners added annually, SWELECT is deepening its market reach. "We've also appointed a national distribu-



tor and partnered with financial institutions to support our partners," Kamath noted.

Embracing sustainability

In alignment with environmental goals, SWELECT is proactively working on solar panel recycling in anticipation of evolving regulations. The company is collaborating with recyclers to establish a structured program that supports both ROHS compliance and circular economy principles.

Vision for FY2025

Looking ahead, SWELECT plans to tap into new regional markets and take on larger solar projects in the 15–20 MW range. A key focus is integrating solar, wind, and battery systems to deliver round-the-clock renewable energy. "We see a big opportunity in RTC (round-the-clock) solutions and are aligning our capabilities to meet future energy needs," Kamath concluded.



Watch the video here:
<https://bit.ly/SWELECT>

Energizing industries with advanced power solutions

POM Systems & Services Pvt. Ltd., widely known as POM Power, was founded with a mission to deliver indigenous, cutting-edge technologies to the power systems industry. The company began its journey by manufacturing Uninterruptible Power Supply (UPS) systems and steadily evolved through continual technological advancements and expanded operations.

"We started small, focusing on UPS systems," recalls IB Rao, Managing Director of POM Power. "Through consistent upgrades in our technology, we've significantly contributed to the growth of the UPS industry. In 2012, we took a major step into solar energy by supplying solar inverters to BHEL, supporting electrification in remote areas of Chhattisgarh."

Strategic shift

The year 2016 marked a significant turning point for POM Power, as the solar segment began gaining momentum. Today, the company designs and manufactures a wide range of on-grid, off-grid, and hybrid solar inverters, alongside its established UPS offerings, serving industries across India.

Technological leadership

POM Power's commitment to innovation sets it apart in a competitive landscape. The company's UPS systems feature high-capacity rectifiers, delivering high efficiency and improved input power factors, essential for mission-critical applications in hospitals, IT infrastructure, and process industries.

"Our manufacturing facility in Bangalore spans over 25,000 square meters, allowing us to produce all our equipment in-house," Rao explains. "This ensures rigorous quality control and enables us to deliver prompt service nationwide through our widespread network of offices and service centers."

Metal forming industry

At Metal Forming Expo 2025, POM Power presented its latest power solutions tailored for high-demand sectors like metal forming. Rao emphasized the importance of energy efficiency for industries operating equipment such as CNC and laser machines, which consume substantial power.

"Our systems operate at up to 96% efficiency, significantly cutting electricity costs for industrial clients," he said. "Locally sourced systems often fall short in performance, leading to higher operational costs."

POM Power's UPS systems and server controller stabilizers are engineered to optimize energy consumption, improve productivity, and lower costs in metal forming applications.

Next-Gen products

During the Expo, POM Power unveiled its latest line of high-efficiency UPS systems, ranging from 10 kVA to 1000 kVA. These solutions are designed to address persistent power quality issues such as input harmonics, power factor correction, and overall system efficiency.

"These new offerings are game-changers," Rao stated. "They address longstanding challenges in industrial power infrastructure, helping businesses increase uptime and reduce energy expenses."



IB Rao



Pratik Nagarkar

During the Expo, POM Power unveiled its latest line of high-efficiency UPS systems, ranging from 10 kVA to 1000 kVA. These solutions are designed to address persistent power quality issues such as input harmonics, power factor correction, and overall system efficiency.

Innovation & expansion

Pratik Nagarkar, Regional Manager, emphasized POM Power's customer-centric vision: "Our goal is to deliver top-tier power solutions tailored to each industry's unique needs. From metal forming to mission-critical sectors, our products are designed to support growth and efficiency."

As POM Power looks to the future, the company remains focused on innovation and product diversification. "We're thankful for the trust our customers have placed in us," Nagarkar said. "We are committed to expanding our brand and bringing advanced, reliable power solutions to more industries across India."



Watch the video here:
<https://bit.ly/pom-power>

For over six decades, Rattan Power Presses Pvt. Ltd. has stood as a pillar of reliability and innovation in India's manufacturing landscape. Established in 1965, the company continues to lead the power press industry by blending tradition with cutting-edge technology.

At Metal Forming Expo 2025 in Pune, Gobind Singh, the third-generation Director of the company, sat down with mojo4Industry to discuss Rattan's journey, evolving product line, and future goals.

Legacy of progress

Founded by Singh's grandfather, Rattan Presses started with modest technology in the 1960s. Since then, it has steadily evolved, embracing new technologies to meet changing industry demands.

"We've always prioritized quality," Singh said. "While power press technology doesn't change rapidly, its applications have diversified—from automotive to electronics and kitchenware—and our machines have adapted to these shifts."

Serving industries

Originally focused on the automotive sector, Rattan now supplies to a broad range of industries. Its machines are widely used in key manufacturing hubs such as Pune, Delhi, Noida, and Chennai. "Any process involving metal forming or cutting needs a power press," Singh noted, emphasizing the machines' versatile applications across electronics, automotive, and consumer goods.

Innovating power press technology since 1965

Gobind Singh, Director of Rattan Power Presses Pvt. Ltd., shares insights into the company's innovation-driven approach and plans for the future

Leading with vision

Singh credits his father for mentoring him in both technical operations and customer relationships. Now at the helm, he feels a deep responsibility to grow the

company while preserving its values.

"I'm not just running a business; I'm carrying forward a legacy," he reflected. "Our focus remains on quality, service, and sustainable growth."

Innovation in products

Rattan offers an extensive range—mechanical, hydraulic, wet clutch, and high-speed presses—but pneumatic clutch presses currently dominate demand, particularly in automotive-heavy regions.

"These are versatile, efficient, and in high demand in cities like Pune, Chennai, and Delhi," Singh explained.

Customer-centric innovation

R&D at Rattan is driven by client needs. "Every year brings new requirements. If we don't innovate, we fall behind," Singh said. Staying aligned with global tech trends while offering localized solutions remains a top priority.

Looking ahead, the company plans



Gobind Singh

to integrate advanced international technologies into its Indian manufacturing systems, aiming to simplify production for customers.

Beyond the sale

What truly sets Rattan apart is its dedication to after-sales support. "We don't just deliver machines—we ensure our clients are successful with them," Singh emphasized.

Clear vision

Rattan Power Presses continues to grow with a sharp focus on customer service, product excellence, and affordability.

Singh summed it up simply: "We're a legacy brand with a modern mindset—evolving every day to meet customer needs with the best in technology and service."



Watch the video here:
<https://bit.ly/RattanPresses>