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SCGP Showcases Innovation, Technology, and Product Development Enhancing Production Efficiency, Delivery and Capabilities Across Value Chain

SCGP Banpong Plant welcomed media to showcase advances in digital technology supporting its transformation into a data- and technology-enabled organization. By connecting operations across the value chain, SCGP is enhancing production efficiency, delivery accuracy and service quality, helping customers maintain business continuity and strengthen their competitiveness. The company continues to build on these technologies to develop solutions that address customer needs and capture opportunities for sustainable growth together.

Mr. Wichan Jitpukdee, Chief Executive Officer of SCG Packaging Public Company Limited, or SCGP, said the company is advancing its digital transformation by building on its packaging manufacturing expertise to become an AI-Enabled Company, with data, automation and artificial intelligence (AI) serving as key business drivers. Since 2020, SCGP has continuously applied AI to create value across its value chain, expanding its capabilities from predictive analytics to Agentic AI to support decision-making at both operational and management levels. These technologies enable faster, more accurate planning and operational adjustments, supporting SCGP's direction as an integrated packaging solutions provider in regional through a diverse range of innovative products and services.

SCGP continues to expand its use of technology from ordering through to delivery. Its Enterprise Value Chain Planning (EVP) system supports a proactive response to customer demand by connecting order data through Order-to-Delivery Management. AI-powered Production Scheduling automates production planning, scheduling and capacity allocation, enabling greater flexibility in responding to changes in orders and preparing for delivery. These capabilities help customers plan their packaging requirements with confidence and prepare for business opportunities.

In production processes, the company applies AI for Operational Excellence (OE) to analyze data and improve production processes, reduce waste and increase output, alongside quality control and efficient energy use. Applications include machine learning and data analytics to measure packaging paper strength in real time under high-humidity conditions; real-time monitoring and control of stock preparation to increase the yield of quality pulp; reductions in fiber loss during production; and improvements in steam efficiency. These technologies enable teams to monitor and adjust processes effectively, reduce resource consumption, manage costs and maintain consistent product quality in line with customer requirements.

The company has also introduced collaborative Robots, or Cobots, to work alongside employees in production processes. Cobots perform repetitive tasks with precision and enhance employee safety, while allowing employees to develop their skills and focus on quality control and production oversight requiring greater expertise and judgment. This integration of human capabilities and technology helps improve overall operational efficiency.

In machinery maintenance, SCGP uses Asset Performance Management to monitor and analyze machine vibration data, enabling teams to plan maintenance before equipment failures occur. The company is further developing predictive maintenance capabilities to recommend appropriate maintenance actions, support engineering decisions, reduce downtime and improve equipment availability. More recently, SCGP introduced a quadruped robot to inspect production areas and monitor equipment conditions. Inspection data is combined with the engineering team's expertise, with findings consolidated on an Action Board that identifies the locations of abnormalities and supports corrective action planning. This approach enables more systematic and safer equipment maintenance, reduces the risk of production disruptions and supports continuity in production and customer deliveries.

SCGP received the SET Awards of Honor 2026 in the Best Innovative Company Awards category for its AI innovations, reflecting its ability to combine technology with employee expertise to drive continuous innovation. Alongside these efforts, the company is developing its workforce to support broader AI adoption. SCGP currently has 250 AI Facilitators who connect data scientists with employees using AI, helping teams apply technology effectively and improve work processes. The company also has 17 AI-related innovations protected by intellectual property rights. From January to October 2026, SCGP's deployment of AI and automation generated a combined THB 436 million in cost savings and operational efficiency gains. The company targets these benefits to reach 3.4% of EBITDA by 2030 and plans to expand adoption across its domestic and international operations. These efforts support the delivery of products with consistent quality and dependable services, helping customers operate with confidence while strengthening long-term growth and competitiveness.

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