**SCG ‘Organization of Opportunities’ Unleashes Potential of Innovative Minds**

**to Create Green Innovations for Low-Carbon Society**

**SCG, the ‘Organization of Opportunities,’ encourages people to unleash their potential, transform ideas into innovations, develop world-class innovations, and collaborate across all sectors to create appealing green innovations with low carbon footprints. Committed to fostering mutual growth within a low-carbon society, SCG aims to improve the quality of life, drive economic growth, and create a livable society and environment where no one is left behind. In 2024, SCG has set aside a budget of 10,000 million baht to develop low-carbon production processes and green innovations.**

**Thammasak Sethaudom**, **President and CEO of SCG**, said, "Developing green innovations is key to solving the climate crisis, and we would like to encourage people to join and support by choosing them as solutions. However, this transition is not easy as it requires changes in technology, customer and market understanding, and new regulations. The **‘power of people’** is central to driving these changes.

SCG has created the **‘Organization of Possibilities’** to provide a platform for everyone, including employees, partners, and people of all generations, to unleash their potential and express their passions without limits. This space fosters out-of-the-box thinking and experiential learning to develop green innovations that meet the needs of customers, society, and the environment, and fuel business growth. SCG supports a wide array of aspects to make the Organization of Possibilities a reality, including: **1) The opportunity to transform ideas into innovations**, such as enabling employees to become entrepreneurs through the internal startup program, **ZERO TO ONE by SCG**. This initiative equips them with essential skills and knowledge from understanding customer needs to developing products that solve those needs and expanding their customer base to achieve exponential growth, using tools like Design Thinking, Generative AI, and Data Analytics. Currently, over 800 individuals have joined and there are 100 startups involved in the project like ‘**Wake Up Waste’**, a platform for waste compression trucks that allows for more efficient waste transport and management, and ‘**Dezpax’**, the first complete online packaging platform in Thailand tailored for the restaurant, food delivery, and cafe industries. At the same time, SCG has launched the **SCG Young Talent Program** to incubate new generations of innovators from universities across all years and disciplines through real-world and challenging projects with SCG for 13 weeks to develop digital innovations (Bootcamp) that meet future trends. Over 850 young people have participated to date. Plus, SCG continues to support employees at all levels to propose ideas for development, fostering an Open & Challenge culture that encourages openness, continuous learning, self-development, without being held back by past successes; **2) The opportunity to develop world-class innovations**, supporting internal research and collaboration with global experts. This includes partnerships with **‘Norner AS’**, an industrial polymer research and development center, and the **‘University of Oxford’** in the United Kingdom to develop innovations and technologies for sustainability, as well as collaboration with startups from the United States **‘Rondo Energy’** to develop deep technologies that transform low-carbon industries, such as heat storage batteries from clean energy; and **3) The opportunity to collaborate across all sectors**, including public sector, businesses, and civil society, to collectively create a low-carbon society that grows sustainably. Among examples is driving ‘**the Saraburi Sandbox’**, Thailand's first low-carbon model city, which will help Thailand achieve net-zero goals. In 2024, SCG has set aside a budget of 10,000 million baht for developing low-carbon production processes and green innovations.”

**The President and CEO further** said, "The power of the 'Organization of Possibilities' enables SCG to create diverse appealing green innovations by designing production processes that reduce carbon dioxide emissions, coupled with enhanced functionality that meets the needs of customers, society, and the environment. This includes transforming construction and residential living into comprehensive green ecosystems. This ranges from structural work to interior systems and decorations, employing **Low Carbon Cement and Concrete** from **'SCG Cement and Green Solutions,'** which are environmentally friendly yet durable with a smooth finish and long-lasting quality. These materials are well-suited for wide-ranging green projects including large-scale buildings, industrial estates, ports, and underwater constructions. Enhancing the quality of life and being environmentally friendly through **'SCG Smart Living,’** we offer **complete building materials** that are aesthetically designed, durable, and reduce carbon dioxide emissions. These products are certified by SCG Green Choice and carry Carbon Footprint Label. SCG also provides a full range of energy efficiency technologies, from reducing energy consumption with the **SCG Air Scrubber**, generating clean energy for homes and buildings 24-hour with the **SCG Solar Hybrid Solutions**, to the new **Microgrid and Energy Storage System** solution that optimizes energy management and stores solar energy for use during various times of the day. Furthermore, **'SCG Decor'** is ready to provide a complete range of surface decoration and sanitary innovations. It recently launched the **‘COTTO CLAY DECOR COLLECTION’**, which effectively absorbs heat, cools homes, and saves energy; and the **GEO Series faucets**, manufactured using a non-foundry process, incorporating brass piping as part of their design, reducing energy consumption in manufacturing and cutting greenhouse gas emissions by more than 10%."

Elevating lifestyles to be more convenient for users and greener for the planet, ‘**SCGP’** is leading the way in sustainable packaging innovations throughout the supply chain. These innovations include developing eucalyptus as a renewable resource, enhancing the efficiency of incorporating recovered paper into production, reducing carbon dioxide emissions through machine learning and artificial intelligence (AI), and providing more recyclable and recycled packaging options to meet usage demands. SCGP is also focused on developing innovations in new product categories, such as medical supplies & labware, to accommodate the trend of health consciousness alongside sustainability. Meanwhile, **'SCG Chemicals (SCGC)'** is committed to developing green polymer innovations under the brand **SCGC GREEN POLYMERTM,** providing green solutions in line with the Low Waste, Low Carbon concept by increasing its recycling capacity for recycled plastics in Europe. At Sirplaste in Portugal, the capacity has increased by 9,000 tons per year, reaching a total of 45,000 tons per year, and at Kras in the Netherlands, it has increased by 9,000 tons per year, totaling 18,000 tons per year. This expansion addresses the global demand for green innovations. At a regional level, SCGC has collaborated with business partners to make everyday consumer items greener. For example, in partnership with HomePro, SCGC developed **Thailand's first Closed Loop Circular Appliances** by recycling plastics from used electrical devices. Moreover, in partnership with Braskem, SCGC produces **bio-polyethylene**, a bioplastic that shifts the raw material base from fossil to biological, resulting in a negative carbon emission. With Denka, SCGC produces **Acetylene Black**, a crucial material for EV car batteries, aiming towards Green Mobility. Additionally, SCGC is pioneering the latest cutting-edge technology with Avantium to **transform carbon dioxide gas into a carbon-negative plastic**. Moreover, SCGC has ventured into the industrial solutions business under the **REPCO NEX**, delivering innovative and digital solutions for sustainability, such as renewable energy for clean power and smart manufacturing innovations used in industry to enhance production efficiency, reduce resource usage, and lower carbon dioxide emissions.

For the business sector aimed at achieving net-zero greenhouse gas emissions, **‘SCG Cleanergy’** helps overcome limitations in using clean energy within the industrial sector, accelerating the transition even further with the **Smart Grid** platform. This platform facilitates easier access to solar energy and future innovations like **heat storage batteries** that use clean energy to replace fossil fuels for heating or steam in industrial processes. Additionally, **‘SCGJWD Logistics’** is ready to act as a bridge to a low-carbon society, supporting customers and business partners in achieving their Scope 3 carbon dioxide emissions reduction goals with logistics and supply chain services. These services utilize technologies to manage logistics systems efficiently and environmentally friendly. Examples include the **cold chain business** using Automated Storage Retrieval System (ASRS) technology and Solar Roof systems, transforming into energy-saving warehouses that reduce fuel use and carbon dioxide emissions. Furthermore, other green logistics innovations, such as **electric transport vehicles, AI route optimization for smarter routing, and AGV & Robotics,** can help sustain and enhance the competitiveness of the business.”

"SCG has made significant strides in green innovations to date, achieving 53% of total sales from SCG Green Choice innovations. We are committed to reaching a target of 67% by 2030, thanks to the power of everyone involved. We are ready to move forward, supporting and encouraging everyone to fully unleash their potential, to create a low-carbon society where people enjoy a high quality of life, economic growth, a livable environment, and participation from all sectors, all in line with the Inclusive Green Growth approach," concluded **Thammasak.**

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*