

**SCG Promotes Circular Economy, Joins Forces with All Sectors
To Drive Thai Industries towards Sustainability,
Develops Industrial Waste Power Plant with**

Southeast Asia's most modern technology, test run in late 2019, operation to start in 2020

Bangkok – SCG, via SCI Eco Services Company Limited, has joined with the Industrial Estate Authority of Thailand, the Department of Industrial Works, and also community leaders and entrepreneurs in Map Ta Phut area in conducting a feasibility study on upgrading industrial waste disposal based on the Circular Economy concept. The new industrial waste power plant will boast Japan's Gasification with Ash Melting technology. Located in Map Ta Phut Industrial Estate, this plant is a spinoff business built upon the principle of the circular economy. It will be the first in Southeast Asia to feature this world-class industrial waste disposal technology, with ability to handle both hazardous and non-hazardous waste using a closed-loop process with controls in every step as required by laws. This plant is expected to conduct a test run in late 2019 and start operations in early 2020. It has a target to process at least 50,000 tonnes of industrial waste by the end of next year. SCG is confident that this industrial waste power plant will become a model business that demonstrating how to utilize resources efficiently throughout the value chain based on the Circular Economy principle, paving way for the sustainable growth of business, industrial, social and environmental sectors.

Mr. Chana Poomee, Vice President – Cement and Construction Solution Business at SCG Cement-Building Materials Company Limited, says SCG recognizes the Circular Economy as the key to sustainable economic, social, and environmental development. The company has applied this concept to its business operation under the SCG Circular Way with the conviction that such guidelines will usher success when its implementation starts through inculcation of right attitudes, promotion of understanding, and serious cooperation from all sectors to encourage Circular Economy-based manufacturing and consumption on a comprehensive and sustainable scale. **SCI Eco Services Company Limited** is highly committed to SCG Circular Way as well as 'Zero Waste to Landfill' policy. Guided by this commitment, many initiatives have been launched especially in the area of industrial waste management. Among them are solid pretreatment plant, liquid waste mixing and community waste management projects. Most recently, the company developed an **industrial waste power plant** in Rayong's Map Ta Phut Industrial Estate as a prototype business based on the principles of the circular economy.

"We are highly aware that industrial waste without proper management can affect the environment and communities a great deal," he points out. "As the first in Thailand to properly treat industrial waste in cement kilns, SCI Eco Services is leveraging our expertise spanning more than 20 years to take industrial waste management to new heights. We have spent over three years working with the Industrial Estate Authority of Thailand, the Department of Industrial Works and Map Ta Phut community leaders to conduct an environmental health impact assessment (EHIA) and the feasibility

study to set up an industrial waste disposal and power plant that complies with the laws and supports the concept of circular economy. With a budget of more than 2.4 billion baht, we are bringing Southeast Asia's most advanced technology to this plant, which is being constructed with green supply chain management on 15-rai expanse of land in Map Ta Phut Industrial Estate, a strategic industrial location in Thailand. The plant will conduct its test run in late 2019 and begin operation early next year".

Mr. Sanit Kessuwan, Business Stakeholder Engagement Director at SCG Cement Company Limited, adds, "We always keep our eye on modern innovations and technologies that can be introduced to help drive our business progress. Gasification with Ash Melting is the most advanced industrial waste disposal technology in Southeast Asia, and it coincides very well with SCG's circular economy and 'Zero Waste to Landfill' approaches. We are the first and the only plant in Southeast Asia to use this technology. It supports numerous types and sizes of industrial waste, both hazardous and non-hazardous. More importantly, the process leaves no residues to be disposed, but by-products that can be reused to make the most of resources."

Mr. Panya Sopasriphan, deputy director for Business Stakeholder Engagement at SCG Cement Company Limited, says, "The plant's operation is a closed-loop system. It will feature pollution and waste control systems that comply with internationally recognised standards, from reception of industrial waste from entrepreneurs and the transport to sorting centre for pre-disposal evaluation and analysis through to the disposal in gasifier and ash melting furnace. While post-combustion residues such as aluminium, steel and fly ash are recyclable, others that are incombustible can be used as alternative materials for road construction. The power derived from the process is used for electricity generation while the water used is treated for reuse. This plant will have a capacity to process 65,000 tonnes of industrial waste per annum".

"We have now implemented the plan to raise public awareness of the plant among target groups and local communities, highlighting the plant's remarkable technologies, standards, and residue-free waste disposal. Our main target groups are industrial plants in the East, particularly those from automotive industry, refinery industry, and electronics industry. Also, we would like to invite entrepreneurs from all industries to accord importance to the need to properly dispose of industrial waste so as to drive Thai industries towards sustainable growth. To reaffirm our commitment to Circular Economy promotion, SCG will organize SD Symposium 10 Years "Circular Economy: Collaboration for Action". This world-class seminar will address environmental issues that affect society and present success stories from various parts of the world. This forum will also facilitate the exchange of experiences and include workshops. Designed to explore waste-management guidelines for Thailand and its construction industry based on the Circular Economy concept to drive forward Thai and ASEAN industry in collaboration with all sectors of Thailand and the rest of the world, the symposium will take place on 26 August 2019 at the Centara Grand and Bangkok Convention Centre, CentralWorld, 22nd Floor. For more information, please visit, www.scg.com/sdsymposium," **Mr. Chana** concludes.

Industrial entrepreneurs wanting more information on industrial-waste management can conveniently browse to www.scieco.co.th or contact SCleco via Tel +66-2-586-5798 or email sci-eco@scg.co.th. For updates about SCG, check out scgnewschannel.com/th, Facebook: [scgnewschannel](https://www.facebook.com/scgnewschannel), Twitter: [@scgnewschannel](https://twitter.com/scgnewschannel) or Line@: [scgnewschannel](https://www.line.me/tv/scgnewschannel).

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