**SCGC Launches Innovative Polymer for High-Pressure Resistant Pipes,   
the Answer for No-Dig Installation to Capture Sustainable Urbanization Trend,   
First Internationally Certified in ASEAN**



**Bangkok – 28 March 2023** SCG Chemicals, or SCGC, Chemicals Business for Sustainability, recently **launched "SCGC PE100RC," the plastic resin for HDPE pipe in water distribution infrastructure systems, specially used Horizontal Directional Drilling (HDD) installation, the technique that is a future solution for piping installation in cities that helps installer avoid the open trench process. Therefore, the energy consumption and greenhouse gas emissions are lowered** throughout the installation. PE100RC has been, the first of its kind in ASEAN, certified European’s EN 1555-1 standard.

SCGC has been developing innovative resins for high-pressure resistant pipes consistently, from PE80, PE100, to PE112 polymers, to meet the domestic and international HDPE pipe industry's needs. It has been trusted by major projects. For example, the use of PE112 resin for a submarine water pipeline distributing potable water from Surat Thani Province to Koh Samui, and a slurry pipeline in gold mines in Indonesia. The latest innovation of PE100RC is major improvement from PE100, which is already highly resistant to deep burial pressure. PE100RC offers better strength and toughness, thus can withstand slow crack growth ten times greater than the conventional one.



**Sakchai Patiparnpreechavud, Executive Vice President and Chief Commercial Officer of SCG Chemicals Public Company Limited, or SCGC,** said,“SCGC, Chemicals Business for Sustainability, strives to develop innovations in the high-value-added products and services (HVA) segment, green innovation & solutions, and innovations for low-carbon needs. We engageCircular Economy and megatrends as our guide for product and solution development in order to delivers high-quality products to customers around the world to manufacture end products that are appropriate for a broad spectrum of applications in daily life and across industries.

SCGC has recently introduced PE100RC resin, H1000PCH, for HDPE pipe production, which is in accordance with the urbanization-driven infrastructure megatrend. It can be installed using HDD technique, which reduces the issue in cities where roads are frequently dug up for pipeline trenches. The product is certified by EN 1555-1, making it the first in ASEAN to obtain this certification. It is believed that this PE100RC will help transform pipeline installation in Thailand while also satisfying the needs of the European market. In the meanwhile, it also minimizes installation-related energy consumption and greenhouse gas emissions."

Pressure-resistant PE100RC pipes are appropriate for, but not limit to, HDD (Horizontal Directional Drilling), a pipe installation method in which the pipeline is pulled through from the surface entry. At the same time, the ground area continues to function properly during installation. This technique is ideal for areas such as sidewalks and busy roads. This installation method is popular in Europe because it requires less manual labor while saving energy and resources and lowering greenhouse gas emissions. With this technique of piping installation, the pipe is pulled through the drilled underground tunnel, where the surface is easily scratched and damaged. As a result, the pipe must possess exceptional strength and toughness to withstand pressure and last longer.

More information: <https://www.scgchemicals.com>