

Plantec-Graforce signed an MOU to participate in the turquoise hydrogen production facility construction project



On the 19th, Plantec signed a MOU (Memorandum of Understanding) with Graforce, Germany, to participate in the turquoise hydrogen production facility construction project. Plantec New Business Center Director YeongUi Min (left) and Graforce President Mr. Jens Hanke take a commemorative photo.

On the 19th, Plantec (CEO Bonjin Koo) signed a MOU (Memorandum of Understanding) with Graforce, a German Plasmalyse technology company, to participate in the turquoise hydrogen production facility construction project.

This MOU was made to preemptively respond to the project to build a turquoise hydrogen production facility in Korea.

Turquoise hydrogen is a technology that obtains hydrogen and solid carbon through methane plasmalyse, and it is a technology that is steadily attracting

attention as a clean hydrogen production method that will contribute to the realization of carbon neutrality because carbon dioxide is not generated.

Plantec is a company specializing in steel and industrial plants, and has been carrying out projects throughout the entire hydrogen cycle, including hydrogen production, storage, transportation, and utilization.

Through this MOU, Plantec plans to focus on strengthening its technical capabilities in the turquoise hydrogen production facility construction project and enhancing its competitiveness in the domestic and overseas hydrogen markets.

Graforce is a company that has innovatively developed hydrogen production and carbon dioxide removal technology through plasmalyse technology, and is known to have a technology that can reduce electricity consumption by nearly 80% compared to hydrogen production by conventional water electrolysis.

In fact, Graforce has built a methane plasmalyse demonstration plant in Austria for commissioning and produced about 50 kg of hydrogen and 150 kg of solid carbon from 200 kg of natural gas (biomethane) per hour.

Min YeongUi, director of Plantec's New Business Center, said, "Through this MOU, Plantec is ready to play a role in the construction of a turquoise hydrogen production facility" and added, "We will continue to grow into a company with expertise in the overall hydrogen industry and contribute to the development of the hydrogen industry."

Through this MOU, Plantec expects to increase its competitiveness in the turquoise hydrogen production facility construction business and be an important milestone in seeking new growth opportunities in the global market.