

## **IPC Delivers World's Largest scale LNG Cold Power Generation Unit (4000kw) to Shanghai LNG Company Ltd.**

Today, IHI Plant Services Corporation (IPC) is pleased to announce that IPC delivered the LNG Cold Power Generation Unit<sup>(\*1)</sup>, which was awarded in 2019, to Shanghai LNG Company Ltd.<sup>(\*2)</sup>



This Power Generation Unit with a 4,000kW turbine that uses LNG cold energy for generating electricity was additionally installed in the existing LNG receiving terminal where IPC, as a member of consortium contractor for the project, built three 165,000 kiloliter LNG tanks in 2009.

In the global energy transition movement towards carbon neutrality, Liquefied Natural Gas (LNG), having the lowest GHG emissions among fossil fuels, is expected to continue to play an important role in the global energy demand. This facility can reduce CO<sub>2</sub> emissions by up to 10,000 tons per year by utilizing LNG cold power that has not utilized at the LNG terminal previously.

IPC has previously delivered similar cold power generation units in Japan, and now aims to promote widespread adoption of this facility to overseas LNG terminals, where significant global demand is anticipated. Also, as a member of the IHI Group, IPC will contribute to the resolution of social issues, including carbon neutrality, by promoting business that fully considers the environment and society.

(\*1) Shanghai LNG Company Ltd.:

Business entity of the Shanghai LNG receiving terminal, in which Shenergy (Group) Company Limited (a power and gas supply company in Shanghai) holds 55% and CNOOC Gas & Power Group Co., Ltd. (a 100% subsidiary of CNOOC's LNG division) holds 45% of the shares.

(\*2) LNG Cold Power Generation Unit:

LNG vaporization/power generation system that integrates Rankine cycle power generation feature, which utilizes seawater as a heat source, LNG as a cooling source, and propane as an intermediary medium to the traditional LNG vaporization function.

<Attached Document>

Schematic Diagram of Cold Power Generation Unit

