

LARGE HELIUM REFRIGERATION PLANT OPERATING EXPERIENCE

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Abstract

Air Products and Linde have signed a Teaming Agreement to pursue refrigeration services for the proposed International Linear Collider. Air Products brings unique helium liquefaction and refrigeration capabilities to the table through its operation of one third of the world's cryogenic liquefiers and ownership of Gardner Cryogenics – the world's leading developer, designer and manufacturer of liquid helium storage, distribution and transportation equipment. Air Products is an industry leader throughout the helium supply chain, from providing technology for crude helium extraction from natural gas, to delivering liquid helium to end users, as well as through MRI helium supply activities. Air Products has designed and installed most of the world's crude helium extraction plants. Linde designs and builds cryogenic plants and systems for the most varied fields, from fundamental research and industrial HTS applications to the cooling of superconducting accelerators and cold neutron sources, fusion and fission applications and the industrial liquefaction of helium and hydrogen.

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