



RSI and the LNG value chain simulation

RSI takes INDISS™ a step ahead in the low temperature simulation applied to LNG process design

RSI markets a line of products and services based on INDISS™, its dynamic proprietary simulation platform.

RSI has been awarded a number of contracts in LNG Industry in various projects worldwide, all along the LNG network from the gas production up to its distribution through its transport by LNG carriers and pipelines.

These contracts re-enforce RSI presence in the latest innovative technologies of gas processing area.

June, 29:

RSI has been selected by AXENS to develop a dynamic engineering simulator for its innovative Liquefin™ process (new process for Liquefaction of Natural Gas). This state of the art application will be used by AXENS to evaluate process design decisions and improve the overall plant operation strategy.

This contract award is the result of a detailed assessment of INDISS™ by AXENS process experts, and 2-year collaboration on its process.

The simulator includes a rigorous simulation of the cold box and the refrigeration loop through the entire temperature range (from 40°C to -160°C).

The Plate-Fin Heat Exchanger (PFHE) unit operation, which models the heart of the process, has been developed jointly by RSI and AXENS.

The robustness of the unit operations - PFHE, Very Low Temperature Compressor, Expander, Turbine – allows transient simulation which is essential for engineering studies.

July, 12

RSI delivered the first dynamic simulator of a cryogenic application on an LNG carrier, for CRYOSTAR, manufacturer and leader in the cryogenic market.

Cryostar's combined cryogenic machinery for cargo handling currently equips 2 out of 3 LNG carriers worldwide.

September, 14

RSI has been awarded a contract by the joint venture Technip-JGC which is in charge of the FEED of the PARS LNG Project and Onshore SP 11 Project in Iran.

The project consists of engineering case studies based on transient simulation of the cold box in order to validate the control system, to check equipment design and Unit safety.