



CASE STUDY severe service

CCI SUCCESS IN ALGERIA

Customer – Gassi Touil

Site - Algeria

Requirement – SAIPEM and Sonatrach were contracted by the Algerian government to develop a 5 million ton per year LNG production facility in Algeria to support the growing global demand. As the first LNG project won by Sonatrach, they sought a supplier with experience in the industry and region which could provide them a reliable solution for the anti-surge, hot gas bypass and LNG desuperheating systems.

Solution – Having served the Algerian gas fields, and SAIPEM for many years, CCI was called upon to evaluate the severity of the proposed system design and suggest potential solutions. Based on the lessons learned from previous projects, SAIPEM specified 56 inch hot gas bypass valves to achieve the 0.3 Mach exit velocity. These valves are equipped with the worlds fastest actuator, QuickTrak™, which can enable the two second open-to-close of the nearly 1 ton plug. The project also incorporated an innovative gas cooling desuperheater valve which saved both the cost of additional heat exchangers and provides tighter control over the propane refrigerant. The 16 inch x 16 inch anti-surge valves were selected with a 28 stage DRAG® multi-disk stack technology to provide the necessary control to ensure proper start-up, reduce noise to less than 85 dBA and control the vibration to the large GE compressors. As the largest LNG project in Algeria, CCI has delivered some of the largest hot gas bypass valves in the world with the technology to ensure a successful and smooth start-up of the Gassi Touil LNG facility.

