

Custom Pressure Relief Valve Solution Is Integral to Capacity Expansion Goals

RESULTS

- Full bore pilot operated relief valve with high gain option provided 32% additional capacity over existing valves
- Customer improved system throughput and reduced risk from excessive overpressure

APPLICATION

Pressure Relief Valves

CUSTOMER

LNG Facility in Asia

CHALLENGE

The customer was conducting a brownfield expansion of an LNG facility and one of their objectives was to increase plant capacity. They required new PRVs that could provide additional capacity to their existing valves, with less available overpressure from the de-rating of existing pipework.

SOLUTION

Emerson offered a custom solution - full bore pilot operated relief valves with a high gain design. This technical proposal gave the customer the ability to remain within the allowed accumulation of the de-rated pipework. For their 3 LNG trains, Emerson was able to provide 4 custom valves per train.

RESOURCES

Pressure Management LNG Capabilities
Anderson Greenwood™ High Pressure Pilot Valves



During a brownfield expansion, a custom pilot operated relief valve option allowed an LNG facility to increase throughput on 3 LNG trains.



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