



SEVERN
Superior Valve Engineering



Engineering
Excellence

Compressor Anti-surge Control Valves delivered three days ahead of schedule

Industry:

Oil & Gas FPSO

Location:

UK Central
North Sea

Project:

Two anti-surge control valves to be delivered within a tight time frame for UK Central North Sea client

The Challenge:

A North Sea operator needed a solution for a technically challenging anti-surge application, required on a very short delivery schedule of 16 weeks, the initial requirement was for one valve to be delivered and the second valve to be delivered 10 days later.

Finding a solution:

The Severn team made initial engagement with the client to fully understand the application and performance requirements that the customer needed. A swift coordinated approach internally by Severn's application and engineering team was needed and the teams worked closely together as it was imperative that the issue was identified quickly so a solution could be provided, manufactured and delivered within the 16-week delivery schedule.

The Product:

After identifying the clients requirements, the engineering team designed and manufactured two off 4" Class 1500 RTJ Fig 5413 LTCS Body, SS/FC Trim, 14 Turn CCD, P1CN Pneumatic actuator with a Neles Positioner.

The positioner was revised mid order as per clients added operational requirements, the team was seamless in reacting to this change with no impact on the design or delivery schedule.

The outcome:

The contracts department managed the scope of the job and the challenges it brought professionally and with complete transparency; the client was kept fully informed throughout the production and delivery process. The collaboration between the different departments and the constant engagement and feedback with the client ultimately led to both valves being delivered three days in advance of the 16-week schedule, this was appreciated by the client.

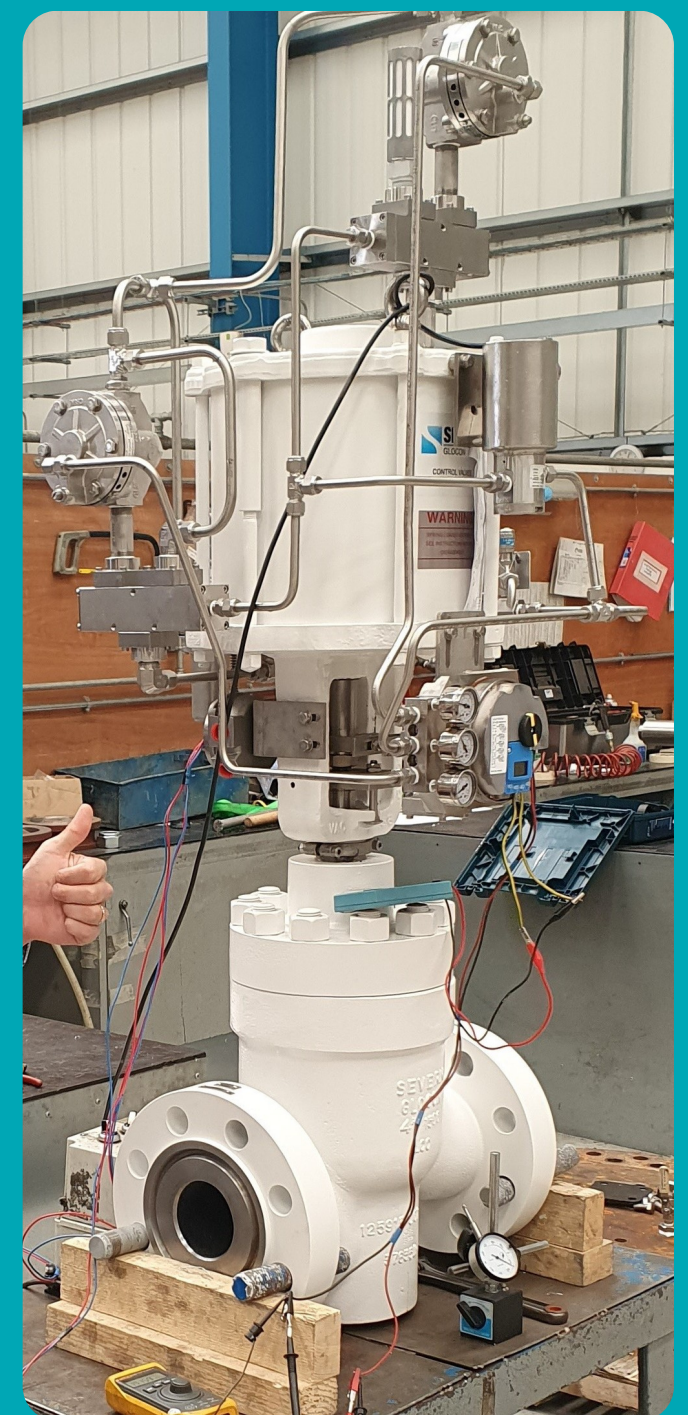
The valve performed significantly well within the anti-surge required by the client for this application, especially on small step changes. This was a major issue with the clients previous valve, and an issue our team overcame with flying colours.

Severn was requested to provide engineering support offshore on the asset, firstly with the installation and then the subsequent valve commissioning activity.

"I want to take this opportunity to personally thank the entire Severn team for their continued focus and support during this project and more importantly, for getting both valves ready for shipping ahead of an already tight schedule."

Getting two high spec anti surge valves designed, assembled, and fully tested in less than 16 weeks is definitely an achievement" - Client representative

"The team was seamless in reacting to this change with no impact on the design or delivery schedule"



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