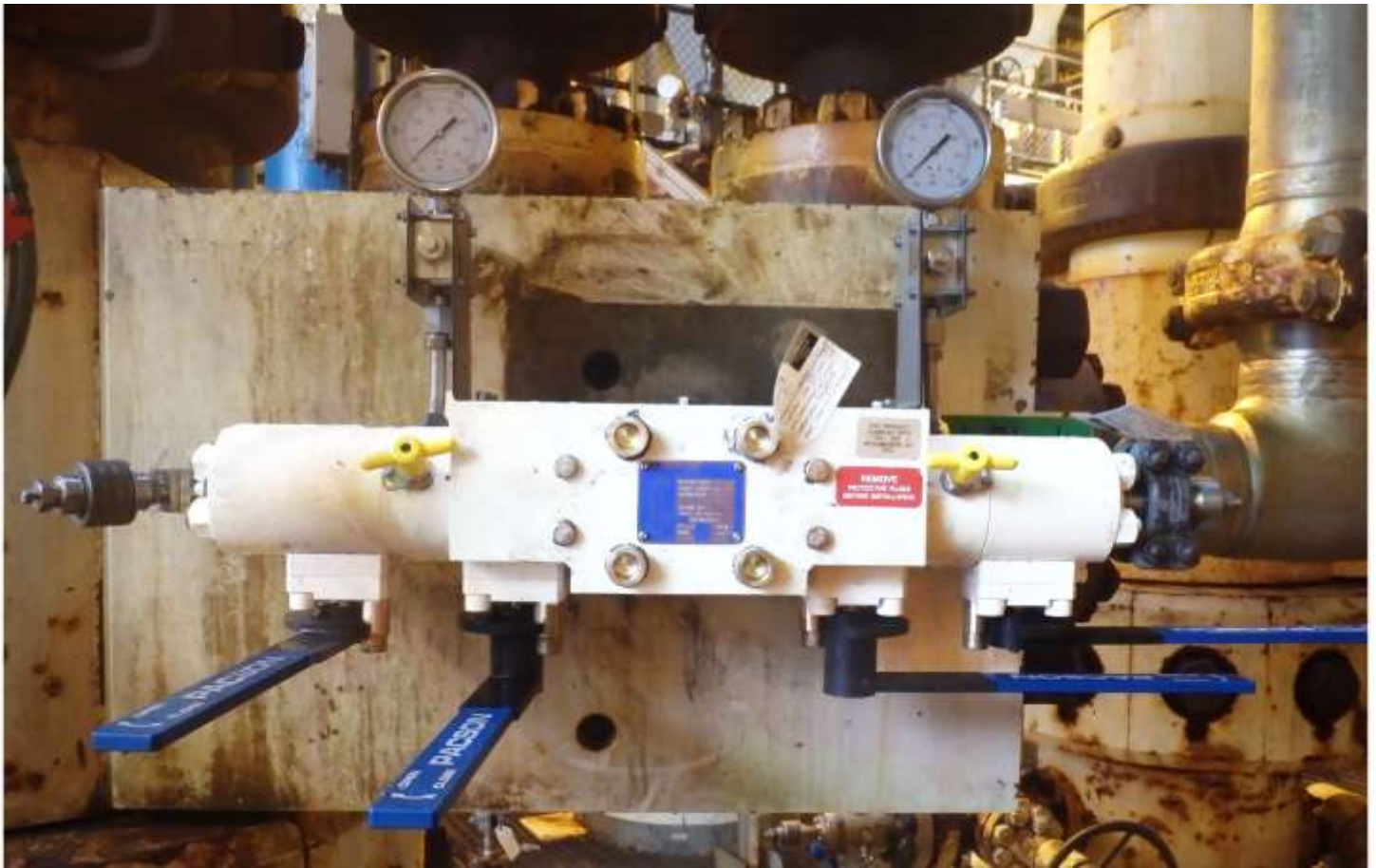
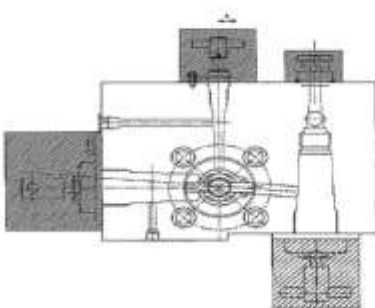


Case Studies – Methanol Injection Block



1/2" Double DBB Ball Valve, 10,000psi, -50F to 250F



Original design for replacement

Comprehensive, customer focused design



Final proposal to customer

In 2017, Pacson Valves received a request to refurbish 12 Methanol Injection Blocks for an aging North Sea platform. This design was based on Pacson's MKI 1/2" Needle Valve Stem Assembly originally manufactured in 1995. After their 20 year service, these valves were due for refurbishment or replacement and Pacson were invited to review the options.

After detailed correspondence with the platform operator it was determined that due to the age of the Methanol Line Pacson could propose a more robust assembly, which would replace both the chemical injection and pressure monitoring assemblies. To achieve this, Pacson Design Engineers worked closely with the Operators engineers to fully understand the requirements and limitations offshore.

The final assembly includes 4 off 1/2" Ball Valves based on the Pacson API 17D qualified subsea design. Each of the dual block ball valves can be bled off via a 1/2" Needle Valve. Pressure can be monitored via integrated gauge assemblies mounted onto the valve body. Each end connection, valve and gauge was tested during FAT prior to dispatch and the fully assembly was designed, manufactured and built in house.