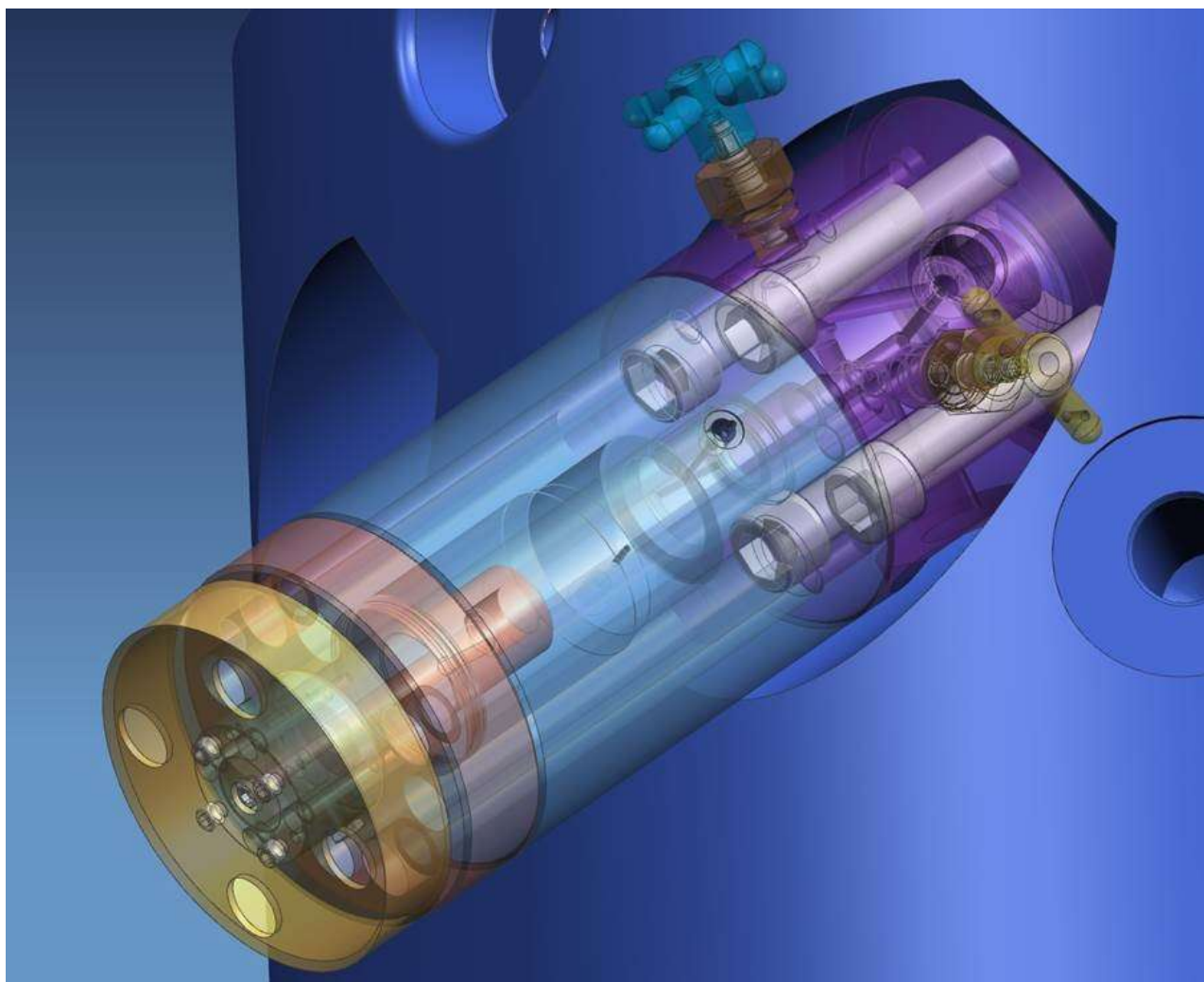


## Case Studies – Hydraulically Actuated Needle Valve



$\frac{3}{8}$ " DBB Needle Valve c/w Hydraulic Actuator, 10,000psi, -20°F to 250°F

Pacson Valves have been supplying Needle Valves for Topside Oil and Gas applications since its inauguration more than 25 years ago. Our  $\frac{3}{8}$ " Needle Valve is qualified to API 6A PR2 Annex F and API 6FA for 20,000psi at between -75°F and 400°F making them highly useful for applications such as Chemical Injection (CIV) or as Down Hole Control Valves (DHCV). As the Oil and Gas industry pushes towards a digitalised future, the need for remote operation across all segments continues to grow. As such, Pacson Valves have designed a Hydraulically Actuated Needle Valve which will allow our customers to remotely operate their chemical injection line. This valve uses the same design parameters attributed to our field proven manual assemblies, including the fire safe stem seal, lower stem sealing profile and anti-rotation coupling. It is Pacson's intention to qualify the new hydraulically actuated design to be qualified to API 6A PR2 and API 6FA. Pacson believe this design is an industry first and as such our design engineers have worked closely with our customers engineering team to ensure that this new product meets all the requirements appropriate to the application.

