

Special Projects

FlexEJ has successfully executed a number of technically demanding design and build projects for major operators.

Our design capability in both expansion and pressure piping and vessels has allowed us to deliver unique solutions to complex problems. Two of these projects are described below

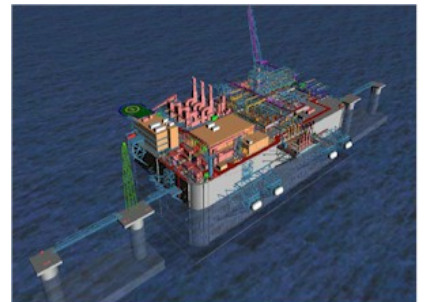
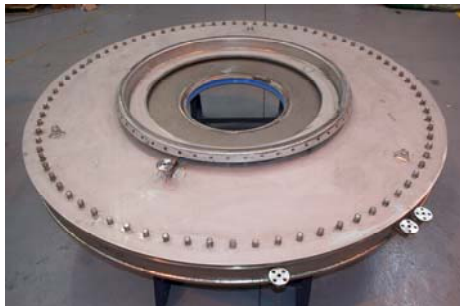
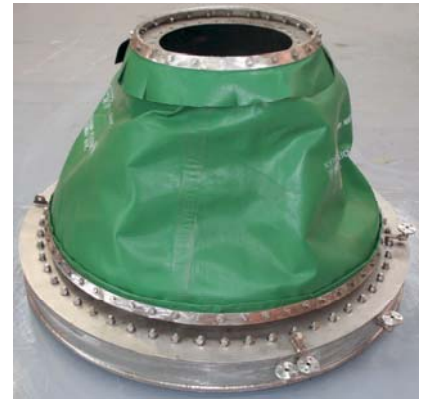
Whessoe Oil and Gas for Exxon, Adriatic LNG Project - The first example of a modular LNG Tank system

For Adriatic LNG FlexEJ designed and built a unique combination of inflatable silicon back-up seals with Fluoroplastic coated / impregnated glass fibre main seal for the tank penetrations on this project.

The concrete gravity-based structure (GBS) will be installed in 28.5m water depth, 17 km offshore Italy. The GBS has two 125,000 m³ LNG storage tanks each 150m x 33m x 28m.

The topsides facilities achieve 8 GSCM/year (775 MSCFD) send-out capacity via a 30-in diameter coated export pipeline (17 km subsea, 25 km onshore) to a meter station at Cavarzere.

The facility accommodates LNG Carriers 65,000 m³ to 145,000 m³



Relief Valve Hose Replacement

This project required highly detailed design and verification of a replacement for boiler steam relief valve hoses. The very high rate of temperature and pressure change, large piping movements together with the confined space for installation made the design very challenging.

The resulting parts were fully tested to prove movements and pressure capability.

