



CLAIR RIDGE SAVES HUNDREDS OF TONNES WITH PIPEX PX LIGHTWEIGHT FRP COMPOSITES



For the redevelopment of BP's offshore oil & gas platform Clair Ridge, topside weight saving was a crucial factor to consider. During a 3 year span, Pipex px® saved over **600 tonnes** of weight with the use of our innovative Fibre Reinforced Polymer (FRP) composite products and advanced design & engineering services. We provided:

- 4 phenolic EXTREN® structures
- 8,800m² of phenolic grating
- over 2km of Bondstrand® GRE pipe systems
- 4000m of MARRS® offshore NORSOK compliant handrails
- 290 Sea Water Reverse Osmosis (SWRO) pressure vessels (plus 4 pressure vessels in general accordance with ASME X)

For the platform's Enhanced Oil Recovery (EOR), we designed & built 2 unique CNC machines to manufacture the 290 advanced side ported FRP composite pressure vessels. 24/7 production was conducted to produce the complex pressure vessels in just 2 ½ months. [Read the full story here.](#)

[Click here](#) for a full insight into our oil & gas capabilities...