



Caisson Repairs

IMG Offshore provide a full Caisson Rehabilitation Service. Whatever the problem:

- Through Wall Perforation
- Wall loss through Corrosion or Erosion
- Corrosion/Splash Zone Protection

IMG Offshore have the solution.



Caisson Repairs



A major Gas Storage Facility in the Southern North Sea had severe through wall perforation problems





Caisson Repairs



The Caisson had several clamps fitted to provide integrity, however leakage was still occurring below the clamps



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After removal of the clamps the full extent of the damage was evident. A total of 461 holes were found within a 15 metre section





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Once cleaned, IMG Offshore's Reinforced Epoxy was applied, at a 3mm rate over the 15 metre. A fibre support sheet was embedded into the epoxy.





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To complete the repair outer shell, 10 layers of Composite Material was applied





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The Composite was compressed into place over 360 degrees using the IMG Offshore Uniwrap compression system





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Two coats of IMG Offshore's one pack epoxy paint, Liquid Armour, were applied to match the existing platform colouring - Safety Orange





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The repair took 6 working days to complete and will have a useful life in excess of 20 years





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Upon start up, 8500 gallons of sea water per minute flowed through the caisson with no leakage

