

2017

Innovation in Composite Design | **Winner: Cape UK**

Unique caisson liner repair system.

Overview

Caissons are used in a variety of applications on offshore production platforms and vessels from drainage to fire fighting water. Once a caisson has suffered internal or external corrosion it becomes ineffective. The resulting lack of integrity can pose a concern for platform operability and production. The biggest risk is if the caisson shears and parts, creating a danger to subsea pipelines and other components.

Cape offer a unique caisson liner repair system for offshore firewater, seawater or drain caissons. Removal and replacement of a caisson for an operator costs in the region of £4-5million. Cape's repair method which increases longevity of existing defected caissons by 20 years is approximately eight times cheaper. It also addresses the issue of corrosion and introduces structural strength back into the caisson.

This unique repair methodology can be installed from the top of the production platform at the caisson entry point. The repair can be done in areas with limited access using reduced tooling and a small number of operators. This innovative, low cost solution is an important development in the Oil and Gas sector.



Cape composites team collecting the award on the evening.

"This exciting new solution to an aging problem improves asset longevity and reliability, mitigates risk to the operator and reduces downtime. This award and recognition from Composites UK adds further credibility to this unique caisson liner repair system."

**Jane Atkinson, Director,
Cape Specialist Services**

The Composites UK Industry Awards are presented at the black-tie dinner which is aligned with the Composites Engineering Show in Birmingham.

Keep an eye out for our annual nomination process every May for your chance to apply.

www.compositesuk.co.uk/awardsdinner