

Subsea UK
Pipeline Inspection Maintenance and Repairs
Springboard

Oceaneering® Pipeline Repair Systems A technical overview

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SAFETY MOMENT!

Stop the Job

Sometimes the most important work you can do is to stop working

Always watch for unsafe conditions or processes, and, when necessary, stop the job until it can be done safely.

If you're working and you see a process that is not being followed correctly, or if you notice at-risk behavior going on, exercise your stop work authority by taking a quick time-out.

Then, confer with your workmates and talk to your manager to make sure everyone knows the safe way to continue.





PCRS – Deepwater Repair Systems



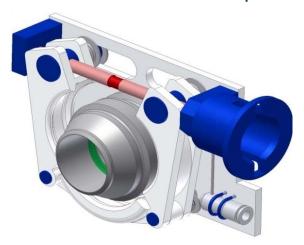
Connection Repair System



Hydraulic Smart Flange Connector



Diverless Smart Clamps



Grayloc® Subsea Remote Connectors



SUBSEA PIPELINE REPAIRS

Types of Subsea Pipeline Repairs:

Minor Repair Major Repair

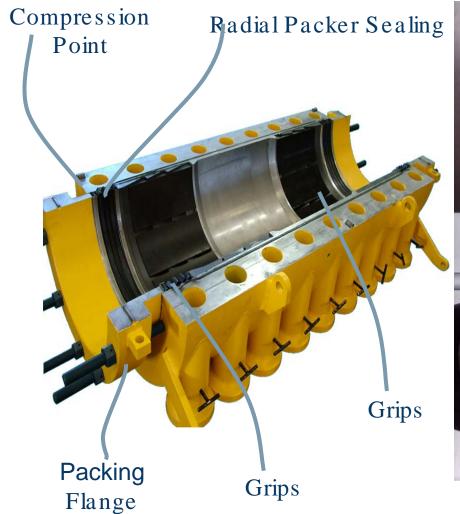


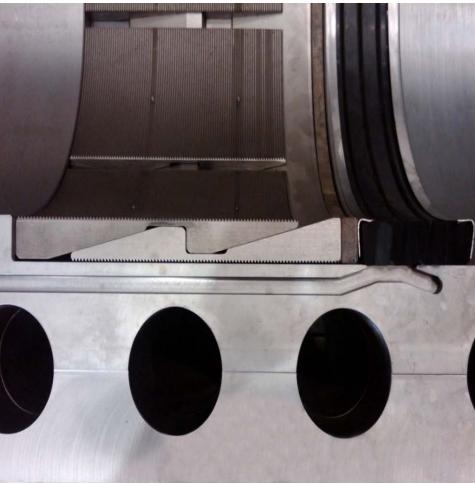




Pipeline Services

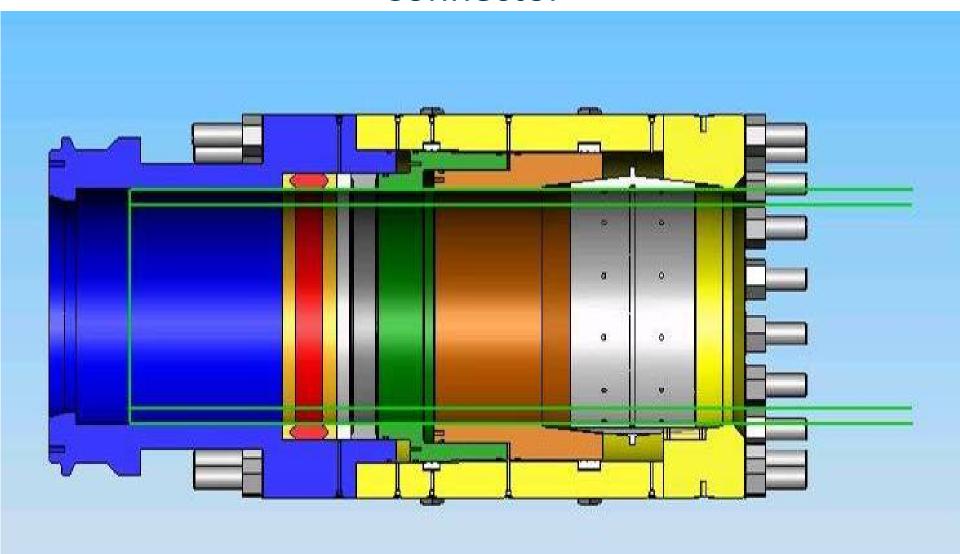
Repair Clamp





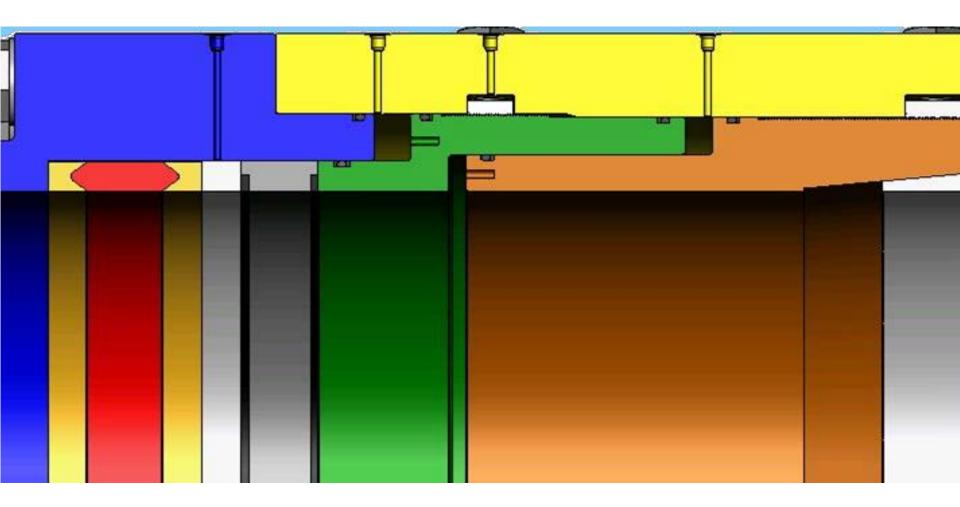


Deepwater Applications – Hydraulic Smart Flange Connector





Deepwater Applications – Hydraulic Smart Flange Connector





ROV Tooling for Deepwater Pipeline Repairs



Pipe Lift Frames



Coating & Weld Seam Removal Tool



Pipe End Preparation Tool



Pipe Cutting Tool (Chop Saw)



Pipe End Check Tool



Pipeline Repair Systems- Benefits

- Components readily available from 2" up to 24" class 900
- Suitable for both Diver and ROV assisted operations
- Quick installation
- Withstand full pipeline axial, bending and torsion loads while maintaining full pressure integrity
- No weldements are required, thus eliminating the associated Weld Procedures and Qualifications and NDT activities



Pipeline Integrity (OCEANEERING)







