Cost Effective Subsea Connection Systems

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Product Manager, OneSubsea
Over 40 years of experience with Connection Systems

Collet Connection Systems
  - Vertical
  - Horizontal

Clamp Connection Systems
  - Vertical
  - Horizontal
Capital Efficiency – A ‘life cycle’ view

Equipment
- Connection Systems
- Host Structure

Fabrication & Installation

Inspection, Maintenance & Repairs
- Brown-field operations
- Contingency Operations

Cap-Ex
Op-Ex
New Clamp Connection System that offers …

Best in class Sealing Technology
High load Capacity & Predictable Performance
Compact, Light weight designs
Installation Friendly solutions
Simple ROV fly to place tooling

Technical Benefits
Commercial Benefits
Optimization of Host Structures

Clamp & Hub Optimization

Deployment System Optimization

Host Structure Optimization

Case Study:
- 38% reduction in Footprint
- 30% reduction in Height
Optimized Tooling

- Simple ROV fly to place tooling
  - Fast, easy and reliable operations
  - Eliminates need for heavy running tools
  - Eliminates use of down-line
  - Minimizes non-productive ROV time
  - Minimal deck space on vessel
  - Minimal preparation and mobilization checks
  - Optimal use of crews and technicians offshore

- In-situ insulation
  - Eliminates additional installation time for dog houses

OCS-H Seal Cleaning Tool
OCS-V Intervention Tool
OCS-V Seal Removal and Replacement Tool
Fast and Quick Installations

**Spool/Jumper Installation**
- High capacity
  - Simple, easy to install spool design
  - Simple rigging

- Large Installation Envelopes
  - Minimal non-productive vessel time

- Minimal ROV time
  - Lift points at right location
  - Number of Lift Operations
  - No Dog houses

**Host Structure Installation**
- Optimized for Pipeline Installation
  - Designed with close collaboration with installation contractors

- Optimized Host structures
  - Lighter, smaller, installation friendly structures
Summary

- New Clamp Solution - Compact, light-weight, easy to install cost effective tie-in solutions
  - State of the art sealing technology
  - Supplier led solution
  - Low CAPEX, OPEX solution
For additional info Contact:

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