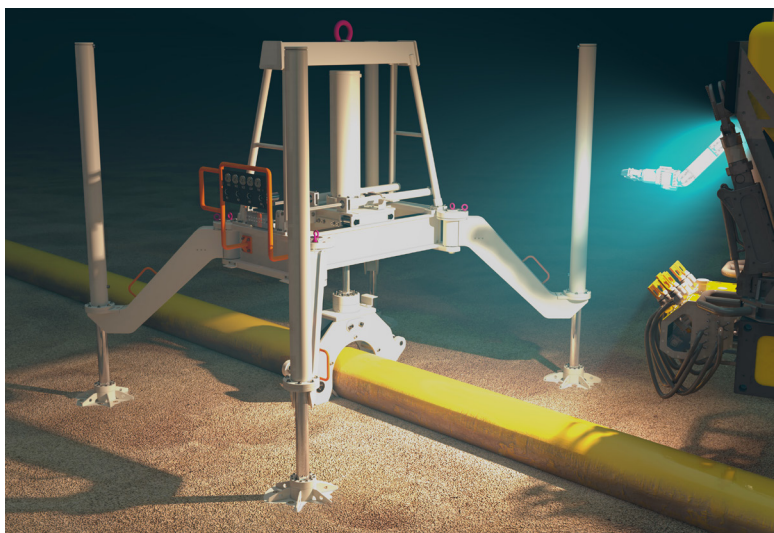


ENGINEERING SERVICES

PRODUCT GROUP SERVICES



01 // Product visualization workflow using 3ds Max



02 // Complete engineering concept visualization

DESCRIPTION

Our in-house subsea engineering teams can provide a comprehensive concept development, Pre-FEED and FEED service for subsea pipeline repair & tie-backs, interventions, life-of-field extensions, and Emergency Pipeline Repair Systems (EPRS). This service enables the operator or installation contractor to solve specific subsea challenges prior to financial commitment of the project.

Having pioneered deepwater remote pipeline repair & tie-in, CSS are uniquely qualified to solve pipeline intervention & repair challenges. Through integration of our exclusive technology, we can provide innovative solutions based on field proven equipment.

These engineering services provide the operator with the detailed and accurate information required to make the right decision, with the additional security that the design, manufacture, testing and successful installation can be achieved through CSS, should the decision be made to proceed.

Engineering Services

Pre-FEED
 Concept Development
 FEED
 Storyboard & Animation

Projects

Emergency Pipeline Repair Systems
 Subsea pipeline repair & intervention
 Tie-backs & Tie-ins
 Field Life Extensions
 Decommissioning & bypasses



03 // Product familiarisation

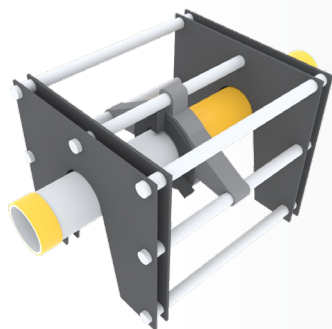


CONNECTOR SUBSEA SOLUTIONS

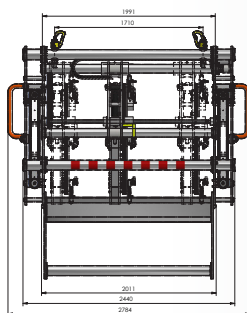
Head office: Kokstadflaten 17, 5257 Kokstad, Norway
 Locations in: Brazil, UK, Croatia & Bosnia

www.connectorsubsea.com // mail@connectorsubsea.com

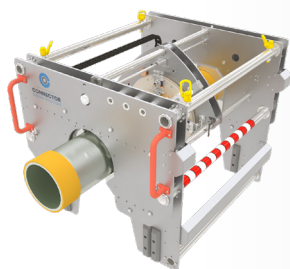
+47 99 70 11 11 // [in](https://www.linkedin.com/company/connector-subsea-solutions) connector-subsea-solutions



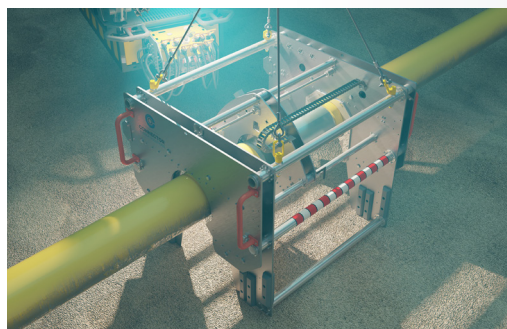
04 // Concept image



05 // Technical GA drawing



06 // 3D product rendering



07 // CRT Animation

DEVIL IS IN THE DETAIL

Concept Development can result in detailed project storyboards and animation to enable clear visualisation and ensure strong communication between the interested parties and decision makers. This approach allows experts from different fields, potentially spread across different offices in different time zones, to assess the project requirements, interfaces and assess risk to be mitigated through design iteration.

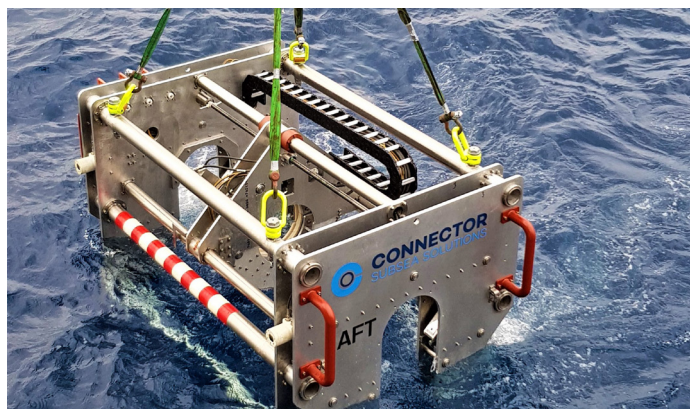
All work is carried out by internal expertise assuring confidentiality, speed of delivery and easy modification as the project develops.

RELIABLE SOLUTIONS

Our design services are based on solving a complex challenge using the skills and technology in which we exceed. To ensure the most reliable end result, we base our solutions on the field proven products and technology we have developed and used in-field. When necessary, we integrate this technology with third party providers.

CONCEPT TO INSTALLATION

From Concept, through FEED to Project execution, our engineering team will take responsibility and ensure each stage is achievable within the constraints of the project. By dealing with a single team we can ensure the smooth transition from each project phase, right through to factory acceptance testing, system integration testing, mobilisation and offshore installation. By reducing the interfaces between each stage we offer a comprehensive and optimised engineering service which increases the control to the customer, while mitigating risk to the project.



08 // CRT Deployed