




# Corrosion Resistant Alloy (CRA) Solution for Oil & Gas



Corrosion is a major challenge in oil and gas production and transport, as CO<sub>2</sub>, H<sub>2</sub>S, and sea water or chlorides in crude oil and natural gas degrade pipelines over time, weakening structural integrity.

Cladtek's CRA solutions can help protect your pipeline infrastructure, reducing costly repairs, minimising downtime, and preventing economic losses.

-  CRA Products
-  Connected Pipelines
-  Mechanically Lined Tubulars (MLT)



## Extended Lifespan

Minimise pipeline replacements with high-performance cladding that resists aggressive corrosion.



## Cost Savings & Reliability

Achieve savings with longer service life, lower material costs, and durable cladding solution that minimises repairs, and unexpected shutdowns.



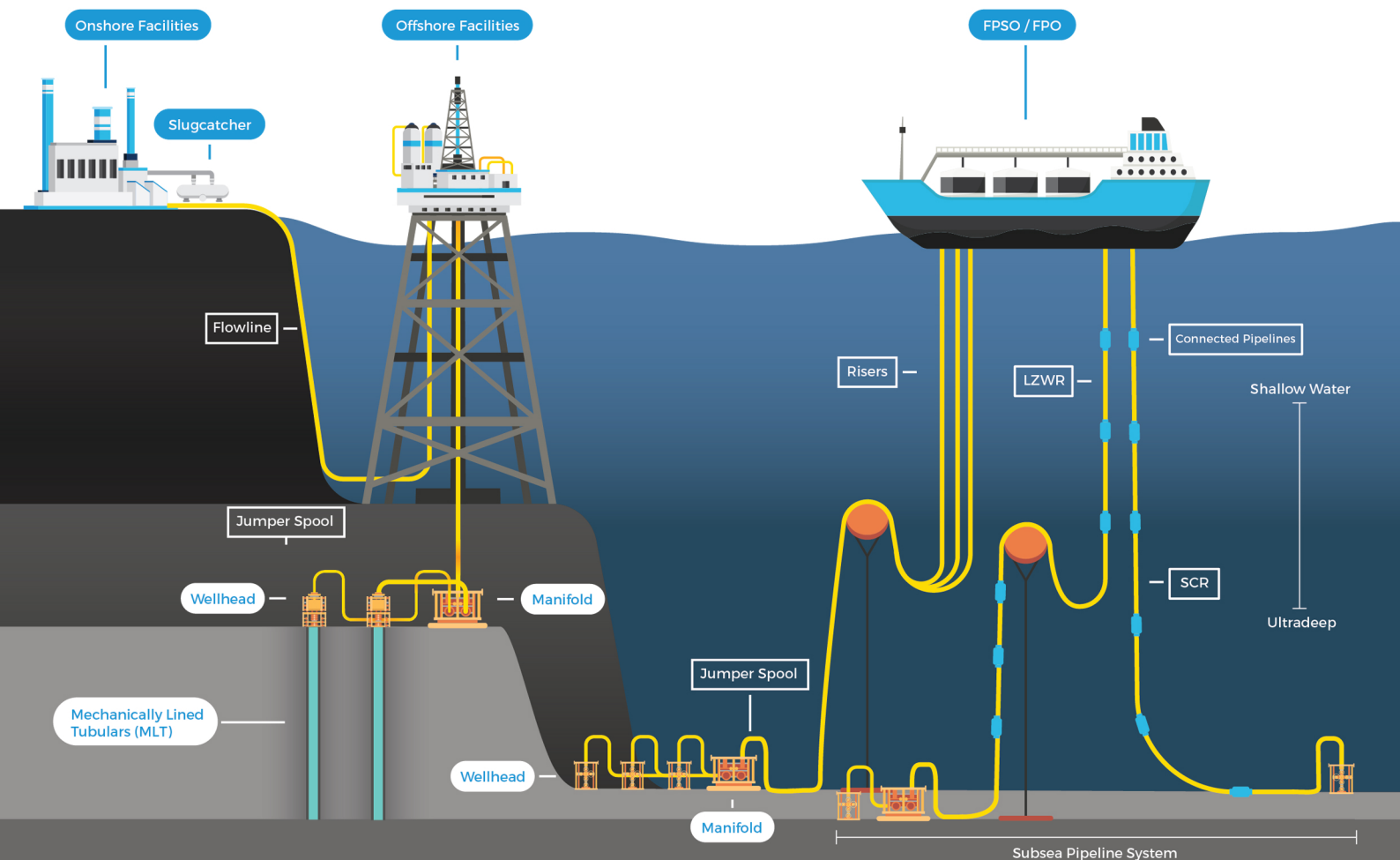
## Enhanced Safety

Reduce the risk of leaks and failures, supporting safer operations and environmental compliance.



## Eco-Friendly Approach

Minimise CRA material usage, extend service life, and source from local suppliers to lower carbon footprint.



## CRA Mechanically Lined Pipes (MLPs)



The mechanical bond between the CRA liner and carbon steel pipe ensures stability even under thermal cycling, delivering corrosion protection comparable to solid CRA pipes. By combining performance with cost-efficiency, MLP offers a smart, reliable solution for demanding applications—especially where long-term value and budget-conscious decisions matter.

Suitable for:

Pipelines

Flowlines

Riser Systems

## CRA Weld Overlay Clad Pipes, Fittings and Bends



Cladtek's clad pipes, fittings, and bends offer superior corrosion resistance in HPHT environments. A CRA layer is metallurgically bonded to a carbon steel substrate via weld overlay, creating a seamless, defect-free surface that withstands harsh conditions like CO<sub>2</sub>, H<sub>2</sub>S, and chlorides. This bond extends pipeline life by over 20 years in aggressive conditions.

Suitable for:

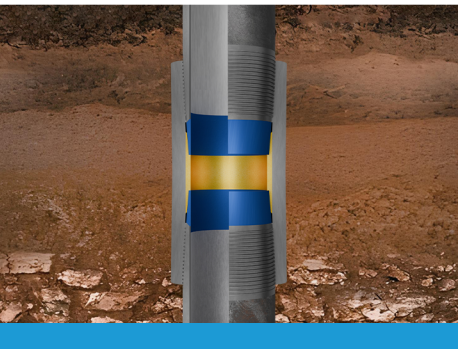
Pipelines

Flowlines

Riser Systems

Spools

## Mechanically Lined Tubular (MLT)

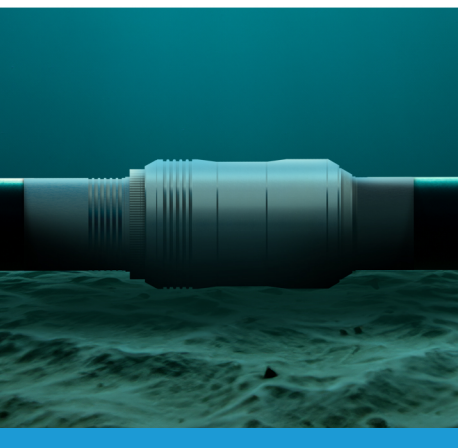


MLT technology offers scalable cost benefits as well bore diameter increases, making it more cost-efficient than solid CRA. Unlike GRE tubulars, which are unsuitable for cleaning, MLT allows for cleaning and inspection interventions.

Suitable for:

Large Bore Gas Well / Water Injection

## RapidPipe Connector



Ease of installation and reusability on pipelines and risers, compatible with both J-Lay and S-Lay methods. Qualified per DNV A203, suitable for dynamic applications, and allows for use with high-grade linepipe such as X80 and X100.

Suitable for:

PLET/PLEM/FLET Connections

Pipelines

Flowlines

Riser Systems

Caisson Installations