



BOLT TENSIONING FOR SUBSEA EMERGENCY PIPELINE REPAIR SYSTEM (EPRS)



QUICK & SIMPLE

double acting tensioning method
allowing resetting without
recovery to the surface

FAST DELIVERY

of special tools within a strict
delivery window

CUSTOM DESIGNED

to accommodate clients exact
specification

COMPREHENSIVE TESTING

provided with extensive technical
documentation and certification

THE CHALLENGE

Subsea innovation a UK based company serving the offshore industry were looking for a bolt tightening solution for structural split repair clamps.

The clamps need to be tightened remotely with the ability to reset without recovery to the surface. This project was one of the biggest of its kind, and the largest EPRS system the client had ever produced for gas pipelines off the north and northwest coast of Australia.

THE SOLUTION

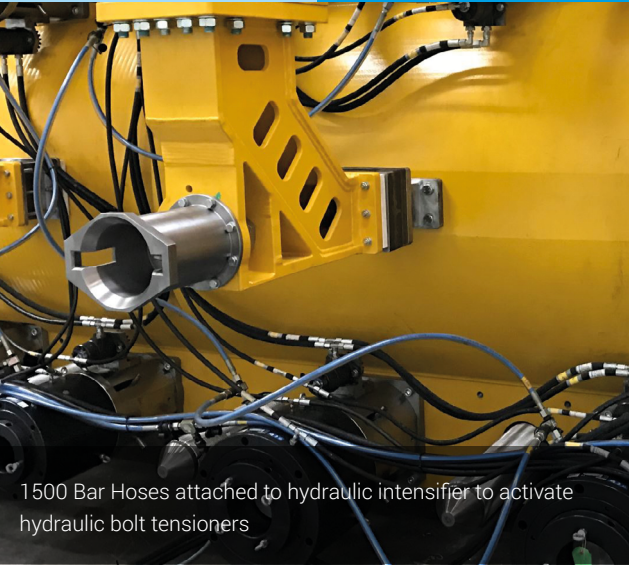
Two sizes of bolt tensioners were produced, M120 and M150 tensioners were used to tighten the main bolts located around the clamp body. The tools were designed to be activated remotely using a hydraulic control system.

The tensioners - which were designed as per the clients exact specifications - have a long stroke with a double acting design. This means that they operate in both directions so can be reset without recovery to the surface.

The EPRS in Australia will act as a contingency in the event that the gas lines need to be repaired.



SUBSEA SUCCESS STORY



1500 Bar Hoses attached to hydraulic intensifier to activate hydraulic bolt tensioners



LOCATION

Australia

APPLICATION

Subsea EPRS system

CUSTOMER

SUBSEA INNOVATION
UK

PRODUCT

M120 & M150 bolt tensioners

“ WE WERE LOOKING FOR A COMPANY THAT WOULD BE ABLE TO CUSTOM DESIGN TO OUR EXACT SPECIFICATION AND UNDERSTAND OUR NEEDS. BOLTIGHT DID JUST THAT.

Mike Brend - Project Manager
Subsea Innovation



THE OUTCOME

Satisfied customer - bespoke product delivered to customers exact specification in a tight delivery window.

Time savings and reduced repair time due to double acting bolt tensioning method delivered.



Boltight standard subsea tensioning tools

FIND OUT MORE

Founded in the United Kingdom, in 2001, Boltight is the creator of the original hydraulic bolt tensioning technology that permanently eliminates the risk of loose or over tightened bolts. We have the largest standard range on the market as well as an unlimited capacity to create custom solutions to solve our customers' unique challenges. The result over an entire lifecycle is increased uptime, savings on maintenance costs and a safer work and public environment.

Boltight is part of the Nord-Lock Group, a world leader in secure bolting solutions that offers a range of innovative technologies including Nord-Lock wedge-locking, Superbolt multi-jackbolt tensioning, Boltight hydraulic tensioning and Expander System pivot pin technology.

Find out how Boltight can solve your bolted challenges at Nord-Lock.com

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