

Trelleborg Offshore

特瑞堡海洋工程

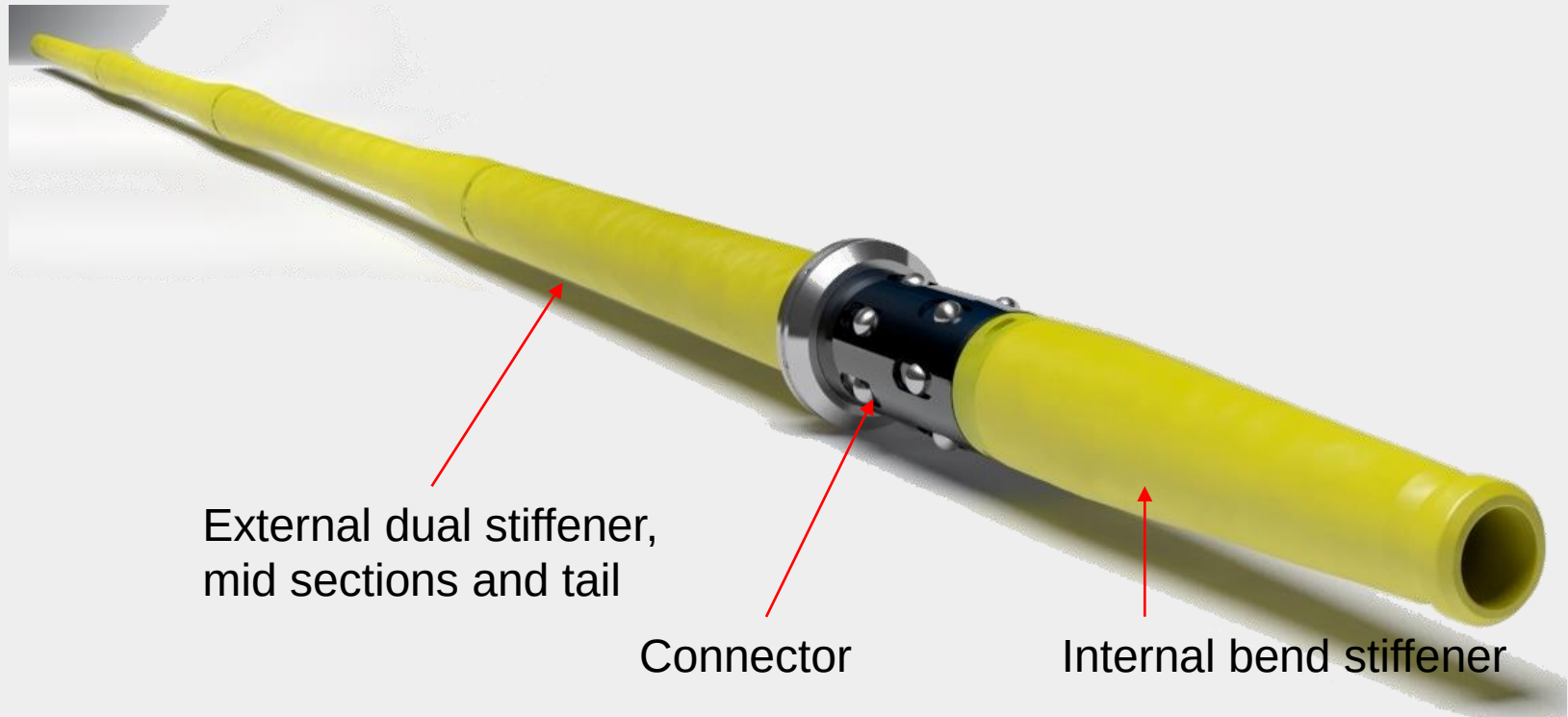
Dr. Andrew Cunningham 安德鲁 坎宁安
Sales Manager 销售经理



NjordGuard Integrated Protection System



Features



Key Benefits



Integrated:

The IPS is provided with minimal connections as the primary external dual stiffener is cast onto the connector.

集成化：

由于主要的外部双加强筋已经铸于相关接口上，
仅需极少的连接工作即可组装集成保护系统

Minimal Assembly:

As the internal and external dual stiffener come preassembled, only the external tail section need be attached.

装配简单：

由于已预先安装了内部和外部的双加强筋，仅需安装外部尾端结构即可

Key Benefits



Based on field proven technology:

Founded on established oil and gas technologies and methodologies.

基于成熟技术设计：

本系统设计基于十分成熟的油气管道保护技术和方法。

One-Size-Fits-All:

The design is capable of use on all cable sizes used within the Offshore Wind market segment.

“万全之策”：

本设计适用于海上风电领域所有尺寸的电缆，乃一劳永逸之策

Key Benefits

Design Assurance:

The design is verified using established TOUK methodologies and track record.

设计保证：

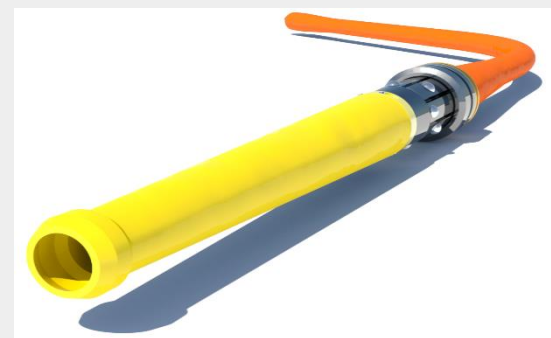
本设计已通过了TOUK方法及相关跟踪记录的验证。

Certified Materials:

The IPS uses Uraduct® and Bend Stiffener zHg materials.
PU qualified to API 17L.

材料认证：

本集成保护系统（IPS）采用Uraduct®保护系统及zHg防弯器的相关材料，所采用的PU材料亦经过了API 17L认证



Key Benefits

J-Tube or Monopile Capable:

The design permits both a J-Tube and Monopile installation without variation.

J型管道及单桩柱结构的适用性：

无需任何更改，可直接应用于J型管及单桩柱结构。

Fully Diverless Solution (including release):

The product is capable of remote installation.

组装及投放使用无需下水：

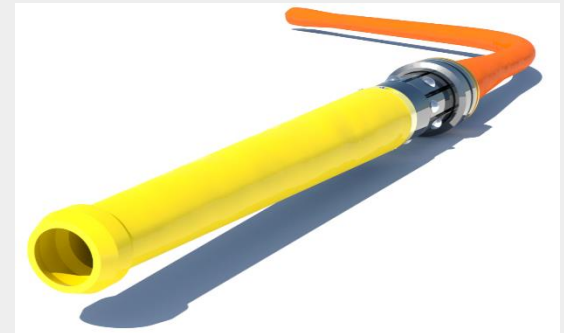
本产品可进行远程安装，无需水下操作。

Capable of long term deployment:

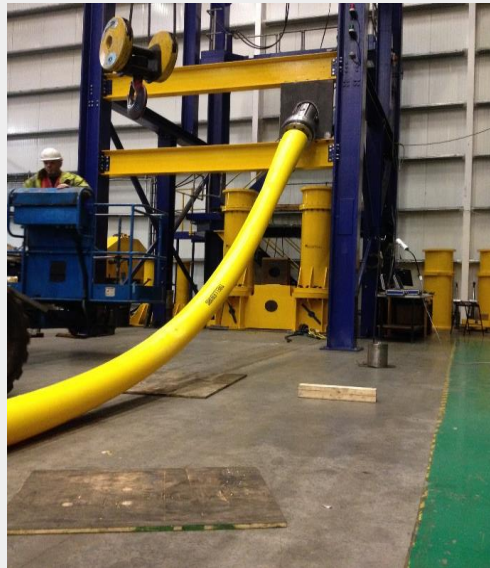
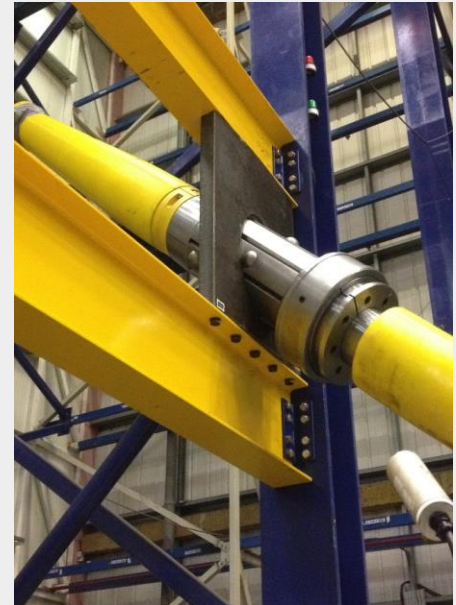
Materials used have been qualified for a 25 year life.

长期部署适用性：

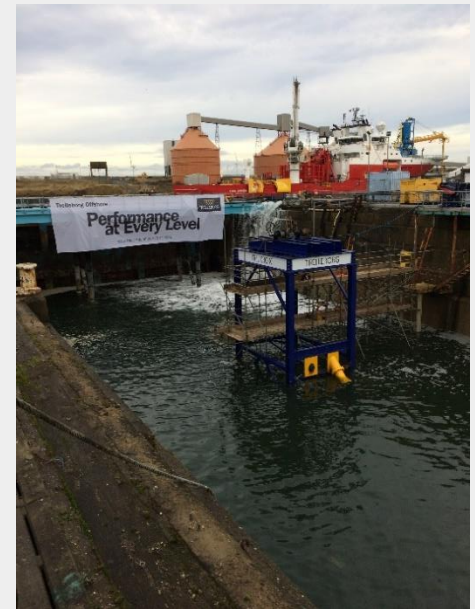
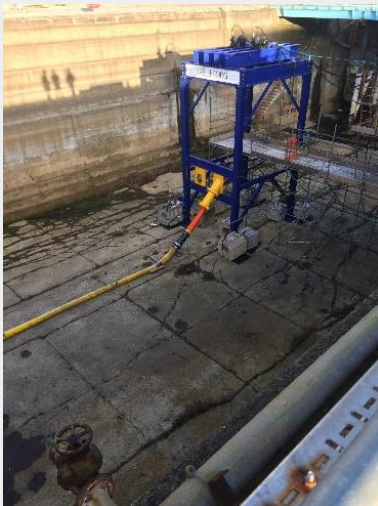
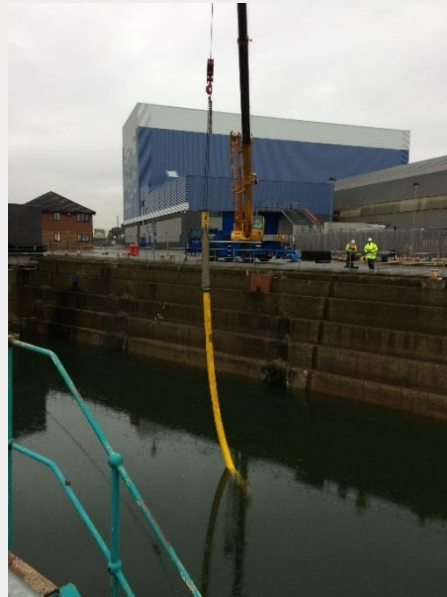
经相关机构认证，所采用的材料可安全使用25年。



Dry trials - installed



NjordGuard™ Wet Trials





Andrew Cunningham PhD CEng

安德鲁 坎宁安

Sales Manager

销售经理

Trelleborg Offshore

特瑞堡海洋工程

Mobile: +44 7866 124830

WeChat ID: andi3384

andrew.cunningham@trelleborg.com