



Flexible Engineered Solutions

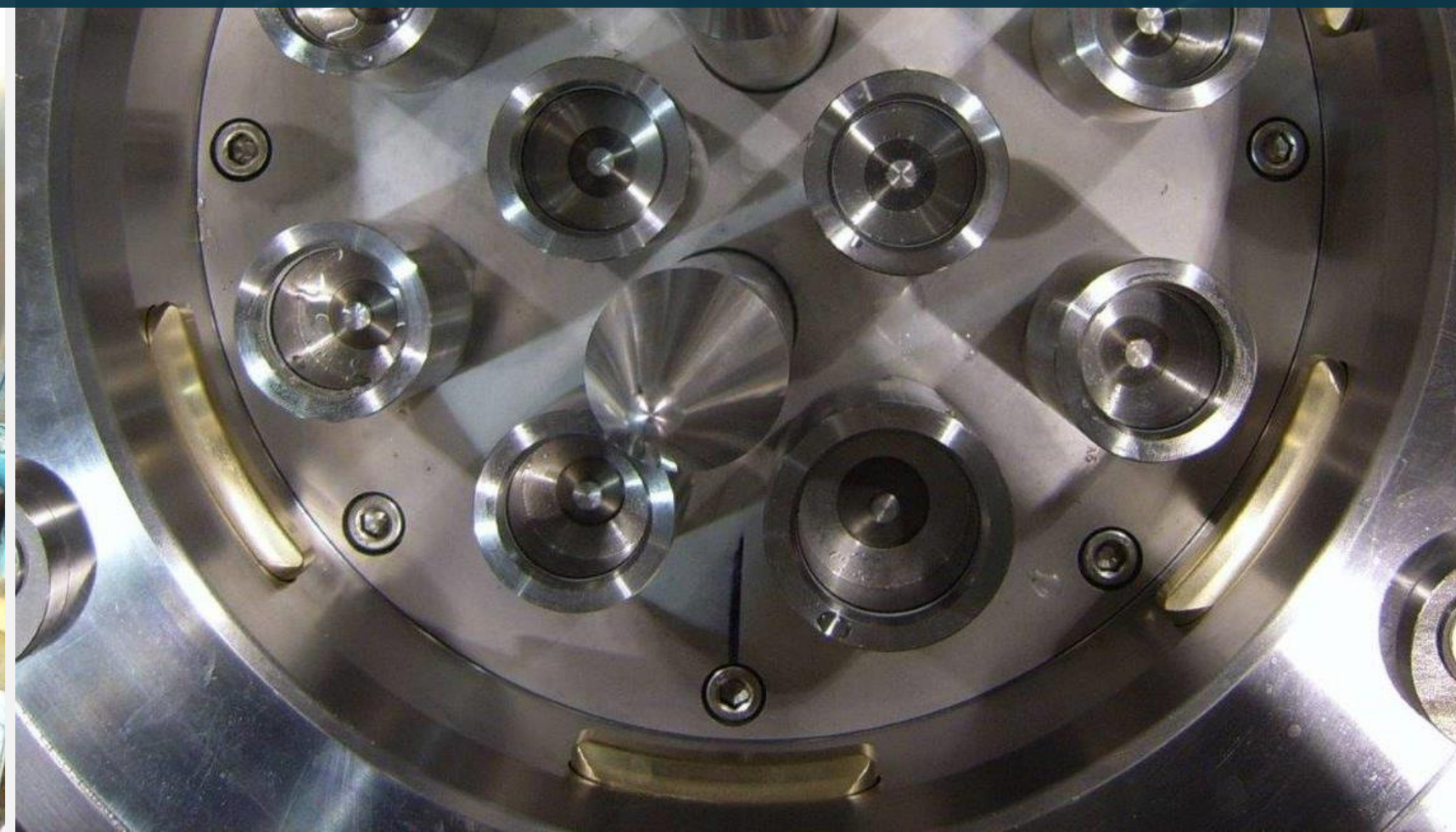


# Hydraulic/Electric/Fibre Optic Stab Plates

High quality bespoke stab plate designs, with an automatic disconnection system allowing quick release disconnections in challenging environments



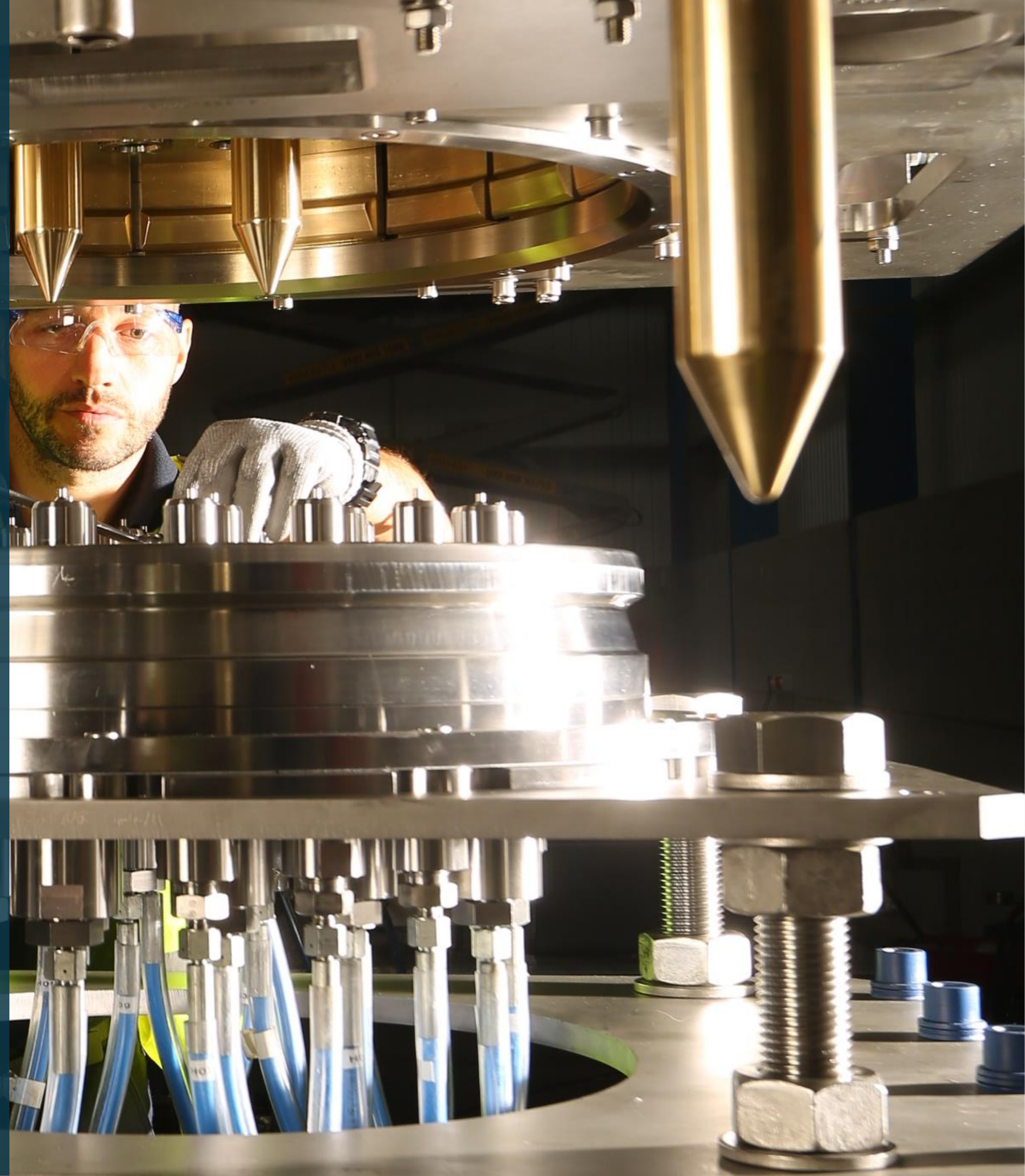
FES International Stab Plates provide efficient, safe and quick connection/disconnection of fluid, electrical and fibre optic connectors, with a range of configurations, media and installations available.



# KEY FEATURES

## FES Hydraulic/Electric/Fibre Optic Stab Plates

- Multi-path Quick Release/Automated Systems
- Pressure ranges from 0-15,000 PSI
- Materials to suit client requirements
- Multiple fluid and electrical connections varying in sizes from ¼” to 3”
- IS signals and low and high voltage connections
- Subsea / diver mate-able design
- Third party classification society approved hydrostatic and electrical testing program
- Guidance system for ease of installation
- All component parts are replaceable and fully interchangeable
- Various hose threaded connections available on request
- Minimum fluid loss on disconnection
- Full material traceability available in accordance with EN 10204 3.1 or 3.2.



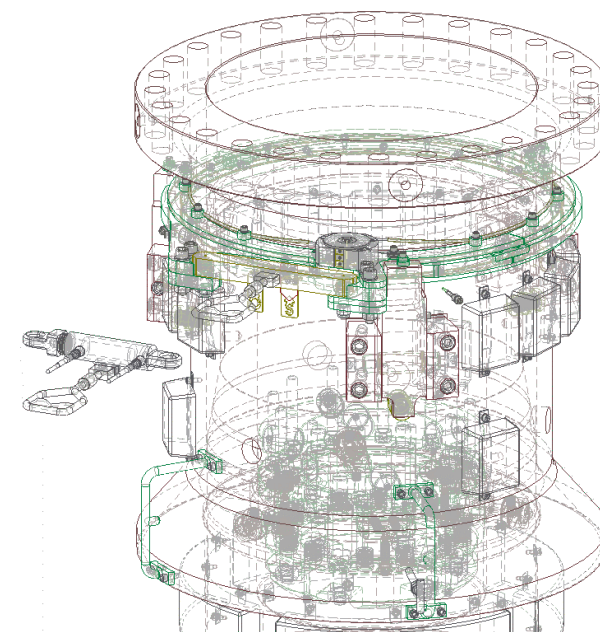
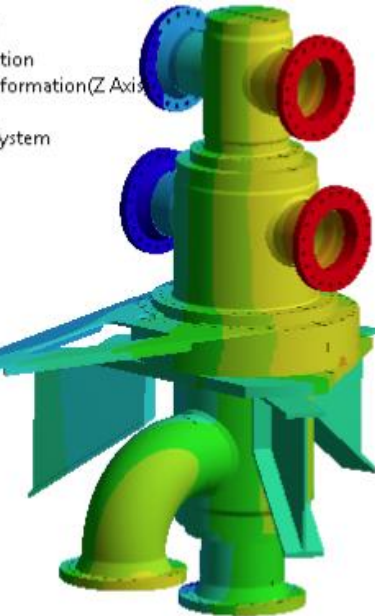
# DESIGN & ANALYSIS

FES International utilise highly qualified technical personnel and the latest software to design and analyse our products



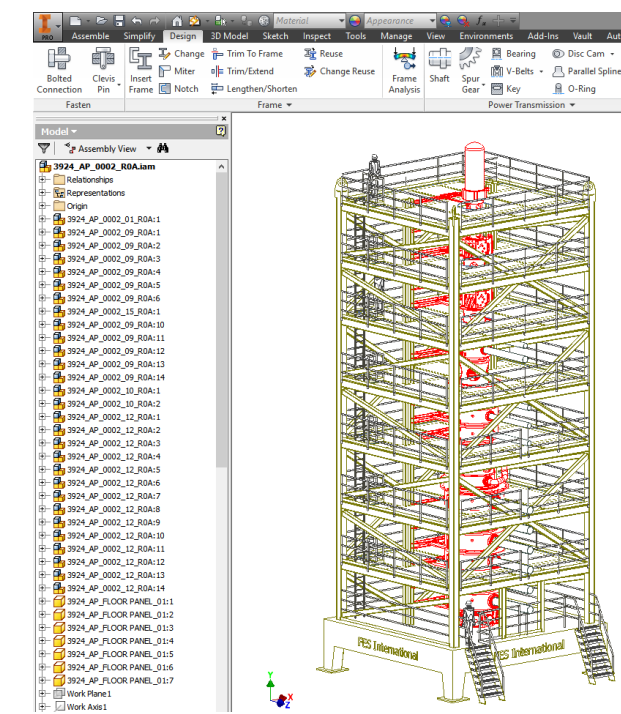
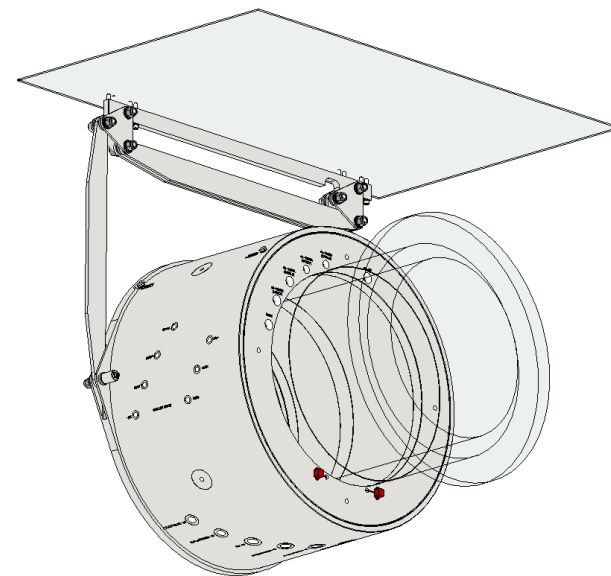
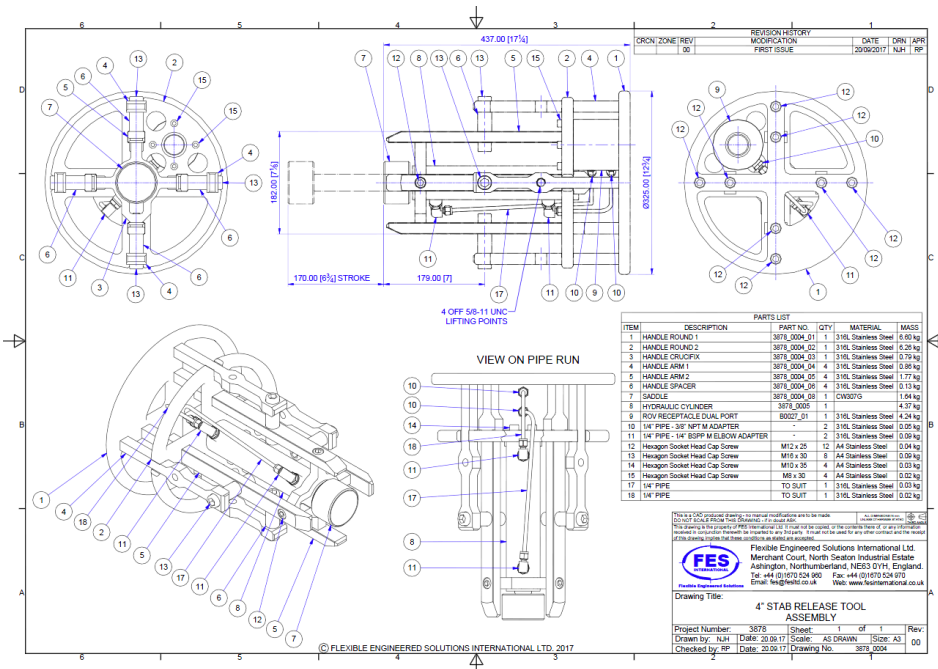
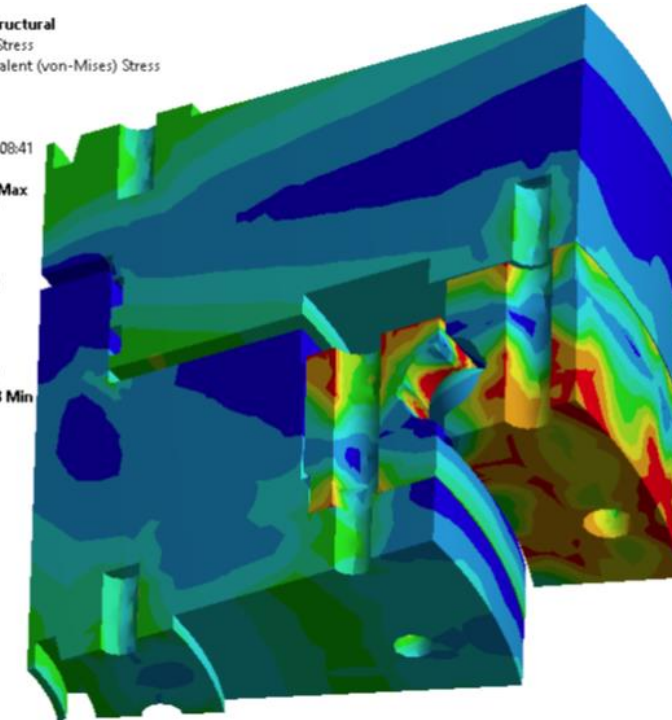
**B: Static Structural**  
Directional Deformation  
Type: Directional Deformation(Z Axis)  
Unit: mm  
Global Coordinate System  
Time: 1  
16/03/2018 08:59

5.2423 Max  
4.3583  
3.4744  
2.5904  
1.7064  
0.82246  
-0.061515  
-0.94549  
-1.8295  
-2.7134 Min



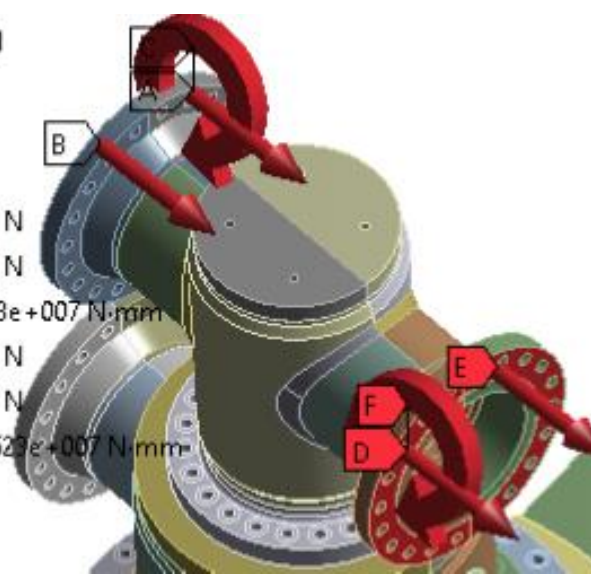
**B: Static Structural**  
Equivalent Stress  
Type: Equivalent (von-Mises) Stress  
Units: MPa  
Time: 1  
Custom  
20/10/2016 08:41

434.9 Max  
386.77  
338.63  
290.5  
242.36  
194.23  
146.1  
97.963  
49.829  
1.6948 Min

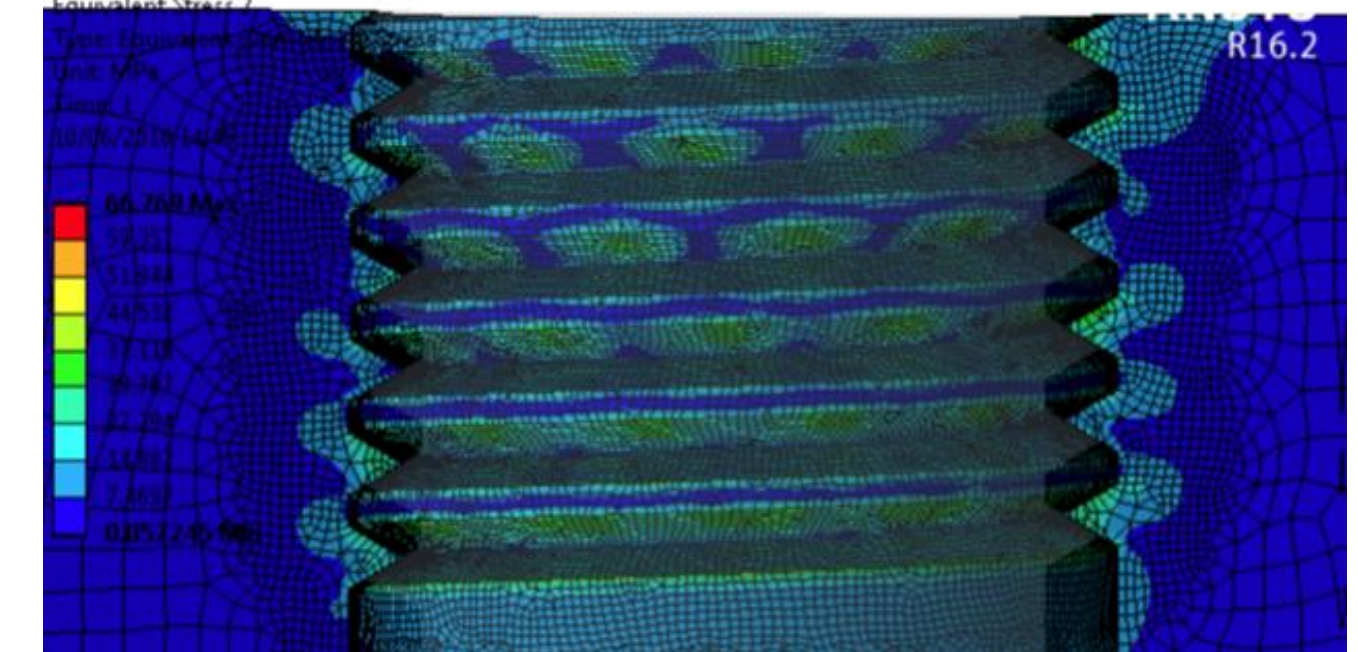


**B: Static Structural**  
Moment 3  
Time: 2. s  
16/03/2018 11:23

- A** Force 14: 16361 N
- B** Force 15: 16361 N
- C** Moment: 3.1623e+007 N-mm
- D** Force 18: 16361 N
- E** Force 19: 16361 N
- F** Moment 3: 3.1623e+007 N-mm



**A: Static Structural**  
Equivalent Stress 2



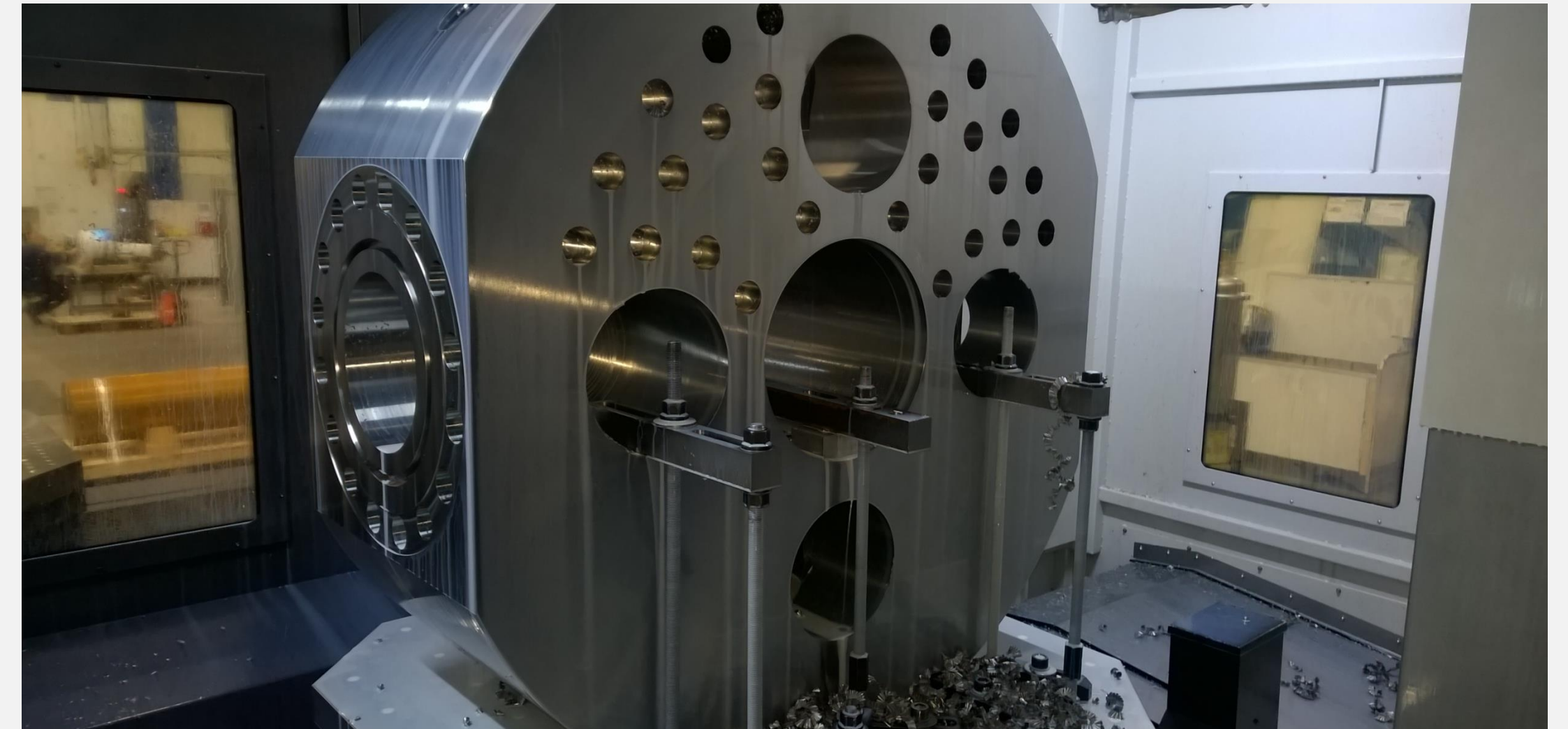
A combination of calculations in accordance with industry standards, sophisticated computer software & the latest FEA programmes are utilised to achieve the necessary design parameters and a first class engineered solution to each client project specification.

# MANUFACTURE, ASSEMBLY & TESTING

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## MANUFACTURE

All components are designed and manufactured by FES International and approved sub suppliers, ensuring that we retain control of product quality and material traceability.



## ASSEMBLY & TESTING

In-house assembly and testing facilities ensure all test procedures and inspection & testing plans are strictly adhered to.

# QUALITY, HEALTH & SAFETY

FES places quality and safety at the heart of everything we do



Certificate  
No:33532021



Certificate  
No:114742021



Certificate  
No:204072021

## QUALITY MANAGEMENT

Our quality management system has been assessed and accredited to ISO 9001:2015

Further illustrating our commitment to QHSE, our quality management system has also been assessed and certified to the stringent industry specification API Q1.

## HEALTH & SAFETY

Our health and safety management system has been assessed and accredited to OHSAS 45001:2018

## ENVIRONMENTAL

FES has been assessed and accredited to ISO 14001 certification for environmental management.

# Contact Us

## Head Office

Merchant Court,  
North Seaton Industrial  
Estate,  
Ashington,  
Northumberland,  
NE63 0YH

## Other Locations

Worldwide locations, including:

- Brazil
- China
- Ghana
- Malaysia
- Nigeria
- Russia
- Singapore
- South Korea
- Trinidad & Guyana
- United Arab Emirates
- Vietnam



## Phone

00 44 (0)1670 524 960

## Email

[fes@fesltd.co.uk](mailto:fes@fesltd.co.uk)

## Website

[www.fesinternational.com](http://www.fesinternational.com)