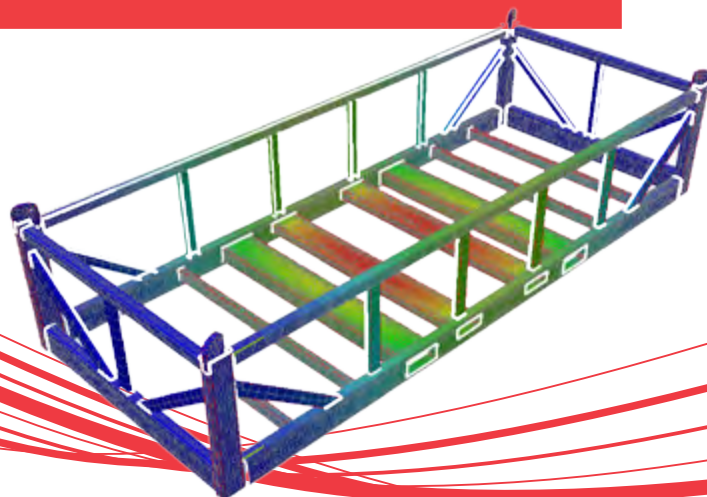


# Engineering Services



Swire Oilfield Services' team of expert in-house engineers have over 18 years experience in the design of DNV rated cargo carrying units that not only comply with industry regulations, but set new standards for innovation, safety and compliance.

## Key Services

### Equipment layout drawings

- > Our in-house engineering team can provide detailed layout drawings and images of customer equipment installed inside a Swire Oilfield Services CCU to ensure maximum space utilisation and detailed equipment securing as well as highlighting any potential safety considerations

### Re-purpose & re-certification of existing equipment

- > Where existing CCUs do not meet customer requirements, our engineers can propose possible modifications. Drawings and modification instructions are provided along with updated certification where primary structure is modified and load testing is required

### Customer interaction & collaborative design

- > Our engineers are always happy to collaborate and engage with customers, operators, manufacturers and certifying bodies to find innovative solutions to existing industry problems or safety concerns and design new equipment in partnership

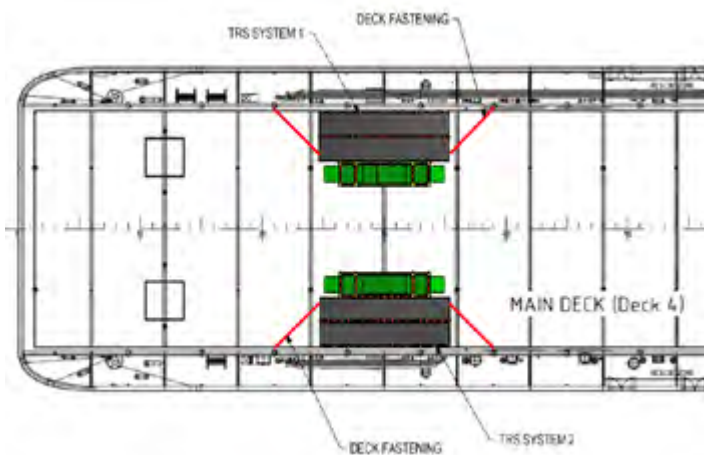
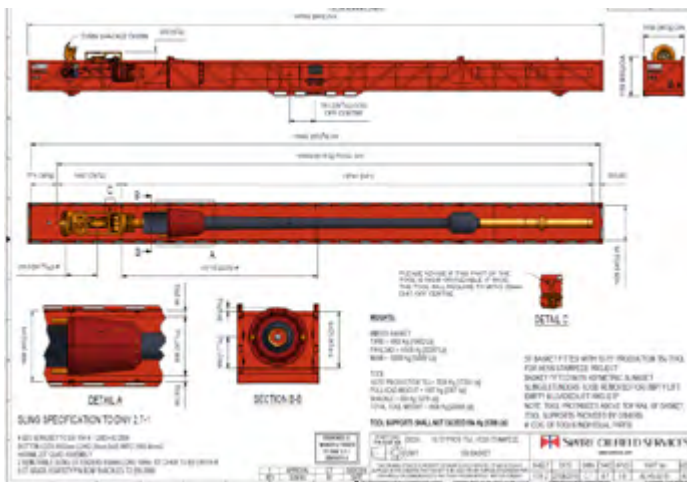
### Design only & structural integrity analysis

- > Manufacturing drawings, loading plans, deck layouts and 3D animations can be provided for a variety of structural and mechanical projects along with full calculation packages and structural based FEA reports and design certification, where Swire Oilfield Services is not necessarily involved in the manufacture or supply of the equipment

### Review customer usage

- > Evaluation of how customers and operators use our equipment can be carried out to advise alternative solutions or best suited equipment to streamline end user operations

# Engineering Services



Please contact a member of our team to find out more about the availability of this service in your region:

## United Kingdom

Tel: +44 1224 872707  
Fax: +44 1224 874516  
Email: uk@swireos.com

## Norway

Tel: +47 51653800  
Fax: +47 51653801  
Email: norway@swireos.com

## USA

Tel: +1 281 210 5598  
Email: usa@swireos.com

## Brazil

Tel: +55 22 3737-1050  
Email: brazil@swireos.com

## West Africa

Tel: +234 704 355 0394/5  
Tel: +234 808 663 3065  
Email: westafrica@swireos.com

## Southern Africa

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Tel: +44 787 647 6282  
Email: southern.africa@swireos.com

## Australasia

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## Middle East

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 SWIRE OILFIELD SERVICES

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