

Eta Process Plant and Koch-Glitsch Collaboration



Giles Coble

Tel (direct): +44 (0)1782 602215

Mobile: +44 (0) 7977 013548

email: giles.coble@etapp.com

Martin Howard

Tel (direct): +44 (0)1782 602125

Mobile: +44 (0) 7967 113113

email: martin.howard@etapp.com

 **KOCH-GLITSCH®**

YOU CAN RELY ON US.

Introduction

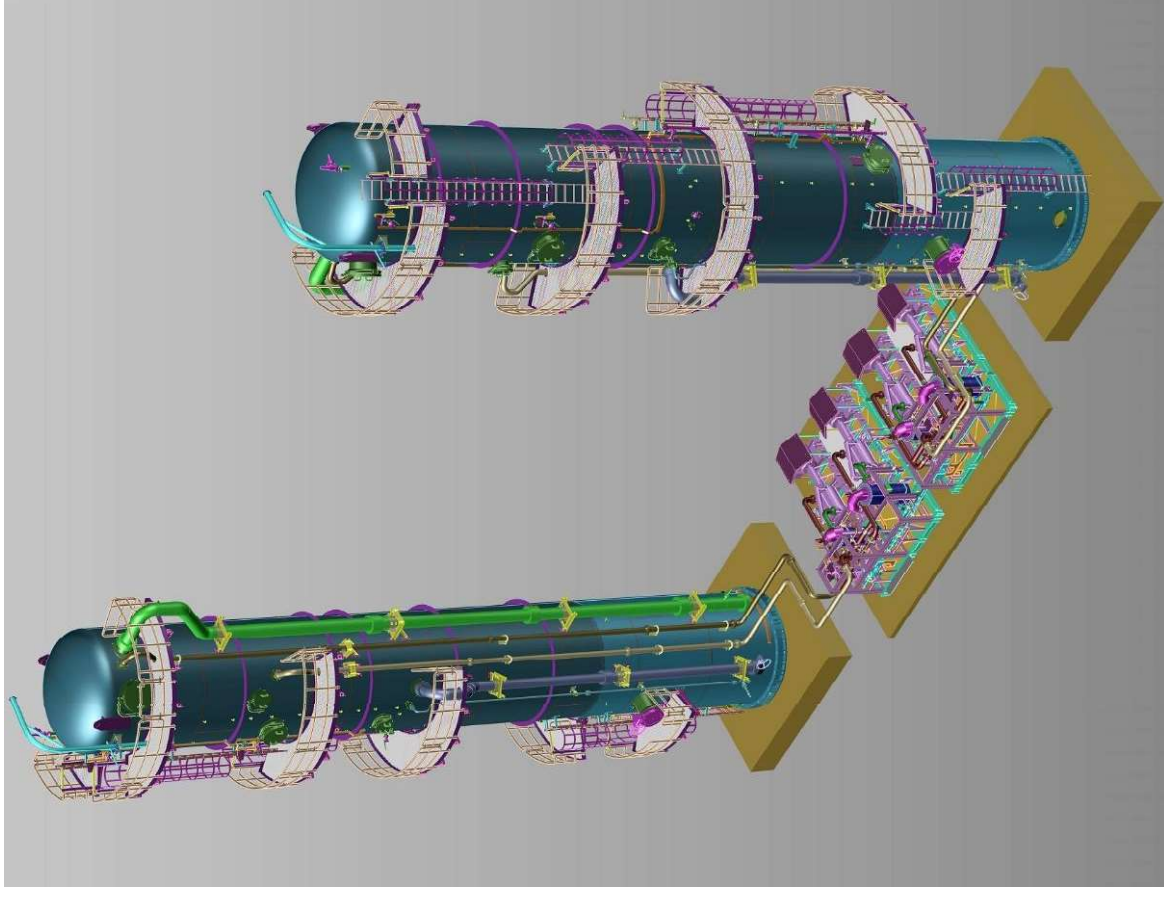


Who are ETA Process Plant?

- Eta Process Plant has become a global supplier of packaged mass transfer plants for onshore and offshore applications
- Eta established in 1972
- Eta Process Plant Ltd. was acquired by Koch-Glitsch in 2002
- World's leading supplier of package Deaeration plant for sea water injection with over 550 operating units

Core Capabilities

- **Engineering**
 - Process Simulation and design
 - Structural and Pressure Vessel design
 - Piping systems
 - Electrical
 - Instrumentation
 - Control Systems
 - CAD (Models/P&ID/GA's)
- **Projecting**
 - Project management
 - Procurement
 - Documentation
 - Site installation
 - Commissioning and site support
- **Quality**
 - ISO 9001-2015

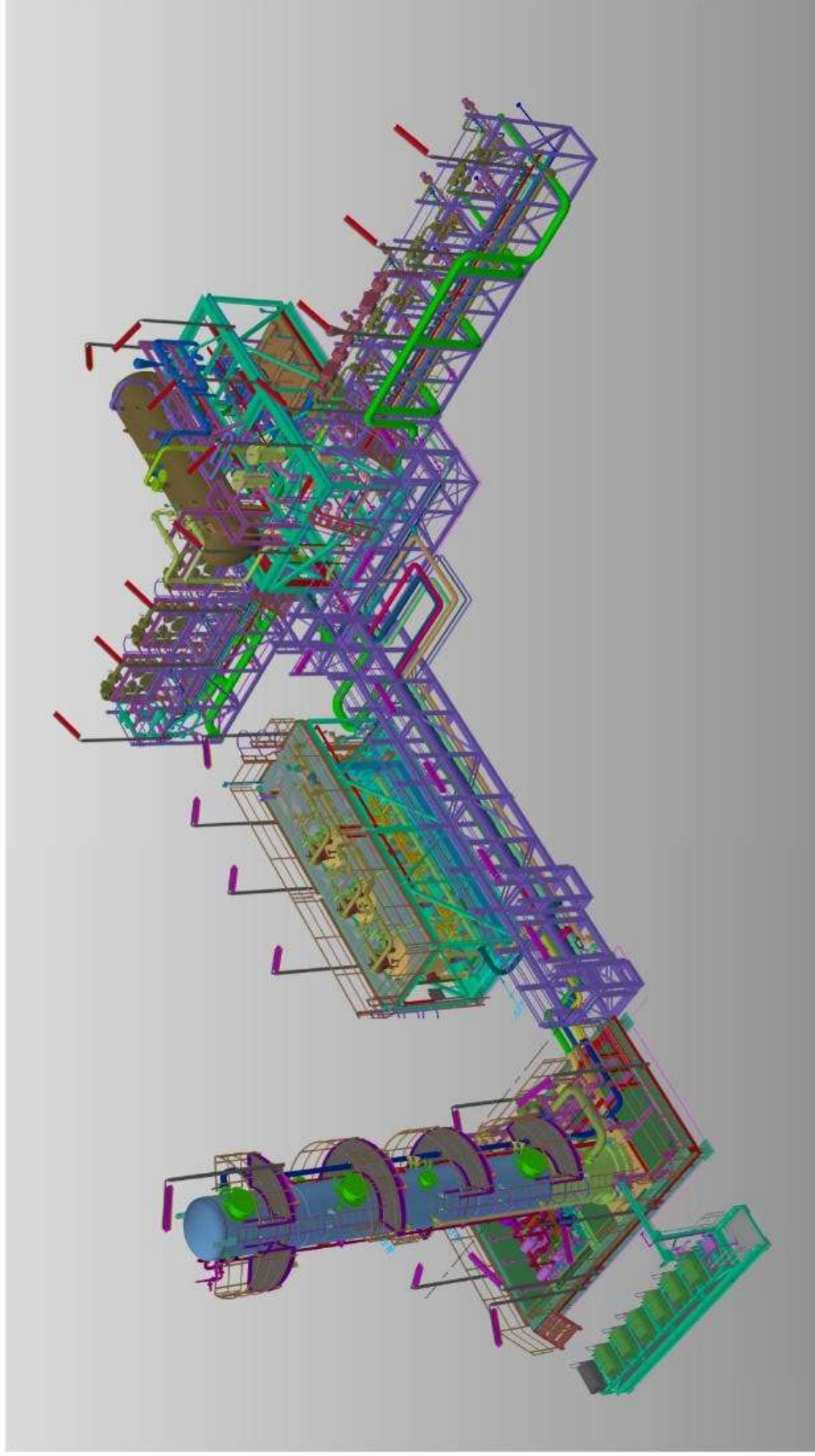


Core Applications & Technologies

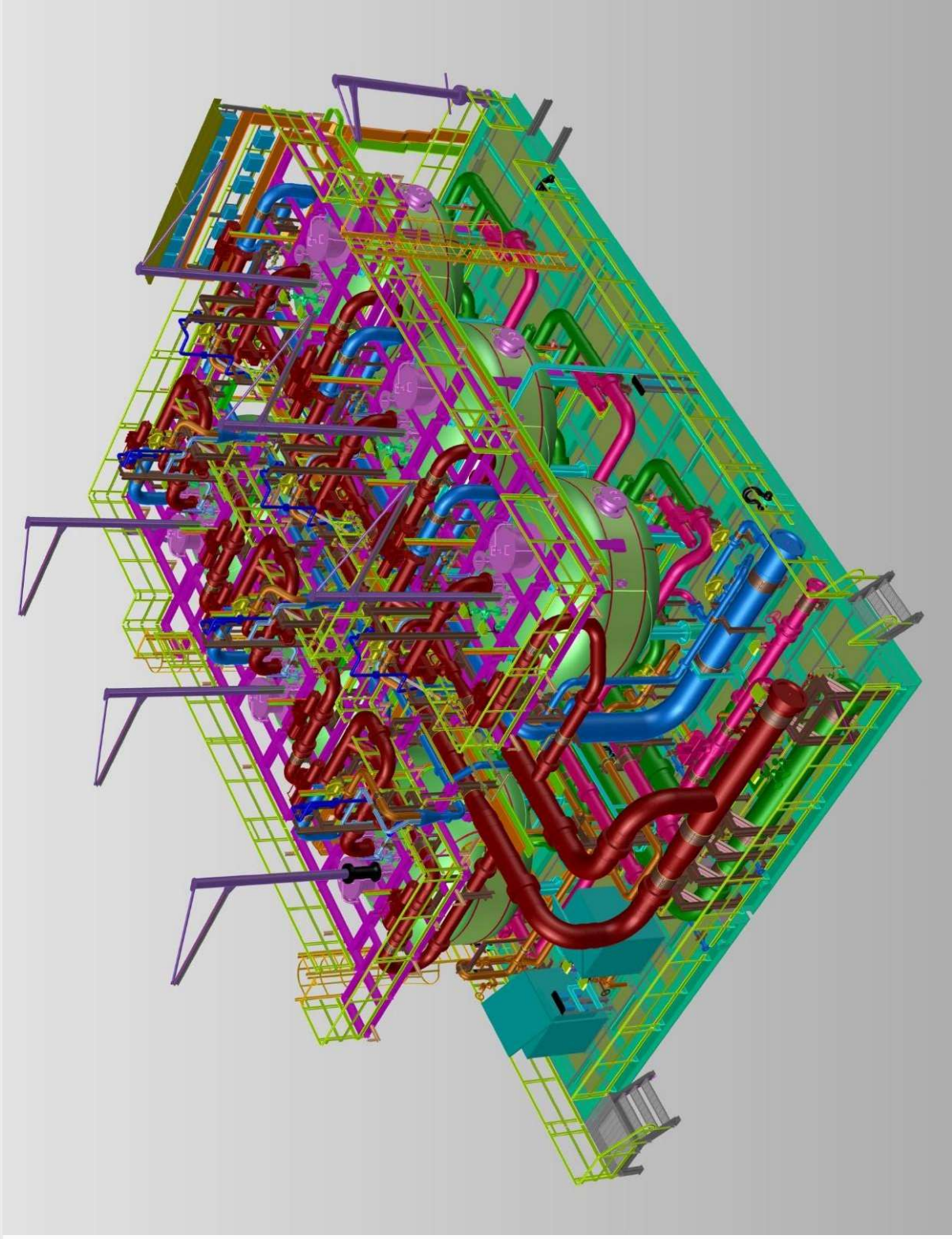


- **Oil & Gas Water Injection**
 - Vacuum Deaeration Packages
 - Gas Strip Deaeration Packages
 - Seawater Filter Packages
 - Ultrafiltration Packages
 - Chemical Injection Systems
 - Complete WI Packages; inc. Booster Pumps, UCP,s
- **Absorbers & Gas Scrubbers**
 - Individual Columns
 - Complete Packages
 - Modular Systems
- **Distillation**
 - Solvent Recovery Systems
 - Product Separation Systems
- **Process Water Treatment**
 - Vacuum/Gas strip/Steam Deaeration
 - Sour Water; onshore/offshore
 - VOC stripping from water
- **Crude Oil Stabilization**
 - Vessels; Complete Packages
- **Koch-Glitsch Partnership**
 - Carbon Capture Systems
 - Gas Sweetening Packages
 - Vacuum Separation
 - Solvent Recovery
 - Alcohol Purification

FPSO mounted Water Injection and Power Fluids Package



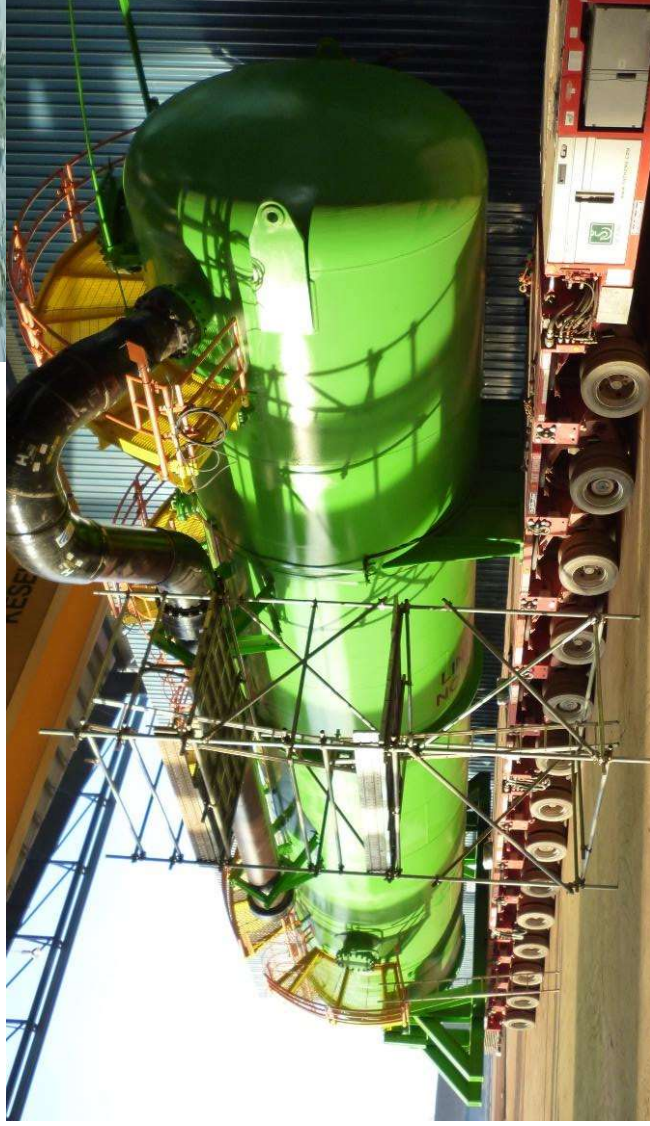
Dual Media Seawater Filtration Package



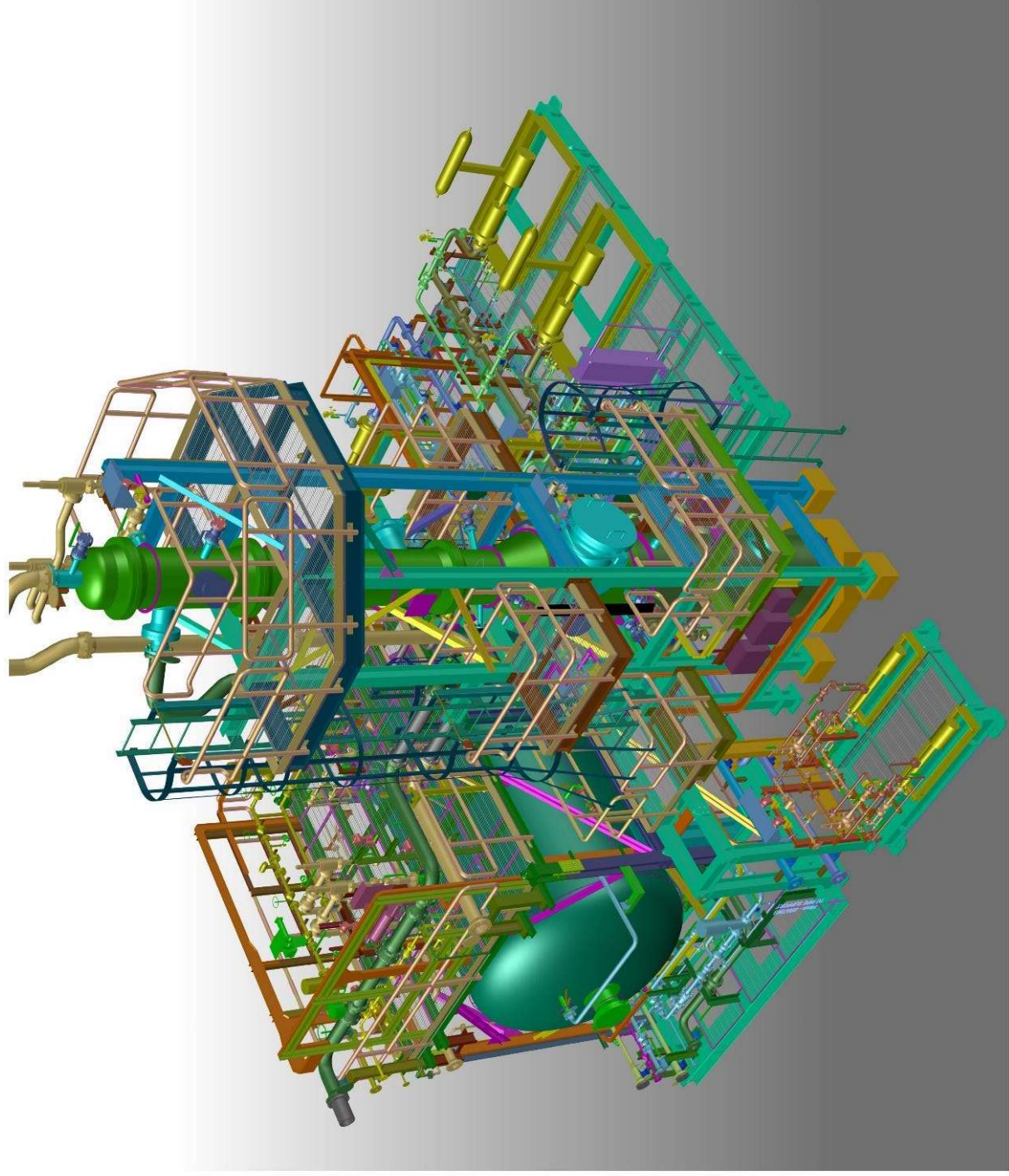
Large North Sea Vacuum Deaerator vessel



Offshore Oil and Gas Vessels and Packages



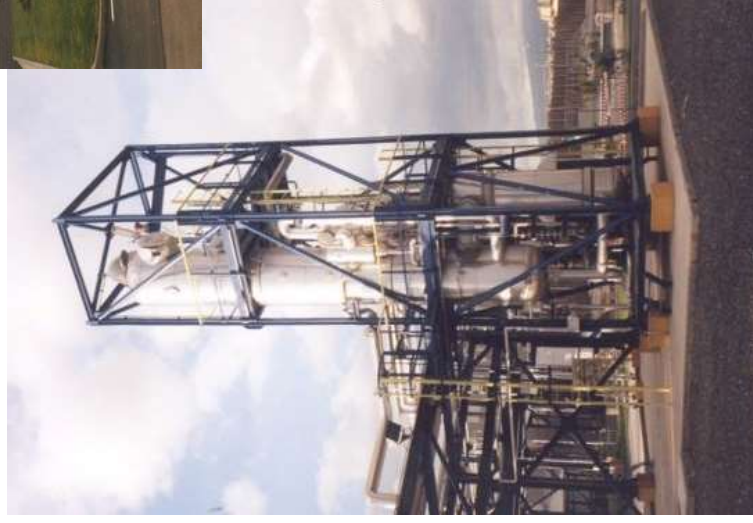
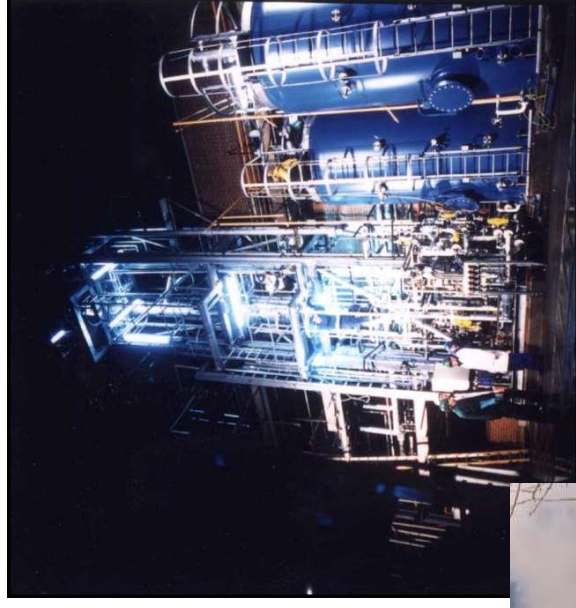
Benzene Stripping System – prefabricated skids

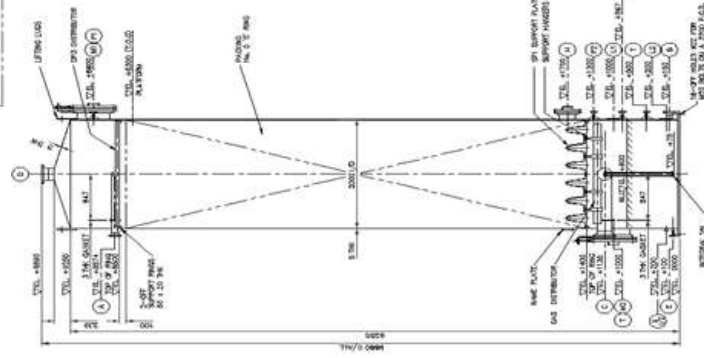
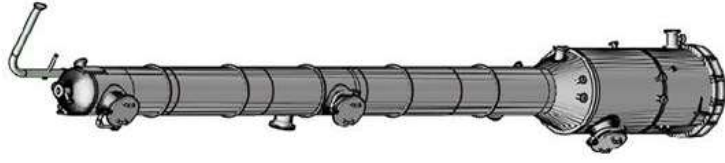


Large Onshore Vacuum Deaerator System

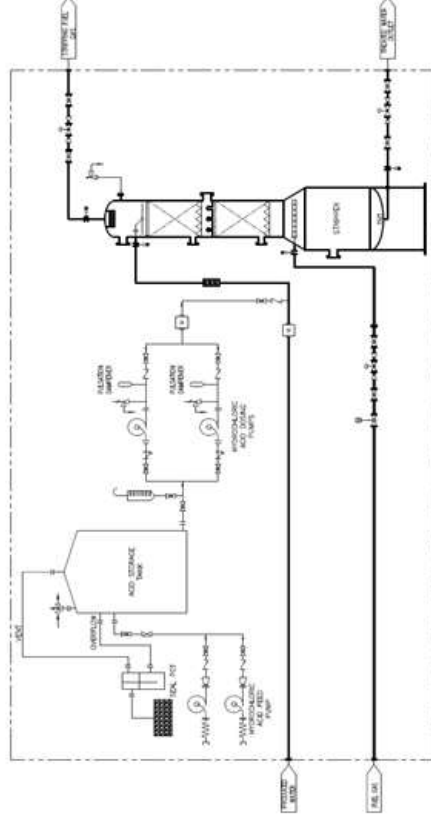


Distillation Plant





Typical NOx Scrubber



Typical Sour Water Stripper Flow Sheet

Liquid Liquid Extraction Column



Eta Process Plant – Koch-Glitsch Partnership:



The following projects were initiated as internal enquiries and delivered as complete packages in the last 2 years:

- Thailand: Ø800 Distillation Column: Carbon Steel
- UK: Ø600 Distillation Column: Stainless Steel
- Netherlands: Ø3000 Gas Cooler: Carbon Steel
- Rwanda: 4 x Ø4100 Wash Water Columns: SDSS
- Qatar: Offshore process tanks: CS & SS
- Singapore: DEMISTER® Vessel: SS

Questions?

