



FPSO Vessels

FPSO "Dagmar Maersk"

The Challenge

Since the early days of North Sea oil and gas production, Tyco Fire & Integrated Solutions have been working in close partnership with key members of the offshore oil and gas industry to install fire and safety control systems technology on both oil and gas platforms and Floating Production Storage Offloader (FPSO) vessels.

Today, our company's expertise and experience in the oil & gas/marine industry is unparalleled and we remain at the forefront in this highly specialised area. Our track record in the protection of FPSO ships for a wide range of offshore operators speaks for itself.

Tyco Fire & Integrated Solutions were awarded the contract to provide fire and safety systems for the FPSO vessel "Dagmar Maersk" by the vessel's operator, Conoco.

Tyco supplied and commissioned a combined Fire & Gas and Emergency Shut Down system utilising Triconex based equipment with stand-alone mimics and an addressable fire detection and alarm system that interfaced with a Fisher Rosemount DCS system for display, monitoring and override/inhibit operation.

Project Details

Safety Systems Supplied:

DCS / ESD / PSD / F&G

Control Product Used:

Provox / Triconex / Hima
DCS I/O: 1940 (with Fisher Rosemount)
ESD I/O: 500
F&G I/O: 763

Fire Protection Supplied:

Deluge: Supply of Topsides plus, Tank Top Deluge Skids, Hydrants, Monitors, Nozzles
Gas: 5 off CO2 systems (include Refurb of Existing Systems)
Foam: N/A
Safety: Fireman's equipment, Crash equipment, Liferrafts, plus general safety equipment

Other FPSO Vessel Projects include:

- Alba FSU
- Anadyr
- Anasuria
- Glas Dowlr
- Gryphon A
- OSI
- P36. P37. P38, and P40
- Schielhallion
- Shell Bonga
- Shell EA (Sea Eagle)
- Uisge Gorm

For further information contact your local Tyco Fire & Integrated Solutions office on: tfis.marketing.uk@tycoint.com or visit our website at www.tycomarine.com

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FPSO Vessels

FPSO "OSI"

The Challenge

The Liverpool Bay Development uses an offshore storage installation to remove the need for tankers to dock in the bay. Tyco Fire & Integrated Solutions supplied and have maintained the ESD and F&G System on board the OSI for the vessel's operator, BHP Billiton Petroleum Limited since its conception.

The F&G System is based on Tyco Fire & Integrated Solutions FE2003A-1 hardwired control modules whilst the ESD system is based on the HIMA Planar series solid state modules in a dual redundant configuration.

Our track record in the protection of Floating Production Storage Offloader (FPSO) vessels for a wide range of offshore operators is unparalleled and we remain at the forefront in this highly specialised area.

Project Details

Safety Systems Supplied:

F&G / ESD

Control Product Used:

Tyco FE2003A-1 Modules / Hima

DCS I/O: N/A

ESD I/O: 30

F&G I/O: 280

Fire Protection Supplied:

Deluge: Sprinkler systems and fire fighting equipment

Gas: N/A

Foam: Design and installation of Helideck foam system, hydrants and monitors

Other FPSO Vessel Projects include:

- Alba FSU
- Anadyr
- Anasuria
- Dagmar Maersk
- Glas Dowlr
- Gryphon A
- P36, P37, P38, and P40
- Schielhallion
- Shell Bonga
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FPSO Vessels

FPSO "Glas Dowlr"

The Challenge

The expertise and experience of Tyco Fire & Integrated Solutions within the oil & gas/marine industry is unparalleled and we remain at the forefront in this highly specialised area. Our track record in the protection of Floating Production Storage Offloader (FPSO) vessels for a wide range of offshore operators, speaks for itself.

Tyco Fire & Integrated Solutions were awarded the contract to provide fire and safety systems for the FPSO vessel "Glas Dowlr" by the vessel's operator, Amerada Hess.

Tyco supplied and commissioned a combined Fire & Gas and Emergency Shut Down system utilising Triconex based equipment with stand-alone mimics. In addition, a TUV approved HIPS system was also provided. The F&G and ESD system interfaced directly with a Fisher Rosemount DCS system for display, monitoring and override/inhibit operation.

Project Details

Safety Systems Supplied:

DCS / ESD / PSD / F&G

Control Product Used:

Provox / Triconex / Hima

DCS I/O: 18000 (with Fisher Rosemount)

ESD I/O: 550

F&G I/O: 600

Fire Protection Supplied:

Deluge: Valve sets and trim cabinets

Gas: CO2 Skid Units and safety support equipment

Foam: Design and installation of deck foam system, hydrants and monitors

Sprinkler: Design, supply and installation of Sprinkler system

Other FPSO Vessel Projects include:

- Alba FSU
- Anadyr
- Anasuria
- Dagmar Maersk
- Gryphon A
- OSI
- P36. P37. P38, and P40
- Schielhallion
- Shell Bonga
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Photo courtesy of Craig McKay

FPSO Vessels

FPSO "Uisge Gorm"

The Challenge

Tyco Fire & Integrated Solutions has a formidable track record in the protection of Floating Production Storage Offloader (FPSO) vessels for a wide range of offshore operators and we remain at the forefront in this highly specialised area.

Tyco Fire & Integrated Solutions supplied the ESD and F&G System on board the Uisge Gorm for the vessel's operator, Amerada Hess. We also installed an addressable fire detection and alarm system in the crew accommodation area.

The F&G System is based on Tyco Fire & Integrated Solutions FE2003A hardwired control modules whilst the ESD system is based on the HIMA Planar series solid state modules in a dual redundant configuration.

Project Details

Safety Systems Supplied:

F&G / ESD / PSD / DCS

Control Product Used:

Tyco FE2003A Modules / Hima / Provox
DCS I/O: 2500 (with Fisher Rosemount)
ESD I/O: 350
F&G I/O: 1100

Fire Protection Supplied:

Deluge: Full Design / supply of Topsides and Marine Deluge and Sprinkler Systems. Supply of Monitors, Hydrants & Nozzles.
Gas: CO2 Design/Supply
Foam: Design and installation of foam system and monitors

Other FPSO Vessel Projects include:

- Alba FSU
- Anadyr
- Anasuria
- Dagmar Maersk
- Glas Dowl
- Gryphon A
- OSI
- P36. P37. P38, and P40
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