



Oil & Gas

FPSO Pazflor

ACE 100 Public Address & General Alarm System

Tyco Fire & Integrated Solutions Business Unit: Spector Lumenex, Nottingham

Scope of Work

Project management, detailed design (electrical and software), system manufacture, testing and commissioning.

Scope of Supply

An ACE 100 PAGA system consisting of 1 x PAGA 'A' & 'B' Central Equipment System

Each system containing the following:

- 2 x ACE 100 Node and associated hubs
- 7 x AMPIID frames with each system fitted with 54 x 300 watt AMPIID 'On-line' amplifiers complete with 'Hot-Standby' providing a total audio output of 32,400 watts.
- CCU Telephone Interface & Digital Storage Playback Unit
- 7 x AMPIID Fan Assemblies

Associated Field Equipment:

- 4 x ACET 18/NK Intrinsically Safe Microphone Access Units
- 4 x ACET 01 Outdoor Intrinsically Safe Microphone Access Units for Access Units
- Fibre Optic Interface

Location of Project

Offshore Angola

Tyco Fire & Integrated Solutions Client

Transtel Engineering (Singapore)

End User

Total E&P Angola

tyco

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The Project

The equipment is designed for the broadcast of live speech and alarms initiated from the main access units or via the fire and gas panel. Audio is distributed via a matrix of 100 volt lines to loudspeakers positioned around the FPSO, which can provide a massive 32.4 KW of Audio Power.



Further Information

The Pazflor FPSO is a floating oil platform (FPSO stands for "Floating, Production, Storage and Offloading") and is a purpose-built FPSO with a topsides weight of 32,200 metric tons (35,494 tons).

Facilities are planned for a 20-year design life, and quarters are provided for 220 operation and maintenance personnel. First oil production on Pazflor is scheduled in 2011.

Pazflor includes the Perpetua, Acacia, Zinia, and Hortensia fields, which lie in the eastern portion of block 17 approximately 150 km (93 mi) offshore Angolan. The FPSO will be spread-moored in a depth of approximately 2,500 ft (762 m) atop 25 subsea oil wells, 2 gas injection wells and 22 water injection wells.

Spector Lumenex is the leading brand of communication systems designed and manufactured by Tyco Fire & Integrated Solutions. We are able to offer complete compliant solutions for wired communications that provide both operational and life safety systems for onshore and offshore installations and other challenging environments. Our range includes:

Public Address and Alarm (PA/GA) Systems:

- ACE 100, 4, 16 (explosion-proof & purged)
- Firephone 400
- VA400 for Public Address & Voice Alarm

Mentor Intercom Solutions:

- In-plant paging and alarm solutions
- Industrial intercom
- Platform intercom (Drillers intercom, Mustercom, Shout back)
- Fully integrated intercom solutions
- Office intercom

Field Equipment:

- Acoustic Hoods & Beacons
- Junction Boxes, Cabling & Installation Materials
- PABX & Telephone systems for Industrial or Hazardous Area Applications
- Xenon Warning Beacons
- Loudspeakers

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

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