

# Oil, Gas and Energy



## FPSO Pazflor



### Location of Project:

Offshore Angola

### Client:

Transtel Engineering (Singapore)

### End User:

Total E&P Angola

### 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 Systems.

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 'Online' 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 Interfaces

### 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 was scheduled for 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), 25 subsea oil wells, 2 gas injection wells and 22 water injection wells.

Spector House, Dabell Avenue,  
Blenheim Industrial Estate, Bulwell,  
Nottingham. NG6 8WA.  
United Kingdom

Tel: +44(0) 115 9 04 04 04  
Fax: +44(0) 155 9 77 03 70