



Oil & Gas

Drillship Applications

ACE 100 Public Address & General Alarm

Tyco Fire & Integrated Solutions Business Unit: Nottingham

Scope of Work

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

Scope of Supply

An ACE 100 PAGA systems consisting of:

- 1 x PAGA 'A' & 'B' central equipment system containing the following:
 - 1 x ACE 100 Node and associated hubs
 - AMPIID frames – each system fitted with 300 watt AMPIID 'On-line' amplifiers and 1 x 'Hot-standby' if required, providing audio coverage throughout the Drillship
 - CCU Telephone Interface & Digital Storage Playback Unit for interfacing to the Drillship PABX Telephone system
- Associated field equipment
 - ACET 18/NK Microphone Access Units
 - ACETO1 Outdoor Intrinsically Safe Microphone Access Units
 - Explosion-proof Telephones
 - LAK Explosion-proof Flashing Beacons
 - FSO 1 type 'Glow in the Dark' Acoustic Hoods
 - Explosion-proof Loudspeakers for indoor & outdoor applications

Location of Project

Worldwide

Tyco Fire & Integrated Solutions End Users

Total, Woodside, Odebrecht, Vantage, TMT, Deepwater Drilling, Global Santa Fe

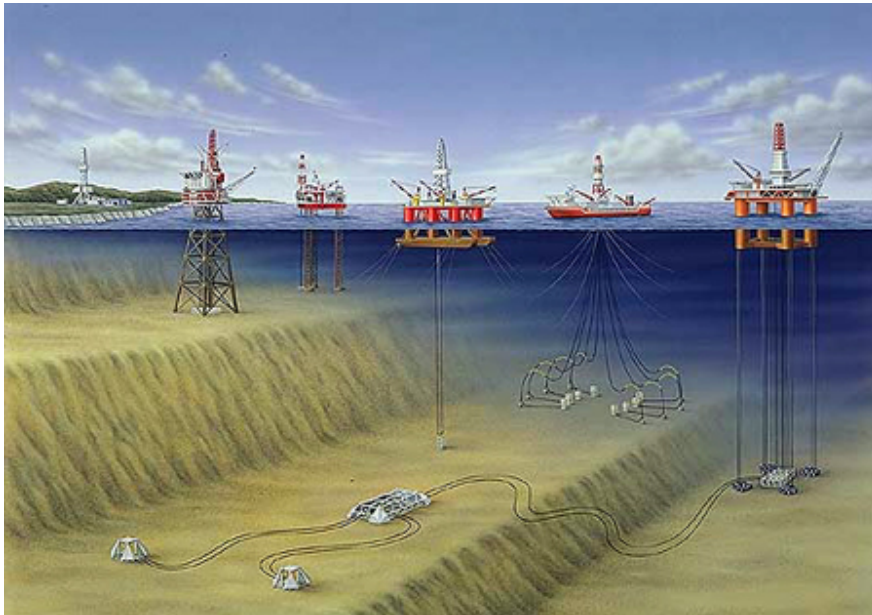
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The Project

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 several 100 volt lines to loudspeakers positioned around the FPSO and also provides background music facilities where required.



Further Information

Typically the Drillships are dynamically positioned self-propelled ultra deepwater Drillships with a drilling depth of approximately 30,000 feet and may operate in water up to a depth of 12,000 feet. The computer controlled dynamic positioning system allows the rig to be positioned over the drill site during operations. The rig hull includes the drilling rig, crew quarters, loading and unloading facilities, storage areas for bulk and liquid materials, helicopter deck and other operating equipment. Drillships are suitable for deepwater drilling in remote locations because of their mobility and large load-carrying capacity.

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@tycofire.com for a brochure or visit our website at www.tycofire.com

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