



## Oil & Gas

### North Cormorant Platform ACE 16

### 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 and system 'changeout'.

#### Scope of Supply

An ACE 16 Duplicated PAGA system consisting of:

1x PAGA central equipment twin bay containing:

- 1x ACE 16 nodes and associated hubs
- 2x AMPIID frame fitted with 13 x 300 watt and 1 x hot standby AMPIID amplifier
- 2x AMPIID fan assembly
- Battery Back-up

Associated Field Equipment

- 2 x ACET/16/18/NK Remote Microphone Access Unit which were installed into the Radio Room area

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### Location of Project

Located in the North Sea approximately 100 miles North East of Lerwick, Shetland.

### Tyco Fire & Integrated Solutions Client

Wood Group

### End User

Taqa Bratani

### The Project

The equipment is designed for the broadcast of live speech and alarms initiated from the Main access units via the fire and gas panel. Audio is distributed via an industrial 100 volt line to loudspeakers positioned around the Platform.

### What was unique about the project?

Tyco Fire & Integrated Solutions provided a seamless system changeover from the original existing 'Millbank' System, which was deemed to be obsolete and increasingly prone to breakdown, to the new duplicated ACE 16 PAGA system.



### Further Information

Originally discovered in September 1972, it was operated by Shell and licensed to Shell/Esso. On 7 July 2008, it was purchased by Abu Dhabi National Energy Company (TAQA). Peak production was 24,000 barrels per day in 1979. The platform is also the starting point for the Brent System pipeline, a major communications centre and the location of Brent Log – air traffic control for Northern North Sea helicopter traffic.

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](mailto:tfis.marketing@tycoint.com) for a brochure or visit our website at [www.tycofis.co.uk](http://www.tycofis.co.uk)

Alpens  
01224 293500

Bridge of Don  
01224 702711

Nottingham  
01159 551199

Manchester  
01614 554400

Dyce  
01224 255900

Great Yarmouth  
01493 440500

Norwich  
01603 201201

Slough  
01753 702350

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