



## Oil & Gas

### Saudi Kayan

ACE 100 Public Address & General Alarm & SL700 Mentor Digital Paging & Intercom System complete with Hotline Telephones

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

ACE 100 PAGA & SL700 Mentor Digital Intercom System , including Hotline Telephones consisting of: Spector Lumenex 'Hotline' Ring-down Shelf Unit

PAGA 'A' & 'B' Central Equipment System complete with integral SL700 Digital Mentor Intercom.

Each PAGA system typically consists of the following:

- ACE 100 node and associated hubs
- Fibre Optic Interface
- AMPIID frames fitted with 300 watt AMPIID amplifiers
- SL700 Digital Mentor Unit
- Message Storage Units

ACE 4 Units are also provided for Remote Amplification in several areas of the Plant.

#### Associated Field Equipment

- ACET 18/NK Microphone Access Units
- Ex Mentor Digital Intercom Stations
- FS01 Acoustic Hoods
- Explosion-proof loudspeakers are provided for both indoor and outdoor locations
- 'LAK' Explosion-proof Beacons
- Field Equipment

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**Location of Project**  
Saudi Arabia

**Tyco Fire & Integrated Solutions Clients**  
Several including Fluor, Transtel, Daelim, Technicas Reunidas, CTCI

**Tyco Fire & Integrated Solutions End User**  
Saudi Kayan Petrochemical Company

**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 Saudi Kayan complex. Paging and Intercom facilities are also provided throughout the Plant areas.

**Further Information**

The Saudi Kayan industrial complex, located at Jubail Industrial City, will be one of the latest Greenfield petrochemical projects to be started in the Middle East. It will consist of the nine plants linked together and will have an annual production capacity exceeding 4 million metric tons of petrochemical and chemical products and is a joint venture between Saudi Basic Industries Corp. and Al-Kayan. This project will utilise 17 different technologies and will produce both speciality amine derivatives and polycarbonates for the first time in Saudi Arabia.



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)

Altens  
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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