

# Cruise Liners

## P & O Oriana



### The Challenge

The Oriana offers a lovely blend of authentic and modern experiences with in the most elegant of surroundings. From restaurants to bistro's and grills through to the theatre, casino, cinema and bars, the Oriana provides classic cruising at its best.

With so many passenger facilities available, the need to protect the passengers, crew, the ships interior environment and its exterior superstructure from the threat of fire is of paramount importance.

As a preferred supplier to P & O Cruises, Tyco Fire & Integrated Solutions were commissioned to protect the Crown Princess with a Minerva MX 2000 digital analogue fire detection and alarm system. Designed and built to BSEN ISO9001/2

and approved by all the major marine authorities, the MX system is ideal for digital addressable detection for new, refurbished and re-fitted detection systems. The decision to sound the alarm is made at the controller allowing adjustments and compensations to be made for changes on environmental conditions. In short, providing maximum security whilst minimising the risk of false alarms.

These systems have been the result of intensive and proactive research and development acquired from working in partnership with the marine industry and marine approval authorities for a period in excess of 60 years.

### Other Fire & Safety systems provided include:

- Automatic fire sprinkler systems
- Fire detection and Alarm systems
- Balcony fire suppression systems
- Specialist foam, watermist, inert and chemical gaseous fire suppression systems and gas detection
- Voice Evacuation and Public Address systems
- Low level lighting evacuation systems
- Access control and Intruder alarm systems
- Door Holdback systems
- Piracy Control Systems

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