

## LEGOLAND® case study

### Protecting your world

#### Project Overview

LEGOLAND® Windsor was built on the site of the previous Windsor Safari Park and opened in 1996. It attracts approximately 1.8 million visitors annually to the many themed areas of the park.

Chubb has been servicing the extinguishers at the Berkshire-based attraction since 2006. It was also the natural choice to upgrade its park-wide fire alarm system, as well as commissioning a specific fire detection and suppression system for a new feature called 'Laser Raiders', and a radio networked fire alarm and high sensitivity smoke detection (HSSD) system at the new 'Atlantis Submarine Voyage' ride.

#### Customer Needs

- Reliable smoke detection and suppression technology to protect visitors, staff, buildings and assets.
- Clear system overview with control managed at the site's security office.
- A trusted partner with reliable and responsive team of engineers.

#### Solution & Benefits

The new park-wide fire alarm system uses radio waves to relay fire and fault indications to the control panel installed at the onsite security control room at LEGOLAND's gatehouse, immediately reporting any incidents to park security officers.

The integrated fire detection and suppression system used at the indoor 'Laser Raiders' ride is centred on reliable technology to detect a fire should it break out, and the suppression system provides safe fire protection for occupied spaces and critical assets. On board the desert off-roader, passengers will discover the secrets of the ancient temple in the indoor ride Laser Raiders.

At the new Atlantis Submarine Voyage ride, a radio networked fire alarm and high sensitivity smoke detection (HSSD) system



was installed to protect visitors as they travel around a one million-litre ocean tank within submarines that hold 14 people. The tank houses more than 50 species of sharks, rays and tropical fish and its filtration system is also linked to the fire protection system so an alert can be sent to the fire alarm transmitter, providing an early alert of any potential problems with the pump that might endanger the fish.



#### Summary

A radio-networked system offers considerable installation and maintenance benefits. Wireless technology significantly reduces the capital costs and disruption of installing a fire detection system, whilst not compromise safety of visitors and staff or the protection of critical assets – LEGOLAND's elaborate attractions.

For greater peace of mind, an interface has been included that also signals the security gatehouse via either a landline or mobile phone network to ensure the message gets through should an incident occur.

The new alarm systems have ensured the safe working of the new rides at LEGOLAND, with Chubb also providing service and maintenance for both the fire extinguishers and fire alarm systems.



For more information please call

**0800 32 1666**

Chubb Fire & Security