



Press Release

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Ultimate Fire Protection: **Bosch Provides Security Technology for Munich Olympiaturm**

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- Four fire panels make up the core of the system
- More than 200 automatic fire detectors for optical, thermal and chemical characteristics
- 26 aspirating smoke detectors with almost two kilometres of aspiration pipes

Bosch Security Systems has equipped the Munich Olympiaturm with modern fire detection technology. At the core of the new monitoring system there is a network of four Fire Panels. Over 200 automatic detectors from the 420 series detect optical, thermal and chemical characteristics, providing the ultimate in fire protection. The pipe system for the maintenance elevator used by the fire department in the event of an emergency has been fitted with 26 Bosch aspirating smoke detectors (ASDs). The majority of the ASDs has dual-detector modules and is also used to monitor the essential riser networks in the tower. To make this function possible, Bosch experts had to lay almost two kilometers of smoke aspiration pipes.

The base of the tower is reliably monitored by linear smoke detectors, which are designed to identify any signs of smoke development, while the door control centers ensure that the fire doors close properly. If one of the fire panels receives a detector signal, it triggers several measures: the fire department is alerted, emergency control of all elevators is initiated, and the overpressure flushing ventilation system clears smoke from the stairwell so that the path is clear for the emergency services and visitors. Additionally, the pipe networks are protected by an extinguishing system that sprays out water at high pressure. If an ASD system reports an alarm signal from one of the extinguishing areas, the extinguishing system sprays a micro-fine mist in the area that triggered the alarm as well as the area above it. This mist binds smoke and combustion gases and lowers the temperature. If smoke is detected on the operation floors, where highly sensitive technical equipment is located, or in the elevator machine room, a separate gas extinguishing system is activated.



Built between 1965 and 1967, the Olympiaturm is Germany's fourth highest tower, and is the latest in a string of Munich landmarks to be protected by Bosch security technology. Due to its high security requirements and exceptional architectural features, equipping the tower with new fire detection technology was a particularly challenging venture, but one that Bosch achieved without ever needing to interrupt the day-to-day operation of this tourist magnet.

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Page 2 of 2

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The Bosch Group is a leading global supplier of technology and services. According to provisional figures, some 282,000 associates generated sales of roughly 45 billion euros in the areas of automotive and industrial technology, consumer goods, and building technology in fiscal 2008. The Bosch Group comprises Robert Bosch GmbH and its more than 300 subsidiaries and regional companies in over 60 countries. If its sales and service partners are included, then Bosch is represented in roughly 150 countries. This worldwide development, manufacturing, and sales network is the foundation for further growth. Each year, Bosch spends more than three billion euros for research and development, and applies for over 3,000 patents worldwide. With all its products and services, Bosch enhances the quality of life by providing solutions which are both innovative and beneficial.

The company was set up in Stuttgart in 1886 by Robert Bosch (1861-1942) as "Workshop for Precision Mechanics and Electrical Engineering." The special ownership structure of Robert Bosch GmbH guarantees the entrepreneurial freedom of the Bosch Group, making it possible for the company to plan over the long term and to undertake significant up-front investments in the safeguarding of its future. Ninety-two percent of the share capital of Robert Bosch GmbH is held by Robert Bosch Stiftung GmbH, a charitable foundation. The majority of voting rights are held by Robert Bosch Industrietreuhand KG, an industrial trust. The entrepreneurial ownership functions are carried out by the trust. The remaining shares are held by the Bosch family and by Robert Bosch GmbH.

Additional information can be accessed at www.bosch.com and www.boschsecurity.com/export