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Mercedes Benz Türk A.S. upgrades its fire safety system with Cerberus PRO

The comprehensive portfolio of smart fire safety products covers all customer requirements.

Mercedes Benz Türk A.S., a manufacturer of medium- and heavy-duty trucks, needed a reliable fire protection system for the different environmental conditions on its premises.

The project

Mercedes Benz Türk A.S. is one of the largest industrial companies in Turkey. With a production capacity of more than 14,000 trucks per year, Mercedes Benz Türk A.S. holds a 33.4 percent market share of the domestic truck market. Since 2001, Mercedes Benz Türk A.S. exports trucks into Central and Eastern European countries. The size of the company site in Turkey is about 560,000 m² with buildings covering 80,000 m². To increase fire safety on its premises, Mercedes Benz Türk A.S. wanted a uniform fire safety concept.

The challenge

The manufacturing site of Mercedes Benz Türk A.S. consists of 13 buildings, each built by a different company. As a result, each building had its own fire detection system installed by a different contractor. Some systems were addressable and others were collective. The customer wanted to harmonize its fire protection, as it became too difficult and expensive to maintain the different fire protection systems. Moreover, the conventional detectors were often triggering a false alarm because of deceptive phenomena. With Cerberus™ PRO, the Siemens Solution Partner NCS Fire Alarm and Security Systems Ltd. Sti. was able to offer Mercedes Benz Türk A.S. a highly reliable fire protection system.



The solution

All buildings on the premises of Mercedes Benz Türk A.S. were equipped with the suitable Cerberus PRO detectors and control panels. The solution includes 13 FC724 fire control panels, more than 1,500 fire detectors, special detectors and manual call points as well as special devices for explosion hazard areas. In addition, the subsystems were integrated into a danger management system from Siemens for centralized operation and monitoring.

The Cerberus PRO detector portfolio offers detectors for all building structures and environmental conditions. Due to selectable parameter sets, the detectors can be set to exactly match the prevailing requirements. As a result, the detectors are highly reliable, so costly downtimes caused by false alarms are now a thing of the past. Another big plus: The fire protection system can be easily expanded at any time. This is a very important aspect because Mercedes Benz Türk A.S. is growing fast.

The benefit

Mercedes Benz Türk A.S. and NCS Fire Alarm and Security Systems Ltd. Sti. were both very happy with the project's outcome. The customer received a highly reliable fire protection system that covers all environmental conditions on the premises – thus eliminating costly and time-consuming downtimes due to false alarms.

The Siemens Solution Partner was able to offer Mercedes Benz Türk A.S. a smart fire safety concept including perfectly matched devices from a single source. In addition, he benefited from easy planning and commissioning as well as helpful tools like the line tester for smooth testing or the Cerberus-Engineering-Tool for auto-configuration. That's why, in the end, he was even able to hand over the system a whole month ahead of schedule.

Highlights

- Cerberus PRO – a comprehensive portfolio of addressable fire detectors
- Reliable protection – ensuring business continuity
- Easy integration – subsystems can be integrated into danger management system
- Smart technology – fire protection system can be easily expanded at any time