

On the road in safe hands: Logistics service provider DACHSER relies on Tyco Integrated Fire & Security safety and security solutions to aid its expansion

DACHSER
Intelligent Logistics



The Memmingen premises spans 150,000 square metres and is conveniently situated at the interchange of two major highways, the A7 and A96.

The state-of-the-art logistics centre features six storage buildings and fully meets customers' stringent standards in regards to safety, environment, hygiene, and temperature management.

Improved protection for double the capacity

These standards are particularly challenging in the sensitive food environment, where DACHSER has recently doubled its capacity and further strengthened and deepened its successful collaboration with Tyco Integrated Fire & Security. The company invested 25 million euros in the extension of its premises, which was completed in only ten months. The new warehouse with a high-bay storage has a total of 43,000 pallet stations.

This 20,000 square metre building is divided into eight hall bays, which can be set at different temperatures. Every day, customers trust the staff at Memmingen to handle 2,500 tonnes of consumer and industrial goods, and 1,600 tonnes of foodstuffs. A malfunction in the storage environmental conditions or a fire would have a devastating impact on the flow of goods, profitability and, naturally, on the confidence of DACHSER's customers.

Anyone who spots the yellow trucks rolling along the motorways sporting the DACHSER logo is probably unaware that it represents just one small link in a complex chain of logistics services.

The rapidly growing contract logistics sector includes a lot more than just warehousing and transport services. It can also cover a company's entire procurement and distribution logistics. Depending on the customer's needs alongside transport and warehousing sit additional logistics services like packing and the construction of displays. Tyco has been safeguarding the DACHSER logistics centre Allgäu in Memmingen from fire and other failures for more than 17 years. From this location, DACHSER provides

regional businesses with a broad spectrum of logistics services, and the connection to an efficient, international transport network that includes 156 of its own locations across Europe.

Improving the customer's logistics balance sheet

DACHSER GmbH & Co. KG aims to improve its customers' value chain. "Reliability, safety and transparency are the core components of our service," says the company, which was founded in 1930 and has grown to 21,650 employees working at 347 locations around the world today. In 2012, the company generated revenues of €4.41 billion.

Fire, fault alarm and safety engineering from a single source

DACHSER did not want to burden its own staff with the responsibility of handling system malfunctions, nor did it want to deal with several providers, instead the company wanted a complete solution from a single, reliable source. Tyco won the contract thanks to its long-standing relationship with the company and the excellent work it had previously carried out at the Memmingen site.

During the remodelling and extension the site's fault alarm technology was upgraded. The central alarm control unit was replaced with a more efficient and up to date model, the ZETADDRESS® 2000. The existing ZAL41 was connected to the new main office.

In the new buildings, additional ZAL41s were installed and connected to the new fault alarm system. These units serve primarily to protect the perimeter, premises, and safeguard individual objects in areas such as warehouses, industrial buildings and industrial sites. The installation at DACHSER illustrates how larger building installations can be protected in a particularly reliable way through several networked ZETADDRESS® systems. Extensions are possible at any time without high initial investment costs, while individual security areas can be adapted and modified.

The fire detection technology was also expanded and optimised during the extension of the DACHSER facilities. Four new ZETTLER® EXPERT central units were installed. The BMCI fire alarm system was replaced by two new ZETTLER® EXPERT central units. This fire alarm system is frequently deployed to protect mid-sized to large properties in the industrial sector.

ZETTLER® EXPERT operates with a central intelligence: measurement data from the connected detectors is analysed and processed with the aid of an evaluation algorithm. False alarms are virtually excluded thanks to the ability to identify and successfully filter out disturbance variables. Multi-criteria detectors, that identify and measure more than one fire parameter, and carbon monoxide detectors, which are particularly suitable for protecting personnel, can be connected to the fire alarm system. In order to meet complex risk management processes, it is also possible to control external devices and systems, and record reports which can be forwarded to a central office.

At the DACHSER site the existing STI detectors were connected to the new technology with ZX XLM STI cards and all six EXPERT central units were networked via LWL Gateways. During the remodelling, a fire alarm system was installed with a direct connection to the fire brigade in Memmingen.

ZETTLER® EXPERT fulfils the DIN/ EN54 and VdS regulations. Depending on specific requirements, the fire alarm system is available in various casings. Thanks to a large display and clear-text menu navigation, it is also easy to use.

Another benefit for DACHSER is that the ZETTLER® EXPERT is deployable worldwide: the modular structure enables it to be adjusted quickly to support different functions and language versions.

Networked security saves costs

Because the same technology was deployed in all buildings there were no additional costs typically associated with the interconnection of disparate systems. This also meant that the security



team had just one contact person, and did not have to deal with several companies. The fire alarm system features early fire detection and safeguards DACHSER against a possible loss of production due to fire, which in turn ensures that the logistics company receives premium rebates from its insurer.

Keep it up!

DACHSER Memmingen and Tyco have been working together for 17 years, during which time maintenance and alteration requests have always been provided as required. So it comes as no surprise that DACHSER felt that it was in good hands and safe on the road with Tyco at this time of growth. The increased global nature of both companies means that they can also effortlessly cross borders together.

Reiner Henkel, workshop manager in the Memmingen branch, Allgäu logistics centre, summed up the co-operation of the two companies: "Why change the horse? We've fared well with the security solutions from Tyco so far, and plan on doing so in the future, too".

For further information please contact: ce.communications@tycoint.com or visit our website: www.tyco.eu