

Case Study

Rittal GmbH



Funa GmbH: Playing with light on the high seas



The build for the Norwegian Getaway lasted just 15 months. The cruise ship is equipped with an ingenious lighting system that sets the perfect scene for the gastronomic delights and luxury facilities enjoyed by its up to 4,000 passengers and 1,600 crew. The widespread use of LED technology opens up virtually limitless possibilities for energysaving lighting effects.

“When it comes to diversity and modularity, Rittal has a genuine USP that sets it apart from the rest of the market.”

Andreas Köhler, Managing Director of FUNA GmbH Nachrichtentechnik

The LED lighting technology was installed by FUNA GmbH Nachrichtentechnik and is used in all the public areas of the luxury liner. The countless lighting elements spread across the entire ship, all the way to the engine room, can be controlled centrally via dimmer controls on the bridge.

Flexible and expandable

“By combining the SE 8 freestanding enclosure system from Rittal with our installation solutions, we were able to incorporate a maximum of components and ensure excellent flexibility at the same time,” explains Köhler. The varied configuration options of the SE 8 come into their own in this kind of application by giving users a great deal of flexibility for configuring enclosures with standardised system technology. The comprehensive portfolio of accessories for the enclosure

Case Study

Rittal GmbH

means that users can implement a really wide range of configuration variants quickly and safely.

Benefits of the SE 8

Unlike bayed enclosures with a frame structure and removable side panels, the body of the SE 8 freestanding enclosure system from Rittal – which comprises two side panels and a roof – is made from a single piece of sheet steel. This makes the enclosures easier to handle, as there is no need to install side panels. The rear panel, meanwhile, is screwfastened to provide easy access to the enclosure. Cable entry solutions like those used on the TS 8 baying system can also be used on the integrated base frame. The design options are also interesting. For example, the rear panel and gland plates on the SE 8 freestanding enclosure provide automatic potential equalisation for the enclosure body.

The wide range of standard products promises continuity

Some 80 to 90 percent of enclosure technology requirements can be met using standard components from Rittal's system range. This is a crucial advantage, because the dimmer enclosures at FUNA in Emden are, as far as possible, installed fully wired and ready for use. However, if changes have to be made shortly before delivery or later, on the ship itself, the plant engineer can use Rittal accessory components that they already hold in stock.

Rittal

Rittal, headquartered in Herborn, Germany, is a leading global provider of solutions for industrial enclosures, power distribution, climate control and IT infrastructure, as well as software and services. Systems made by Rittal are deployed across a variety of industrial and IT applications, including vertical sectors such as the transport industry, power generation, mechanical and plant engineering, IT and telecommunications. Rittal is active worldwide with 10,000 employees and 58 subsidiaries. Its broad product range includes infrastructure solutions for modular and energy-efficient data centres with innovative concepts for the security of physical data and systems. Leading software providers EPLAN and Cideon complement the value chain, providing interdisciplinary engineering solutions, while Rittal Automation Systems offer automation systems for switchgear construction. Founded in Herborn in 1961 and still run by its owner, Rittal is the largest company in the Friedhelm Loh Group. The Friedhelm Loh Group operates worldwide with 18 production sites and 78 international subsidiaries. The entire group employs more than 11,500 people and generated revenues of around €2.2 billion in 2015. In 2016, it was named one of Germany's leading employers by the Top Employers Institute, for the eighth year running. Within the scope of a Germany-wide survey, Focus Money magazine identified the Friedhelm Loh Group as one of the nation's best providers of vocational training.