

Case Study

Rittal GmbH



Littau GmbH: Upgraded to a research vessel



Originally built in 1981, the fisheries protection vessel Seefalke was transformed into one of the world's most stateoftheart research ships in the space of just two years. Littau, a switchgear engineering company that specialises in industrial and shipbuilding applications, was responsible for fitting out the heart of the ship – its new main switchboard – and opted once again for enclosure technology from Rittal.

“We have been using solutions from Rittal for quite some time due to the high quality of its products. The difference in quality standard is most apparent on the upper deck, where Rittal enclosures stand alongside competitors’ products and are exposed to harsh weather conditions.”

Kai Töllner, Sales Manager at Littau

Secure switching system

At 7.20 metres in length, the main switchboard controls the power supply throughout the entire ship from one place. Two diesel generators feed power to busbars in the main switchboard, where it is then distributed to the various consumers in the ship. The system features a total of 12 sections that are each assigned to certain consumers. Every section incorporates Rittal TS 8 enclosures, which come with GL (Germanischer Lloyd) certification as standard, and MaxiPLS power distribution technology from Rittal.

Case Study

Rittal GmbH

Flexible through and through

The core of the TS 8 is the 16x folded vertical section of the frame, which delivers excellent stability and also offers a second mounting level and thus diverse configuration options thanks to a comprehensive range of system accessories. The excellent flexibility of the enclosure solution also extends to the Ri4Power power distribution system from Rittal. Indeed, the connectionfriendly system offers numerous advantages for power infeed, where a multitude of cables converge.

Packed with Rittal

In addition to the large enclosures, the entire ship – from the engine room via the decks to the bridge – is packed with compact and small enclosures. For example, there are several compact enclosures in the engine room that house the control technology for the ventilation, fire dampers, rudder hydraulics and waste incinerator. More than 80 percent of the enclosures on board – almost 100 – are from Rittal.

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.