



YANMAR

RWE POWER AG, GERMANY - GARZWEILER **REDUNDANT REFRIGERATION FOR A CONTROL CENTRE**



INDUSTRY | MINING



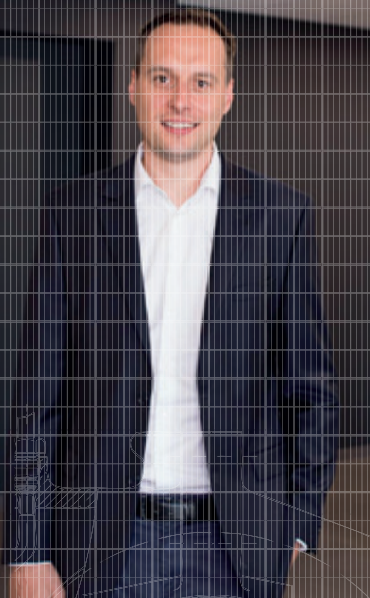
FIELD SERVICE

CHALLENGE

PREPARED FOR THE WORST CASE SCENARIO

Redundancy is an essential part of any security concept. But true to the motto „double is better“, it does not always have to be achieved at great expense. Sometimes even the smallest measures can result in a great gain in safety, as a project in the Rhenish lignite mining area proves. We have a proven partnership with RWE Power. When the company

was looking for a way to additionally secure the refrigeration supply for the operational monitoring of the large opencast mines Hambach and Garzweiler, the experts from YANMAR Energy System Europe realised an amazingly simple solution.



„Achieving the desired result with simple means and good ideas - that is engineering art as we appreciate it!“

**Bastian Schmitz, YANMAR Energy System Europe,
Head of System Engineering**





SOLUTION

A MINIMAL INTERVENTION ...

Together with the customer, our experts analysed the energy system on site. They found that the existing refrigeration manifold in the technical centre still had unused connections. Therefore, they installed a stainless steel pipe system without further ado, which leads to a central location outside the building. This extension can be used for an emergency feed from a mobile refrigeration system.

RESULT

... WITH GREAT EFFECT

RWE Power's large opencast mines, together with the extensive infrastructure, form an impressive system in which a good 100 million tonnes of material are moved every year. All the more serious - and costly - could be the consequences of a heat-related failure of the operational monitoring system. Here, the company is now on the safe side thanks to the new emergency refrigeration supply.

OVERVIEW

Project:	RWE POWER AG, Garzweiler Emergency feed-in for substitute measures in the event of cooling generation failure
Products:	Viega Temponox pipe
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