

Powerful cargo: Two enormous Siemens GEAFOL transformers are on their way to Malaysia

Innovative transformers from Siemens also play an important role in Asia: OSRAM, a globally operating manufacturer of LEDs, ordered two GEAFOL transformers each with a capacity of 25 MVA for its new production facility in Kulim, Malaysia. The transformers are expected to ensure a redundant power supply to the company's factory grid.

The two GEAFOL cast-resin transformers were loaded onto special vehicles at the Siemens plant in Kirchheim unter Teck on December 12, 2016. At around 10 p.m., they set out on

their journey to the port of Plochingen on the Neckar river. From there, they traveled on to Malaysia by ship. It will take the two transformers around eight weeks to reach their destination, where the customer will receive them at the port of Klang.

The capacity of the GEAFOL cast-resin transformers, which transform the grid voltage from 33 kV to the lower voltage of 11.5 kV, can be increased by 20 percent to 30 MVA using radial-flow fans. A tap changer on the high-voltage side allows the voltage to be regulated under load. The trans-

formers are completely up to the challenge of Malaysia's hot and humid climate, as they were specifically designed to operate efficiently and reliably for decades under extreme conditions.

OSRAM is building a new chip factory in Kulim, Malaysia, to manufacture six-inch LEDs. "We are proud that our exceptional transformers will be contributing to the reliable operation of the world's largest and most cutting-edge six-inch LED chip manufacturing facility," says Stefan Blum, manager of the Siemens factory in Kirchheim unter Teck. "There are only a few manufacturers who can handle such large design ratings for cast-resin transformers."



Dimensions and weight

Length:	5.20 m
Width:	2.91 m
Height:	4.60 m
Weight:	51 t

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