

Line feeder transformers delivered to Danish rail transport company

Siemens, the world's most innovative supplier of power transformers, recently delivered line feeder transformers to the Danish company Banedanmark. Siemens supplied four transformer units (165-kV/30-MVA and 165-kV/10-MVA) to create a safe and reliable railway grid. The line feeder transformers are single-phase transformers specifically designed for the use in railway and metro systems. With the Siemens line feeders, Banedanmark will update and stabilize its railway electricity grid.

The end customer is the largest Danish railway owner, which owns more than 97 percent of the nation's railway tracks. Banedanmark is at present overhauling its railway tracks. The primary reason for electrifying the railway is to modernize it and to become more independent of fossil fuels.

The renowned customer decided on a Siemens solution because it meets their expectations for safety, reliability, and technical requirements: low no-load losses, low noise, and low temperature rise. The transformers feature robust short-circuit protection, and their operating characteristics can resolve the problems of severe overloading and frequent short circuits that occur in electrified railways in a very short time. Designed in close collaboration with the Siemens Transformer Global Technology Center, this cutting-edge engineering with German quality standards efficiently supports the customer's high expectations for reliability.



"We are pleased that the Siemens transformers will modernize and help decarbonize the Danish railway system," said Gerry Wang, the general manager of the Siemens transformer factory in Wuhan, China.

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