

Vamp 221 arc protection for Neste Oil's new diesel production line



Vamp Ltd has delivered the arc protection systems for Neste Oil's new diesel production line in Porvoo, Finland. The delivery included 20 Vamp 221 type units and is among the largest arc protection projects in Vamp Ltd's history.

Vamp units are part of the refinery's electrical distribution system supplied by the Finnish Vaasa Engineering Oy. Vaasa Engineering's delivery for the project includes 600 cubicles of VEDA low voltage switchgears, 90 cubicles

of medium voltage switchgears and 300 metres of medium and low-voltage bus ducts containing special structures and a substantial protection system together with electricity distribution control systems. Multi-zone Vamp arc protection is implemented in the low and medium voltage switchgears and bus ducts.

Flexibility a crucial issue

According to Mr Seppo Perätalo, Project Leader at Vaasa Engineering, the Vamp 221 was the preferred choice from the

perspective of the switchgear manufacturer and system integrator right from the beginning. "We've known about Vamp for over ten years and we considered them the most reliable and technologically advanced supplier of arc protection systems for this demanding project. We knew from previous projects that Vamp's system has the flexibility to adapt to changes during the design and installation stage," Mr Perätalo says.

"The Vamp arc protection system was new to us but after studying its performance in detail we agreed that it has what is required for power distribution at our plant. Vamp personnel was cooperative and willing to take our opinion into consideration and to adapt the design to meet our requirements," confirmed Mr Seppo Varsamäki, Supervisor at Neste Oil. "With this system we get more advanced protection than what was originally specified," he adds.

Leading producer of high-quality traffic fuels

Neste Oil Corporation is a leading independent northern European oil refining and marketing company with a focus on high-quality transport fuels and other high value-added petroleum products with reduced environmental impact. The company has around 4,400 employees and its shares are quoted on the Helsinki Stock Exchange.

Neste Oil's new production line will use residue oil to produce clean, sulphur-free transport fuels, particularly diesel fuel, the production of which will increase by one million tonnes per year. The production line will come on stream at the end of 2006. The area occupied by the new line is about 4.5 hectares and the estimated cost of the entire project is EUR 600 million.

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