

Emtele Oy continues to serve critical infrastructure with the conclusion of a new long-term follow-up contract with Helen Electricity Network Ltd

Emtele Oy and Helen Electricity Network Ltd concluded the first long-term turnkey contract for a life cycle service pertaining to secondary substation automation in 2014. The follow-up contract concluded in 2020 covers the provision of remote control and measurement functionality with a 15-year monitoring and maintenance period for 150 secondary substations. The functionality comprises the disconnecter controls for secondary substation sites, the transmitting of status information, measurements, and alerts to different systems, and the required instruments, sensors, and telecommunications implementations. The existing concept is supplemented by the earth fault and short circuit indicator developed and patented by Emtele (VIKE pat.).

Together with Emtele, Helen Electricity Network Ltd continues to further improve the continuity electricity supply, which is already at a very high level. Helen Electricity Network is a trailblazer and a pioneer of secondary substation automation, which is becoming increasingly important in the management of the supply network in order to significantly reduce the length of power cuts and improve cost effectiveness. Helen Electricity Network has already reached a leading position in the availability of electrical networks in the world based largely on the secondary substation automation provided by Emtele. The combination of secondary substation automation and earth fault current compensation has produced a 50% reduction in electricity supply interruptions. The duration of an interruption in the supply of electricity of Helen Electricity Network has been just 3 minutes on average per customer, dropping down to mere 1.5 minutes last year. At the same time, the company has reached the lowest customer tariffs of any EU capital.

“Our decision to choose Emtele as our supplier was influenced by Emtele's ability to provide the long-term comprehensive service stipulated in competitive tendering and the life-cycle costs of the service. Even internationally, the innovative and advanced comprehensive service model of Emtele is a good fit for the strategy of Helen Electricity Network. We want our partners to provide well-functioning entities instead of individual devices and information systems. Our goal is to reduce the risks that would arise from having to integrate the technologies of several different suppliers, says Markus Lehtonen, the CEO of Helen Electricity Network. “We aim to lead the way for others in this sector.”

Helen Electricity Network Ltd

Helen Electricity Network is the operator of the distribution network in Helsinki. The company is a subsidiary of Helen (previously Helsingin Energia), which is owned by the City of Helsinki. Helen Electricity Network is responsible for the operation of the electricity network and the transmission and supply of electricity within its operating area. Helen Electricity Network has approximately 400,000 customers. The annual consumption of energy in its operating area is approximately 4,600 GWh. The company employs approximately 100 people.

Emtele

Emtele specializes in innovative industrial Internet services. Emtele's telecommunications solutions can be used to monitor machines, devices, and critical infrastructure sites. Together with the partner ecosystem and leading energy sector clients, Emtele has developed the FieldCom concept, which is the first service to enable remote control of smart grids. Now, Emtele is developing analysis services for the industrial Internet. By utilizing the industrial Internet, it is possible to reach a level of functionality completely free of disturbance and state-of-the-art productivity.

Emtele is a privately owned limited company. Emtele is expanding its operation internationally and has opened up new markets in different European countries with both global and local enterprises. Sales of the fault indication solution developed by Emtele are growing quickly in the Commonwealth of Independent States and in India. Further information: www.emtele.com.

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