



MERUS POWER

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Merus Power delivers static compensator expansion modules to improve power quality in a steel plant, that specializes in recycled steel production

Merus Power has negotiated a major expansion contract for a Merus™ STATCOM Static Synchronous Compensator it supplied back in 2015 to improve power quality. The delivery is scheduled for April-May 2022. The expansion of the compensator will enable the improvement of power quality and energy efficiency as well as fulfill the network requirements of the Adelca steel plant in Ecuador.

The Adelca plant in Ecuador shreds recycled steel and remelts it into raw material for the steel industry. Steel is one of the most recycled materials in the world and can be recycled almost indefinitely without compromising its features. The steel industry is an energy-intensive business. By investing in energy efficiency, the amount of power required to manufacture products can be reduced.

The static compensator, which is expanded, stabilizes the voltage of the industrial plant in the medium voltage network. The device compensates for disturbances in the electrical network caused by load fluctuations from the Arc Furnace (AF) which is used to melt steel. The device optimizes the Arc Furnace to operate more efficiently, extends its lifetime, and reduces its need for maintenance. At the same time, the steel plant is able to meet electricity network requirements set by the network company.

“Our products represent high-quality and advanced technology with scalability that enables customers to achieve good power quality even as production and demands increase. Merus™ products can be expanded modularly according to customer needs. Our compensators can also be connected with our remote monitoring and maintenance feature called Merus™ Wise. This supports the growth targets of our service sector and helps customers use their equipment effectively” says **Kari Tuomala**, CEO of Merus Power.

Additional information

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Merus Power is a technology company that enables a sustainable and energy-efficient future. We design and manufacture innovative electrical engineering solutions, such as energy storages, power quality solutions and services for renewable energy and industrial needs. With our scalable technology, we enable the growth of renewable energy in electric grids and improve the energy efficiency of our society. We are a domestic innovative electrical engineering specialist and operate in global and fast-growing markets. Our personnel represent internationally respected engineering expertise. www.meruspower.com

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