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Reka Kumi, a subsidiary of Reka Industrial, has launched an energy project to improve the energy efficiency of the Aura factory and convert the energy used in steam-powered production processes into CO2-free energy. The energy used in other production processes in Aura has already been CO2-free in the past.

The solution is based on Elstor Oy's power-to-heat thermal storage technology, in which electrical energy is converted and stored as heat. The stored thermal energy is transferred to steam at the desired time. The Elstor solution acts as an energy storage, the charging of which is automatically optimized for the cheapest hours of the day. Reka Kumi uses only CO2-free electricity to charge the battery. The Elstor solution reduces CO2 emissions from Reka Kumi's processes by an estimated 500,000 kg annually.

The power-to-heat thermal storage solution will enable Reka Kumi to completely eliminate oil from its production processes at the Aura factory, and the thermal storage will also serve as the factory's primary source of heating energy. After commissioning, it will be determined whether other forms of energy are needed in addition to the thermal storage (5 MWh storage capacity) selected for heating the buildings.

The total investment in the energy project is approximately 1.35 million euros and Business Finland has granted the project a 20% energy subsidy. In addition to the thermal storage, the investment includes, among other things, the construction of foundations for the thermal storage, the renewal of the steam pipeline and the update of the control system, and the introduction of the necessary connections to the power-to-heat thermal storage building.

Reka Kumi Oy and Elstor Oy have signed an agreement on a power-to-heat thermal storage on February 3, 2025. Preparations will start this year and the new thermal storage will be commissioned early next year.

"Reka Kumi is reducing its carbon footprint. The Elstor power-to-heat thermal storage solution for steam production at the Aura factory is a major and meaningful investment for us in more energy-efficient and environmentally friendly production," says President and CEO Sari Tulander.

Hyvinkää, 4 February 2025

Reka Industrial Plc
Board of Directors

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About Reka Industrial Oyj

As an industrial family company, we are committed to developing the performance and sustainability of the companies we own. Reka Industrial class B shares are listed on the Nasdaq Helsinki Ltd.

Attachments

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