



PRESS RELEASE

ANDRITZ and Pohjolan Voima commission Metris BOA measurement and analysis system at Hämeenkyrö CHP biopower plant, Finland

GRAZ, NOVEMBER 11, 2021. International technology group ANDRITZ and Finnish energy company Pohjolan Voima have commissioned a Metris BOA measurement and analysis system for the combined heat and power plant at Metsä Board's Kyrö mill in Kyröskoski, Hämeenkyrö, Finland. The system, which is the first of its kind to be installed in Finland, is used to extend the lifecycle of the power plant's boilers as well as to reduce maintenance and cut emissions.

The Metris BOA system was installed as part of Hämeenkyrön Voima's switch from fossil fuel to recycled fuels. The latter create new requirements with regard to condition monitoring of the boilers as the risk of erosion and corrosion damage on heating surfaces increases when these types of fuel are used.

ANDRITZ Metris BOA is a web app that utilizes live data as well as historical data from the plant to optimize and analyze power plant processes and monitor the equipment installed. Indicators and advisors increase the operators' awareness of opportunities to optimize consumption of utilities, improve efficiency, or keep the combustion process running at the optimum level. Machine-learning algorithms trained using historical data monitor important equipment and processes to reduce unplanned shutdown time and identify deviations at an early stage before any serious failure occurs. Initial results show that emissions from the plant have decreased, the quality of ash has improved, and the plant availability has increased with Metris BOA.

Jarmo Tervo, Manager, Technology and Projects, Pohjolan Voima, says: *"When making the switch to recycled fuel, we already knew that the varying quality of the fuel and the impact of the new fuels on the boiler would pose challenges to us. In addition, abandoning peat has required changes to the boiler technology."*

Pohjolan Voima is a Finnish energy company producing electricity and heat using hydroelectric, thermal and nuclear power. The company's share of the total electricity generated in Finland is approximately 20%, with 96% of this energy being carbon neutral.

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Metris BOA Dashboard

PRESS RELEASE AND PHOTO AVAILABLE FOR DOWNLOAD

Press release and photo are available for download at andritz.com/news. The photo may be published free of charge if the source is stated: "Photo: ANDRITZ".

FOR FURTHER INFORMATION, PLEASE CONTACT

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ANDRITZ GROUP

International technology group ANDRITZ offers a broad portfolio of innovative plants, equipment, systems and services for the pulp and paper industry, the hydropower sector, the metals processing and forming industry, pumps, solid/liquid separation in the municipal and industrial sectors, as well as animal feed and biomass pelleting. Plants for power generation, flue gas cleaning, recycling, and the production of nonwovens and panelboard complete the global product and service offering. Innovative products and services in the industrial digitalization sector are offered under the brand name Metris and help customers to make their plants more user-friendly, efficient and profitable. The publicly listed group has around 26,800 employees and more than 280 locations in over 40 countries.

ANDRITZ PULP & PAPER

ANDRITZ Pulp & Paper provides equipment, systems, complete plants and services for the production of all types of pulp, paper, board and tissue. The technologies and services focus on maximum utilization of raw materials, increased production efficiency and sustainability as well as lower overall operating costs. Boilers for power generation, flue gas cleaning systems, plants for the production of nonwovens and panelboard (MDF), as well as recycling and shredding solutions for various waste materials also form a part of this business area. State-of-the-art IIoT technologies as part of Metris digitalization solutions complete the comprehensive product offering.