



PRESS RELEASE

## ANDRITZ launches AI-supported polymer dosage system for reduced OPEX

*GRAZ, SEPTEMBER 30, 2021.* International technology Group ANDRITZ has introduced the next generation of its unique **Metris addIQ RheoScan**, the world's first patented, optical measurement system for automatic polymer dosage in belt presses and gravity belt tables. Among other features, the system now uses artificial intelligence (AI) to further increase process stability and reduce operating costs.

Metris addIQ RheoScan measures the actual sludge conditions throughout the thickening and dewatering stages in real time using a convolutional neural network for texture detection. The system adjusts the polymer dose as needed to match changing flow rates and sludge conditions – automatically and with the utmost precision. This allows for almost fully autonomous machinery operation. The new squeeze-control option enables the system to operate at the capacity limits of the machine 24/7, effectively eliminating downtime.

Optimized dosage saves polymer, resulting in OPEX reduction by up to 40% for sewage sludge, coal sludge or paper sludge dewatering. The cutting-edge technologies used also help to maintain optimum cake dryness and to identify blinded belts which in turn leads to smoother operations. Installations in wastewater treatment plants with digestion processes have seen the additional benefit of higher gas yields.

Metris addIQ RheoScan operates without supervision and can be applied to any belt press or gravity belt table in all types of municipal and industrial sludge processing facilities. Customers who have installed a Metris addIQ RheoScan generally recouped their investment in less than a year.

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ENGINEERED SUCCESS





Metris addIQ RheoScan, patented, optical measurement system for automatic polymer dosage

#### **PRESS RELEASE AND PHOTO AVAILABLE FOR DOWNLOAD**

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

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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 26,700 employees and more than 280 locations in over 40 countries.

#### **ANDRITZ SEPARATION**

ANDRITZ Separation provides mechanical and thermal technologies as well as services and the related automation solutions for solid/liquid separation, serving the chemical, environmental, food, mining and minerals industries. The customized, innovative solutions focus on minimizing the use of resources and achieving highest process efficiency, thus making a substantial contribution towards sustainable environmental protection. In addition, the business area offers technologies and services for the production of animal feed and biomass pellets.