



SEPARATION

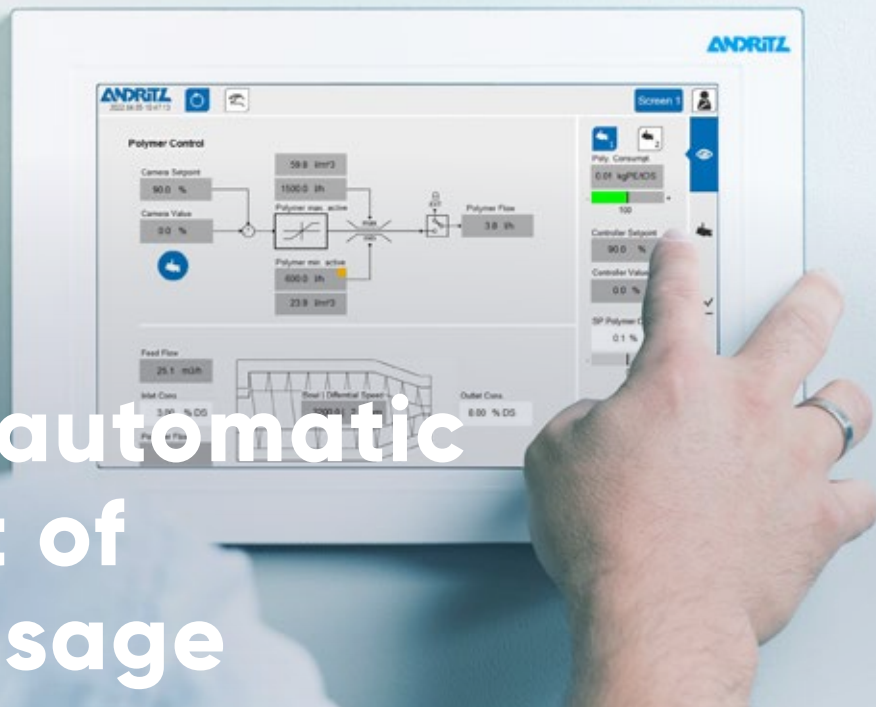
**OPTIMIZE POLYMER  
CONSUMPTION AND REDUCE  
COSTS BY UP TO 25%**



**ANDRITZ**

ENGINEERED SUCCESS

# Real-time, automatic adjustment of polymer dosage



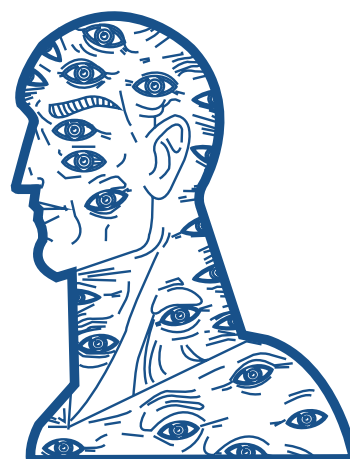
The Metris addIQ ARGOS is an optical measurement system that can detect the actual centrate condition during the thickening and dewatering process. ARGOS adjusts the optimum polymer dose and torque setpoint to match changing conditions in the operating process – like an extra set of eyes looking over the operator's shoulder.

Keeping centrifuge operation at its optimum would be a 24/7 task for any operator. As the centrifuge is not the only equipment to be taken care of, this amount of attention is not realistic in standard operation. Further, process conditions can be volatile throughout a machine's lifetime. This may lead to a drop in cake dryness, worsening centrate quality, or overdosing of polymer during operation.

All of this means higher costs for polymer use, trucking and disposal fees, drying, and labor. ARGOS helps you to automate your adjustment of polymer and torque control in real time 24/7 and therefore reduces your polymer and sludge processing costs.

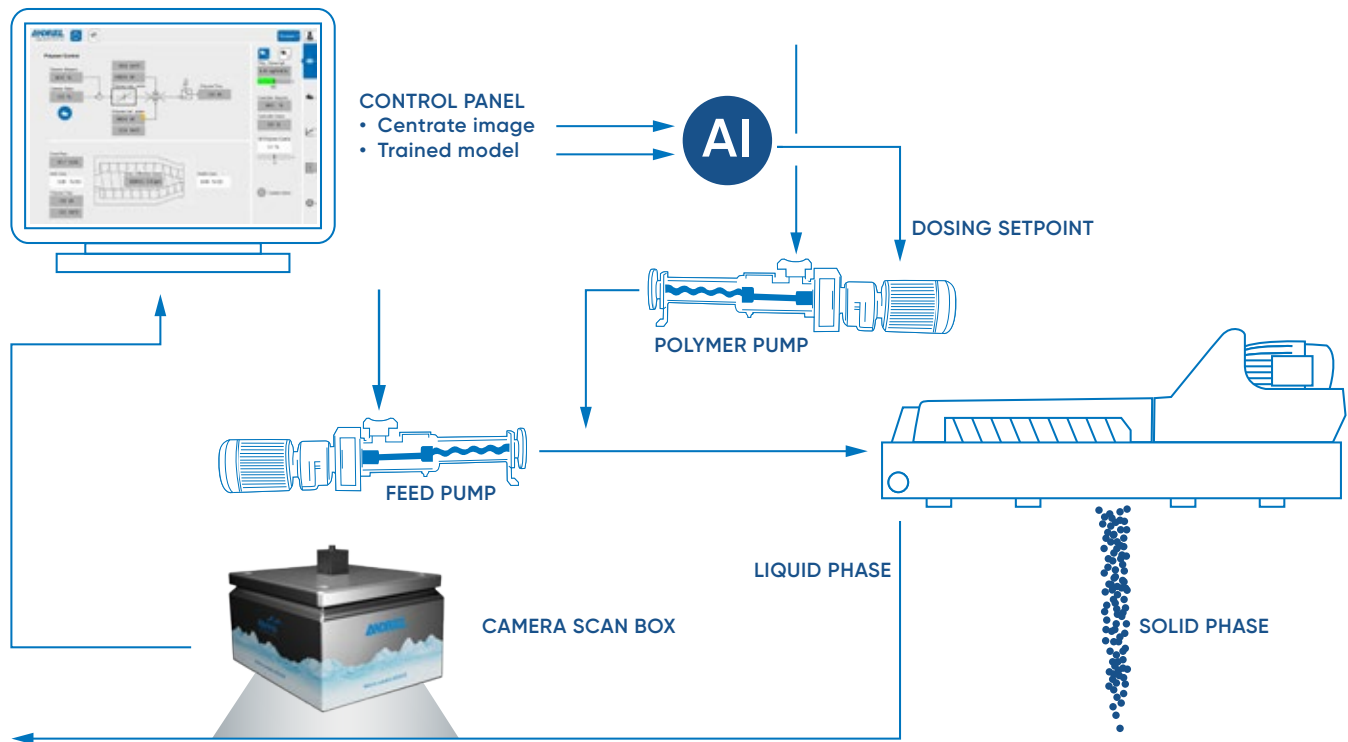
## APPLICATION

ARGOS can be applied to decanter centrifuges in a wide range of sludge processing facilities. Different designs of centrate sampling boxes are available to meet installation conditions and process requirements.

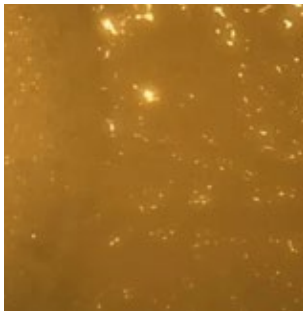


Argos is a many eyed giant in Greek mythology, where sleep never fell upon its eyes. Metris addIQ ARGOS is a giant as well, but in the field of optimum machine operation.

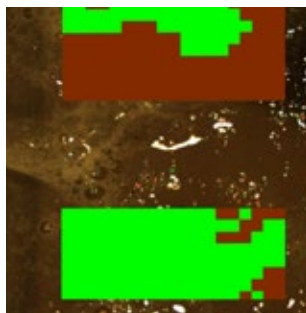
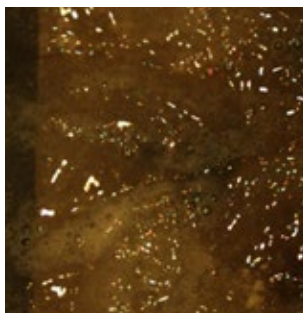
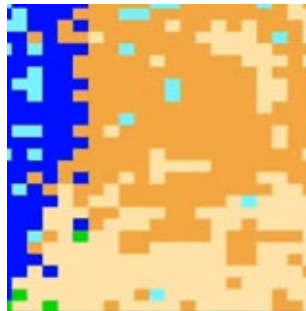
# Working principle



## REAL IMAGE



## CLASSIFICATION IMAGE

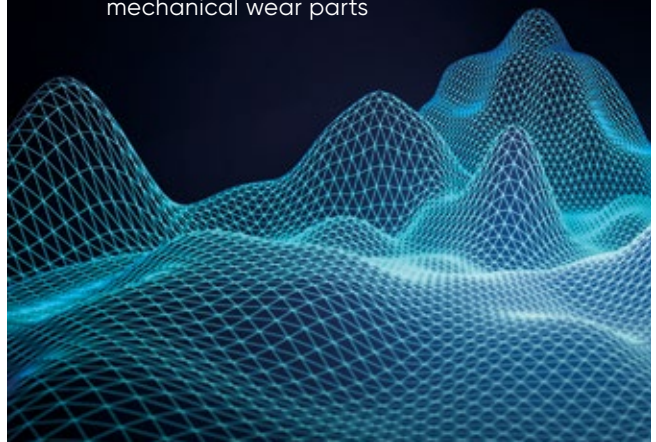


Example views of centrate quality (real images and classified by ARGOS)

\*Results proven in on-site tests

## Benefits

- Cost savings of up to 25% thanks to reduced polymer consumption leads to a short amortization period\*
- Increases plant reliability and stability of machine operation
- Operates without requiring supervision
- 24/7 real-time polymer and torque set point control
- A patented product which works with any manufacturers' automated polymer dosing system
- Easy cleaning and maintenance with no mechanical wear parts



## THE METRIS COMPETENCE

ANDRITZ offers a broad and constantly growing range of innovative products and services in the industrial digitalization sector under the brand name Metris, helping customers to

- Enhance plant efficiency and profitability
- Optimize the use of resources
- Achieve constant and highest product quality
- Avoid production downtime
- Maximize user-friendliness

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