

Efficiency and reliability with Algas micro-filters

Increased working safety, considerably fewer chemicals involved and the throughput of solids is almost halved. This was the result after two Algas AMF 45 HPW micro-filters were installed at the Austrian Rondo Ganahl paper mill.

- "We are extremely satisfied with the system", said Thomas Ogerman, the plant manager, who would also choose an Algas water treatment plant as their next investment.

Technical Article

Rondo Ganahl is a family-owned company based in Frastanz, a town in the western Austrian state of Vorarlberg. The Frastanz paper mill was founded in 1911, but the company dates back to the end of the 18th century and it has its roots in the textile industry. Today, the company is well established with its Frastanz paper mill, a wastepaper collecting company and other corrugated cardboard plants in Austria, Germany, Hungary, Turkey and Romania employing a total of 1,530 people.

Its conscious approach with simple structuring and decentralised management responsibilities has resulted in an highly efficient organisation that also respects the local environment. The company continuously invests in its employees as well as modern technology with a long-term perspective combined with its responsible use of resources.

The factory in Frastanz

The well-equipped paper mill in Frastanz makes white and brown corrugated paper and it supplies its

own facilities as well as external customers in Europe.

In December 2018 a project for more efficient cleaning was initiated. The project goal was to reduce the freshwater consumption and the chemicals used in installed filter units whilst also reducing the amount of solids going into the waste water. The paper mill does not have its own biological cleaning plant and all of its discharged water flows into the municipal sewage plant in Feldkirch.

Efficiency and customer satisfaction

The project involved replacing the two existing filter units with two Algas AMF 45 HPW micro-filters fitted with 100 µm filter cloths. The scope also included the tanks, pumps, piping, instrumentation and the programming. Chemical consumption has been significantly reduced by approx. 80% and filtration efficiency has increased since the complete system was taken into operation. The amount of solids has been reduced from 900 mg/l to < 500 mg/l.

Mr Ogermann well remembers the continual



problems with the old plant whereby the wires clogged up and the dewatering capacity always decreased as a result of increased ash content during web breaks on the paper machine.

“They were the decisive points when we made our decision. The new filters work reliably and without any problems” continued Mr Ogermann, and he also explained that test runs and visits to reference systems also contributed to the decision to select Algas as their supplier. He is firmly convinced that the company would not hesitate to make the same decision again.

Algas is a trademark of Cellwood Machinery. The company's filtration solutions for treating and purifying water have been installed in numerous pulp and paper industry plants around the world. Rondo Ganahl is one of the new customers for Cellwood.

