

CASE STORY

Secondary cooling SCA ÖSTRAND



The core of the operations is SCA's vast forest holdings in northern Sweden, 2.6 million hectares of forest land, almost the area of Belgium. This is the largest private forest holding in Europe. Based on this unique resource, SCA has developed a well-invested industry, designed to create the highest possible value from the forest, a resource-efficient industry where the entire tree is used to create value. The products include solid-wood products, pulp, kraft liner, publication papers and renewable energy.

Project Helios at SCA Östrand's pulp mill in Timrå is one of the largest industrial investment ever in Sweden and the largest in northern

Sweden ever. The new factory, which started up in June 2018, is a factory of world-class in terms of product quality, environment and competitiveness. SCA Östrand has doubled its production capacity from 430 000 tonnes to 900 000 tonnes and has now got the biggest production line for bleached kraft pulp in the world.

In order to double the production, a new cleaning shop was required, where the timber is debarked and, a new evaporation unit, a new drying machine with two new baling lines, an expansion of the water purification plant, a new large bleaching works and a new large fibre line. The fibre line is largest in the world just for softwood.

River water from Indalsälven is being used in SCA Östrand's pulp mill. The water is needed in the pulp production but also as secondary cooling media to cool down machinery water in the processes. Four multi-basket Bernoulli Filters, model BMS 500, play a vital part in SCA Östrand's pulp mill to reduce suspended solids in the river water before it reaches the different processes.

Facts and figures

Customer: SCA Östrand

Location: Timrå, Sweden

Application: Secondary cooling

Filter model: 4 x BMS 500

Filtration: 0,2 mm

Operating flow: 4 x 3200 m³/h

Operating pressure: 5,3 bar g

Design pressure: 10 bar g



BERNOULLI
SYSTEM