

CASE HISTORY

SEMICONDUCTOR

SOLAR

PHARMA

POWER GENERATION

FOOD & BEVERAGE

PULP AND PAPER

CHEMICAL

OIL AND GAS

MINING

AEROSPACE AND TRANSPORT

METAL FINISHING

MUNICIPAL



An **aquarion** Group Company

TOVEKO Filters

Hofors Energy



The Municipality of Hofors is situated in the County of Gästrikland. Hofors has about 13,000 inhabitants. Most families in Hofors have at least one member that is dependent on the steel company Ovako either directly or indirectly. Within the Ovako industrial park the Municipality has build its district heating plant. This plant uses mainly wood chips and surplus heat from industry as fuel.



Hofors Energy AB, production facility within Ovako Industrial Park



Raw water intake

The district heating plant also produces steam that is sold to the industry for use in different applications. The production of this steam requires relatively clean water. The use of dirty water contaminates the system and causes shutdown.

Steam is produced using lake / river water. This water contains substantial amounts of humus. In order to make this water suitable for steam make up a treatment plant has been installed.



The main element of the water treatment plant is a TOVEKO filter model S-450 which is designed to handle a flow of 15-25 m³/h.. Prior to the filter, poly aluminium chloride is added at a rate of 15-20 ml /m³ to aid coagulation and subsequent filtration.

Residual aluminium concentration is 0.1-0.2 mg /l.



Treated Water

H+E ranks among the world's leading suppliers in the fields of: water & wastewater treatment, and energy efficiency. Based on its global presence, the **H+E GROUP** has completed projects in over 50 countries.



HAGER+ELSÄSSER

An aquarion Group Company

Tel: +44 1403 272772

sales@he-water.co.uk
www.he-water.co.uk