

Papermill

Cartiere del Garda S.P.A.

Riva, Italy

Project aims

The aim was to reduce the fresh water consumption by further cleaning the “clear” water coming from an existing Flotation unit.

Type of installation

1 ALGAS Superfine 30 W

Background

Process water from the PM was treated by an existing Flotation unit. The “clear” water produced was not of a sufficient quality to replace fresh water. The mill was also looking for a treatment process which operated without chemicals.

Solution

After successful test trials, an ALGAS Superfine 30 W, fitted with a fine cloth, was installed to polish the DAF water down to a Super Clear quality. The Super Clear water is used to replace fresh water on wire and being fibre free, also on high pressure showers. Fresh water consumption has been reduced by up to 100 m³/hour.

Results

The filter was installed in Sept. 2004.
The process data is as follows:

Inlet flow:	110 m ³ /hour
TSS in inlet:	up to 300 mg/l
Filtrate clarity:	max 25 ppm (< 15 ppm with lower inlet ppm values)

