



ULTRAGREEN™

**Saint Barthelemy
Wastewater
Treatment Plant**
Saint Barthelemy
0.32 MGD MBR SYSTEM

INFILCO
BIOLOGICAL GROUP



Saint Barthelemy Wastewater Treatment Plant

Saint Barthelemy, France

INFILCO
ULTRAGREEN™

QUICK FACTS:

>FLOW RATE:

0.32 MGD Design Flow

>PERMIT:

BOD₅ < 10 mg/l, TN < 15 mg/l,
TSS < 5 mg/l

>NUMBER OF TRAINS: 2

>NUMBER OF MODULES/TRAIN: 4

>START DATE: April 2011

BACKGROUND

Saint Barthelemy Island was investigating innovative wastewater treatment technologies to construct a WWTP that will have the smallest footprint and provide advanced wastewater treatment to the tourist island.

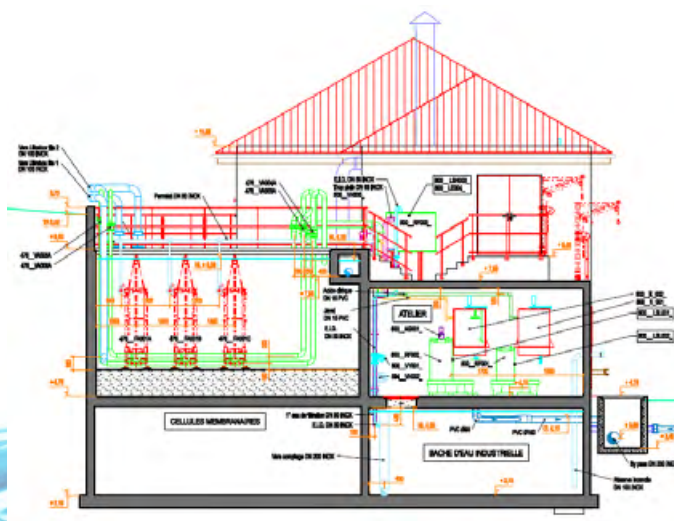
SOLUTION

A number of conventional technologies were evaluated for the project. However, none of them satisfied the criteria of advanced wastewater treatment in the least possible footprint. The evaluations determined that MBR technology would be effective in meeting the above treatment objectives and would fit within the smallest footprint.

A full-scale Ultragreen® system from Degremont was selected as the most cost-effective solution. Preliminary treatment steps in the liquid treatment train consists of sand and grease removal systems and fine screening. Preliminary treated water then flows to the secondary system which includes biological trains followed by 2 membrane treatment trains. Each train consists of 4 ultrafiltration membrane modules. Highly compact and efficient, the Ultragreen® system successfully provides advanced wastewater treatment in a small footprint.

RESULTS

TSS	5 mg/L
BOD ₅	10 mg/L
TN	15 mg/L



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