



A brand of
Aqseptence Group

Passavant® Multi-Rake Bar Screen KUR-C Bassin de Ganay in Marseille, France

Situation

The inhabitants of Marseille were well aware of the following situation. During heavy stormwater events, thousands of cubic metres of waste water and storm water were discharged into the sea due to the lack of rain retention basins. The Calanque de Cortiou was then closed for the public. The ecological challenge was to prevent the release of one million cubic metres of waste water per year into the natural environment and to relieve the Geolide wastewater treatment plant, the largest underground plant in Europe (40,000 m³), by the construction of a huge wet weather flow retention basin.



Customer

DEGREMONT
92500 RUEIL MALMAISON - FRANCE

Commissioning

May 2015

Advantages

- Short cleaning cycles due to revolving chain with 7 cleaning elements per screen
- No sprocket wheels in the submerged area
- Completely hygiene-enclosed system

Solution

The underground stormwater retention basin Ganay, has a diameter of 56 m and is capable of collecting 50,000 m³ of mixed stormwater and wastewater in just one hour before it is discharged into the Geolide treatment plant within less than 24 hours.

The pre-screening of the enormous water quantities is carried out with 3 Passavant® Multi-Rake Bar Screens KUR-C. More than 10 m³ of screenings are discharged per hour via downstream installed conveyor belts.

The total wastewater throughput is 14 m³/s.

Drainage pumps can operate reliably and the maintenance effort for cleaning the stormwater tank after use is minimised.

Technical Details

3 sets of Multi-Rake Bar Screens KUR-C:

Maximum flow rate:	16,800 m ³ /h/screen
Number of cleaning rakes:	7 sets per screen
Channel width :	2,100 mm
Channel depth:	4,500 mm
Gap width:	50 mm
Bar rack height:	3,500 mm
Installation angle:	75 °



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Water Processing Solutions

Product Line: Water Treatment

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