

## Stormwater Pumping Suez Eaux

|                    |                            |
|--------------------|----------------------------|
| Application market | Wastewater                 |
| Market segment     | Wastewater Collection      |
| Pumped medium      | Raw, unscreened Wastewater |
| Pump product       | Immersible                 |
| Country            | France                     |



### Challenge

Hidrostal was in charge with the replacement of seven storm water pumps of a competitor. They are installed in a 40 m deep wet well, which has usually a water level of approx. 10 m. Previous installed pumps frequently clogged and caused the operator major problems during high water events or for example, when the sump had to be pumped empty for cleaning. An important requirement from the customer was to continue using the existing lowering device of the formerly installed pumps.

### Solution

All seven previous used pumps were replaced with Hidrostal Screw Centrifugal Pumps, fitted with an adapter to ensure compatibility with the existing lowering device. Hidrostal developed an automatic control system with which pump operation can be controlled independently of the level in the sump.

### Benefits

The customer's requirements for improving the system and pump operation were all met satisfactorily. After the conversion of the plant it could be reliably proven that:

- less turbulence can occur in the pump sump,
- pump operation is generally quieter and safer; and
- a high overall reliability of the system could be achieved
- Significant cost savings by using the already installed lowering device

|                        |   |
|------------------------|---|
| Quantity of units sold | 7   |
| Pump type              | H12K-LLT1 + HE090X4   |
| Motor data             | 75 kW / 1480 rpm / 50 Hz / Immersible with Variable Speed Control |
| Material combination   | Cast Iron   |
| Duty point             | Flow : 360 litres per second / Head : 15 meters                   |
| In operation since     | 2013 – 2014   |