

Pumping Station in Seysses Prison

Market segment	Wastewater
Application market	Wastewater collection
Pumped medium	Wastewater and large, coarse solids
Pump product	Submersible
Country	France



Challenge

The city of Seysses (located around Toulouse in the 31st Arrondissement) has a large remand centre with a lifting station, receiving all the wastewater from the prison. As usual in French prisons, inmates throw numerous items not intended for this purpose (such as mobile phones, food, clothing/textiles and much more) into the toilets. Because the lifting station is located on the prison grounds and therefore difficult to access, the maintenance effort should be kept as low as possible. The operator's declared aim was therefore, to remove the treatment process previously installed in front of the station in the form of a screen, for which a suitable pump was sought.

Solution

A **Hidrostaal Screw Centrifugal Submersible Pump** with a free passage of 75 mm was installed with great success. The raw sewage is removed trouble-free, and the previously used screen is no longer required. The so far used coupling part from the competitor's fast out device could continue to be used. The new pump simply had to be fitted with a corresponding adapter from the Hidrostaal range of accessories.

Benefits

Since the **Hidrostaal** pump was commissioned in April 2024, no more maintenance work has been required. Reliable operation of the pumping station is ensured even without a screening system. The previously quite expensive and complicated operation of the pumping station has been significantly simplified.

- High pump efficiency, therefore low energy consumption and low life cycle costs
- Reliable, non-clogging operation thanks to the large free passage
- Low installation work thanks to the adapter for the competitor's existing fast-out device

Quantity of units sold	1
Pump type	D06R-SLN1R+DN007H4-GNEQ1CC
Motor data	5.5 kW / 4 pole / 50 Hz / 400 V
Material combination	Cast iron pump body and wear parts with nodular iron impeller
Duty point	Flow : 50 litres per second / Head : 8 meters
In operation since	2024