

## Fish Friendly Pumping France

Application market	Industry
Market segment	Water Intake & Power
Pumped medium	River water (mixed with sea water), containing eel
Pump product	Submersible
Country	France



### Challenge

The previously used product of a competitor was not able to meet the latest tightened requirements for a fish-friendly pumping process for cooling water in a river power station. During this pumping process, the fish floating in the river must simply not suffer any damage.

### Solution

In a very long and complicated evaluation and selection process, the customer was able to convince himself that the current regulations regarding fish friendliness could probably only be complied with by using the Hidrostal Screw Centrifugal Pump, thanks to its unique properties for gentle handling, even for live fish. Pump hydraulic type V made of stainless steel and closed impeller was used to ensure fish friendliness.

### Benefits

One year after commissioning and continuous testing of the fish injury rate, the success and reliability of the system was largely demonstrated: 99% of the fish were pumped without loss or damage.

- the current and strict regulations for fish friendly pumping could be satisfactorily kept
- safe operation of the power plant thanks to reliable delivery of cooling water
- negotiations were held with the customer on the use of three further pumps for a similar application

Quantity of units sold	1
Pump type	I10V-S05 + IENT8
Motor data	55 kW / 8 pole / 50 Hz / 400 V
Material combination	Stainless steel pump hydraulic and cast iron motor body
Duty point	Flow: 350 litres per second / Head: 10.0 meters
In operation since	2013