

Xiamen Jimeijiachi Pumping Station

Application market	Wastewater
Market segment	Wastewater Collection
Pumped medium	Wastewater
Pump product	Immersible
Country	China



Challenge

For his wastewater pumping station located in the city of Xiamen in the province of Fujian, P. R. China, the operating company needed a suitable pumping solution within a very short time. The overall project time for all planning, manufacturing and installation work was only one month.

Solution

The realization of a traditionally used civil work was not possible due to the extremely short project time. As a solution, Hidrostal recommended the implementation of a fully integrated pumping system. Four complete pump systems with the non-clogging Screw Centrifugal Immersible Motor Pump fully integrated into a housing made from glass-fiber reinforced plastic were built and supplied. The housing for the pump size selected here was dimensioned with a diameter of 4.2 meters and a height of 6.5 meters. Planning and production time for the pumping station was only 25 days. Within the remaining few days, residual works, such as transport to the construction site, installation on the plant and finally commissioning, was completed on time and within the time limit of one month.

Benefits

Today, the integrated pumping station is one of Hidrostal's many existing and well known competences and is regarded as a typical and excellent reference in China's pump business.

Quantity of units sold	4
Pump type	H12K-RLN1 + HE090M4
Motor data	55 kW / 4 pole Immersible Motor
Material combination	Cast iron pump body and wear parts with nodular iron impeller
Duty point	Flow: 354 litres per second (maximum) / Head: 10 meters
In operation since	2014