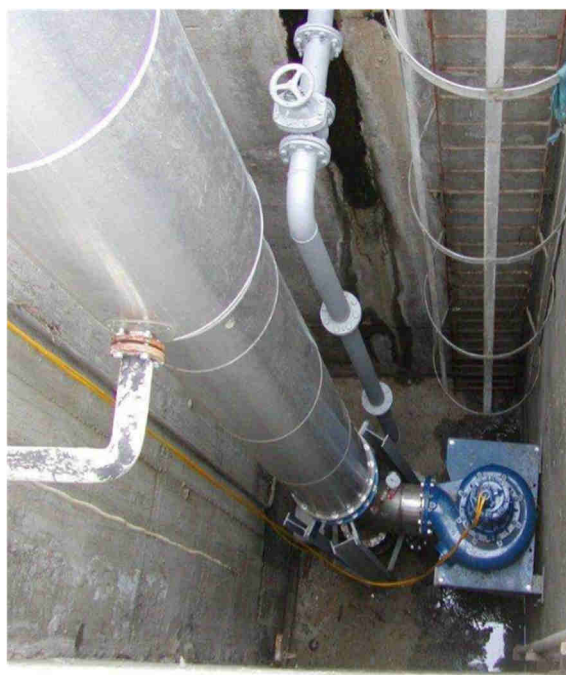


## Digested Sludge Pumping Thessaloniki

Application market	Wastewater
Market segment	Sludge treatment
Pumped medium	Digested Sludge
Pump product	Immersible
Country	Greece



### Challenge

The construction company AKTOR S. A., which is responsible for the operation and maintenance of the Thessaloniki wastewater treatment plant, planned a new sludge recirculation system. The redesign included the replacement of four biogas compressors in each digestion tower by four pumps. Due to its outstanding properties and unique suitability in pumping difficult fluids, the new system was to be based solely on the use of the Hidrostal Screw Centrifugal Pump.

### Solution

In 2010 the first digestion tower was equipped with Hidrostal Screw Centrifugal Pumps as a pilot system. Due to the very good results with this new mixing process, all four digestion towers were then converted to the new system using totally twelve Hidrostal pumps.

### Benefits

With the Hidrostal Screw Centrifugal Pump, the customer's expectations could be fully met with:

- improved mixing ratio and therefore increased overall process stability during circulation of the digested sludge
- reliable pump solution despite difficult operating conditions
- high customer satisfaction with follow-up orders

Quantity of units sold	12
Pump type	F10K-SS1 + FEXT8-M
Motor data	5.5 kW / 8-pole
Material combination	Cast iron pump body with nodular iron impeller
Duty point	Flow : 110 litres per second / Head : 3 meters
In operation since	2010