

Flood Handling Jakarta

Application market	Construction
Market segment	Flood Control
Pumped medium	Stormwater with dirt and debris
Pump product	Axial Column
Country	Indonesia



Challenge

Reliable, pumping solutions were needed to remove floodwater, containing a lot of dirt and debris, from various locations throughout the city of Jakarta after the 2013 flooding disaster. The task demanded great flexibility from all involved.

Solution

The Hidrostaal Screw Centrifugal Axial Column Pump with large free passage was chosen to overcome the need for pumping large flow rates to relatively small heads. The normally permanently installed axial pump was mounted in a transportable, vertical tube chamber to ensure the desired flexibility and mobility.

Benefits

The task was completed satisfactorily. Thanks to the large free passage, the flood water could be removed without problems and without blockages of the pump.

Quantity of units sold	1
Pump type	L20A-HD1 + Submersible Motor
Motor data	90 kW / 8 pole / 50 Hz / 400 V
Material combination	Cast iron pump body and wear parts with nodular iron impeller
Duty point	Flow: 1000 litres per second / Head: 5 meters
In operation since	2013