


Stormwater Pumping Sheung Wan Hong Kong

Application market	Industry	
Market segment	Flood Control	
Pumped medium	Stormwater	
Pump product	Submersible	
Country	China	

Challenge

The district of Sheung Wan in Hong Kong is famous for its large market with dried seafood. During rainy season, there were repeated heavy floods, which regularly flooded streets, shops and market stands, especially damaging valuable food such as the dried seafood. The flooding problem was solved with the construction of a rainwater pumping station. This is an underground storage tank with a capacity of 9,000 cubic metres. A reliable pump solution was required to empty the storage tank.

Solution

Six large Hidrostat Screw Centrifugal Column Pumps with large free passage and high hydraulic efficiency are used to feed the collected rainwater from the storage tank to Victoria Harbour.

Benefits

The high requirements of the customer were fulfilled to complete satisfaction by using the Hidrostat pumps:

- No more flooding of the Sheung Wan district since the rainwater pumping station was put into operation
- Energy-efficient solution thanks to the high hydraulic efficiency
- Non-clogging and therefore reliable pump operation is ensured due to the large free passage

Quantity of units sold	6
Pump type	L20A-SS1 + LN190X8
Motor data	160 kW / 8 pole / 50 Hz / 400 V
Material combination	Cast iron pump body and wear parts with stainless steel impeller
Duty point	Flow: 1000 litres per second / Head: 10 meters
In operation since	2009