

Mobile Pump Betsy – Fire Service Salzburg

Application market	Construction
Market segment	Dewatering & Drainage Flood Control
Pumped medium	Surface and Storm Water
Pump product	Mobile Pump Betsy / SuperBetsy
Country	Austria



Challenge

Within the European Union (EU), the rules on flood protection are regularly adapted and expanded. Countries and municipalities must implement correspondingly required measures on an ongoing basis. One of these is the provision of mobile pump units, so-called EU modules. These are fully equipped, independently operating high-capacity pump units (HCPs) for international use with flow rates of up to 15,000 litres per minute and more and a range of up to 800 km. One of the Hidrostal sales partners based in Austria was contacted by the Salzburg regional fire department command to develop and implement a corresponding concept.

Solution

Use of a Betsy mobile pump unit with built-in Hidrostal Screw Centrifugal Pump, diesel drive, sound-insulated housing, and high-efficiency vacuum system. The Betsy was thoroughly tested during the selection process and rated as exceptionally reliable and efficient by the responsible authority. Finally, the high-capacity pump module was developed and built in cooperation with the Salzburg Fire Department. The Betsy, mounted on a trailer and equipped with numerous accessories is ready for immediate, challenging use. Education and regular training of the responsible firefighters guarantee a frictionless operation in the corresponding case of emergency.

Benefits

Since its start-up, the EU module has already proven its value in numerous exceptional situations, such as flood events caused by heavy rain near waterbodies, flooding of buildings or road underpasses, as well as groundwater lowering that has become necessary, but also in the event of industrial accidents or flooding of seacoasts during storms.

Quantity of units sold	2
Pump type	Mobile pump Betsy 300 with integrated F10K-HD Screw Centrifugal Pump
Motor data	50 kW (nominal) / speed range 1'000 rpm to max. 1'800 rpm Diesel drive
Material combination	Cast iron pump body with Hidrohard wear parts and stainless-steel impeller (Screw Centrifugal Pump)
Duty point	Flow : from 50 to max. 330 litres per second / Head : from 3 to 36 meters
In operation since	2012