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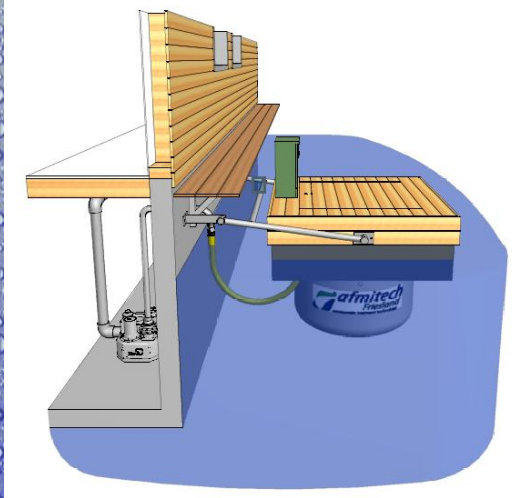
Buoyant wastewater treatment units at the Berghaven



Project

In the Berghaven near Schipperskerk, it is impossible for 15 houseboats to be connected to the sewage canal otherwise they would have to dig through the dike at a length of 700 meter what literally weakens the dike. Up till now these 15 houseboats are discharging untreated wastewater into the Juliana Canal. They did have to find a solution because it is not allowed anymore to do this.

In collaboration with the Municipality of Sittard-Geleen Afmitech Friesland BV has found a solution; every houseboat got its own buoyant wastewater treatment unit. These mini treatment units are available to a maximum capacity of 10 persons. Commissioned by the Municipality Sittard - Geleen Afmitech Friesland BV has sanitized 15 houseboats in total with buoyant wastewater treatment units.

Location

The Berghaven is located nearby the place of Schipperskerk and is part of the municipality Sittard – Geleen adjoining the Juliana canal.

Technique

The buoyant Bever Combi Compact is a floating class 2 unit for treatment of biodegradable domestic waste water, which works with the activated sludge process. This wastewater treatment unit is specifically designed for use on and around the water. The Bever Combi Compact Buoyant is composed of a form-retaining light-weight polyester tank where the complete system is built in. On top of the tank a platform has been secured with a built-in pontoon. The system can be attached to a ship or waterfront with a hinged rustproof steel construction making it adaptable to fluctuating water levels. The water level here changes by the nearby locks multiple times per day, sometimes with 50 cm difference.