



Environment and bathing waters – capital savings

Achievements

Up to **50 percent Capital savings** in new storage volumes.

Up to **25 percent reduction** in overflow volume.

Sewerflex a control system for sewer networks, minimises Combined Sewer Overflow (CSO) by means of real time data from the sewer network to identify optimal settings for gates and pumps in the network. The Sewerflex offers a cost-effective tool for reduction of CSO pollution and makes your city a better place to live.

Precipitation forecasts (PRACT) is easily added to the Sewerflex. With its proactive design, Sewerflex can prepare for future rain events before they occur, and thus achieve even better results.

Advantages of Sewerflex

Proven CAPEX savings: The use of Sewerflex will increase existing sewer system capacity and investments in new infrastructure will be significantly reduced.

Best-in-class technology: The core of Sewerflex for sewer networks is a Dynamic Overflow Risk Assessment that uses a generic algorithm to minimize the total expected impact on the receiving waters. Set-points for pumps and gates are communicated through the existing SCADA system.

Reduced overflow: Reduced nutrient pollution load in receiving waters. Better compliance with standards on water quality will open up the possibility of establishing more areas of bathing waters.



Case: BlueKolding A/S – Utility Company, Denmark

BlueKolding A/S has been challenged by extreme rain events that have forced the plant to discharge sewage via the Combined Sewer Overflows (CSOs) directly to Kolding Stream. Instead of using the conventional engineering solution of constructing additional storage, it was decided to optimize the existing capacity of the sewer system by Sewerflex. BlueKolding A/S was able to successfully meet its performance goal and at the same time reduce its costs by 35 percent.

Achievements:

35 overflow events reduced to less than 10 events.
50 percent savings in capital investment.



The web-based interface with animated map view provides the operators with easy access and a comprehensive insight.

**For further information,
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