

xylem



## Xylem's Flygt Concertor®

The first intelligent submersible wastewater pump still leads the way with proven performance and exceptional lifecycle value.



# Delivering numbers that count

People working in wastewater deal with numbers every day. Flow volumes. Number of callouts. Energy use. Inventory size. Budgets. Flygt Concertor is proven to optimize those numbers by adapting to real operating conditions and delivering measurable savings in wastewater systems around the world.

## Versatility

Flygt Concertor simplifies pump selection by covering multiple duty points in one solution. As your community grows, it scales with you, reducing the need for additional pumps, parts, and complexity.

## Built for continuous flow

Reduce callouts and downtime. Adaptive N<sup>®</sup> hydraulics let large solids pass through, while integrated intelligence clears blockages automatically. Built-in sump and pipe cleaning through Xylem Nexicon<sup>®</sup> controls also helps prevent sediment and grease build-up.



## Intelligent efficiency

Keep energy costs under control. IE4-equivalent motor efficiency is further enhanced by Xylem Nexicon's continuous operational analysis. With real-time adjustments to the optimal duty point, Flygt Concertor uses only the power needed to move wastewater effectively.

## Performance beyond the system

Flygt Concertor is part of a bigger equation. It helps prevent overflows, reduces odors and manual intervention, and lowers emissions. This supports safer operations, cleaner waterways, and better conditions for surrounding communities.

**It all adds up to exceptional lifecycle value**



Vacuum truck savings  
of up to

**80%**

Up to

**10x**

less maintenance costs

Inventory reductions  
of up to

**85%**

Energy savings of up to

**70%**

Savings compare the full capabilities of Flygt Concertor to conventional wastewater pumping systems.

"Fourteen days after we installed the new pump, our inspection team visited the pumping station in Kista to check the installation. They were amazed by what they saw. The wet well looked as though it had been cleaned from the inside. An incredible difference compared with before, when the wet well was always filled with rags and other debris."

**Stefan Tenglund**  
Site Supervisor for Stockholm Vatten, Stockholm, Sweden

"In the two years that we've had the Concertor pumps, we have not needed to pull one yet to unclog. The SCADA has recorded instances that the pump is running less efficiently, but the Concertor is smart enough that it reverses itself and either spits out or shreds whatever is causing the issue and carries on like normal, without a callout."

**Clint Derksen**  
Public works manager, Altona, Manitoba, Canada

# As your needs evolve, your solution does too



We're dealing with  
a high volume of  
solids, so clogs are  
a constant issue.

**Start with Flygt Concertor**

Flygt Concertor N comes complete with Adaptive N technology and built-in automatic clog detection and pump cleaning. A broad performance field enables easy integration to existing systems.

We have control algorithms and need an affordable way to put them to use.



### Add a Gateway

Flygt Concertor DP leverages your plant's existing control algorithms for variable speed pumping while also simplifying the adjustment of performance parameters. It can also provide redundancy as an on/off control.

Our system needs a complete overhaul with advanced functionality.



### Add Xylem Nexicon + HMI

Flygt Concertor XPC with the Xylem Nexicon monitoring and control solution is pre-programmed with wastewater pumping logic. Sump and pipe cleaning functions and operational analysis for energy efficiency are built-in.

# Making a difference wherever it goes

See how Flygt Concertor is solving challenges like yours, delivering results across wastewater networks worldwide and closer to home.

## Sublimity, Oregon Residential



Read the  
full story

### Challenge:

40+ year-old system couldn't handle current number of residents or solids in wastewater, resulting in escalating energy, maintenance, and labor costs.

### Solution:

Concertor XPC system utilizing a control building for protection, a valve vault to simplify servicing, and a TOP pump insert in the pumping station to eliminate sediment.

### Results:



**6** x  
reduction in  
pump operation



**11.5** hp  
reduction in  
pump operation



**0** clogs  
recorded

## Port of Trelleborg, Sweden

Industrial



Read the full story

### Challenge:

Recurring pump failure, flooding, and inability to appropriately charge incoming vessels for offloaded sewage.

### Solution:

Concertor XPC with Xylem Vue Secure Connect cloud-based monitoring that communicates with the port's existing data acquisition (SCADA) system.

### Results:



**3 years**  
without a pump  
stoppage vs. 1+/month



**Real-time**  
insight into system  
condition vs. none



**Fully compliant**  
with 2021 law banning  
discharge into sea

## Scottish Water, Scotland

Utility



Read the full story

### Challenge:

Water utility responsible for 30,000+ miles of pipe serving 5.4 million people wanted to minimize callouts, increase resilience, and reduce operational costs in pledge to reach net-zero emissions.

### Solution:

Turnkey Concertor XPC solution with a level pressure transducer.

### Results:



**£42K**  
savings in  
operating expenses



**99.8%**  
reduction in  
attendance visits



**40%**  
reduction in energy  
consumption

# Xylem |'zīləm|

- 1) the tissue in plants that brings water and nutrients upward from the roots.
- 2) a leading global water solutions company.

Xylem is a leading global water solutions company dedicated to advancing sustainable impact and empowering the people who make water work every day. Xylem connects diverse capabilities and innovative technologies to provide tailored solutions across the entire water cycle. From moving, treating and measuring water to optimizing and maintaining water systems, Xylem collaborates with customers to solve their most critical challenges. Together, through partnerships with utilities, industrial manufacturers, building operators, and communities, we are building a more water-secure world.

**For more information on how Xylem can help you, visit [xylem.com](https://xylem.com).**

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