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Xylem's Flygt Concertor®

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

FLYGT
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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® hydraulics let large solids pass through, while integrated intelligence clears blockages automatically. Built-in sump and pipe cleaning through Xylem Nexicon® controls also helps prevent sediment and grease build-up.

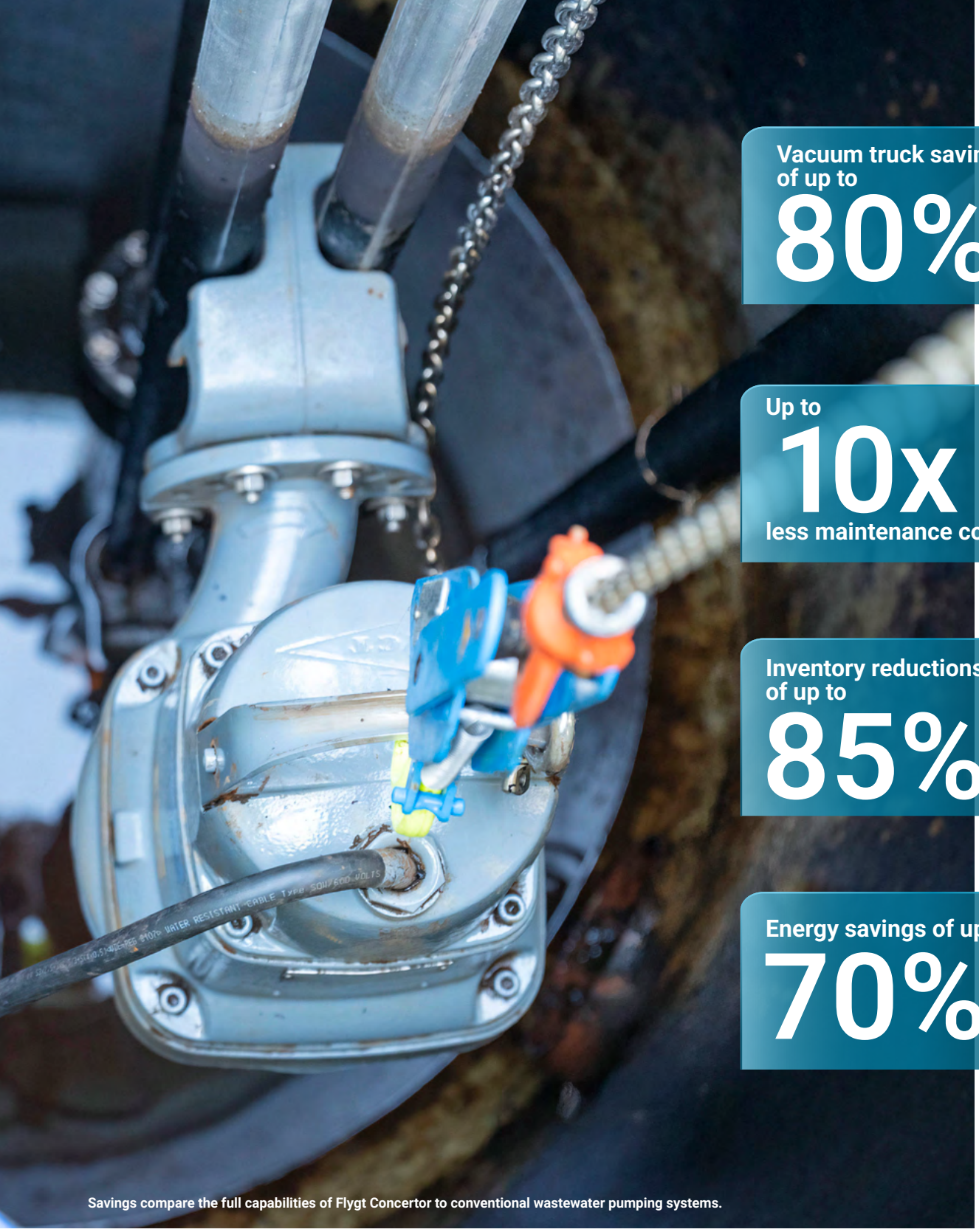
Intelligent efficiency

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.

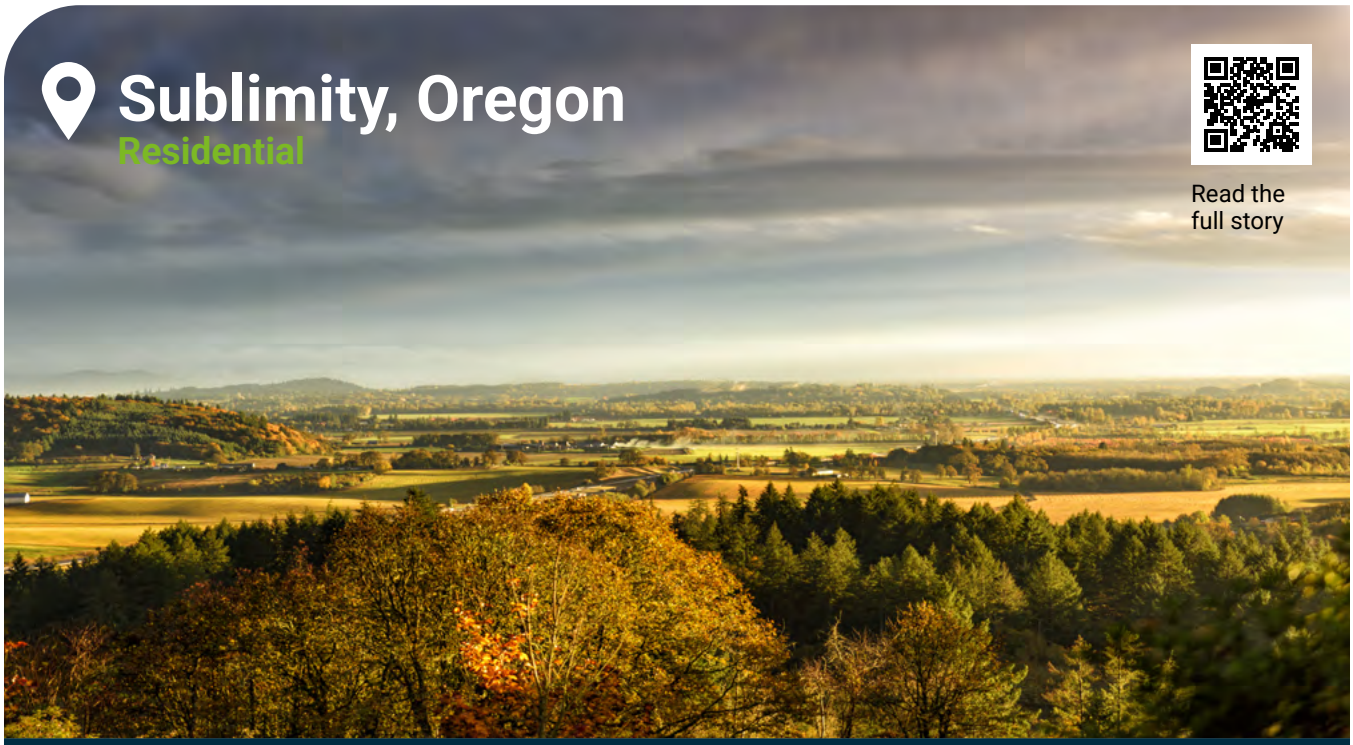


Add Xylem Nexicon + HMI

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:

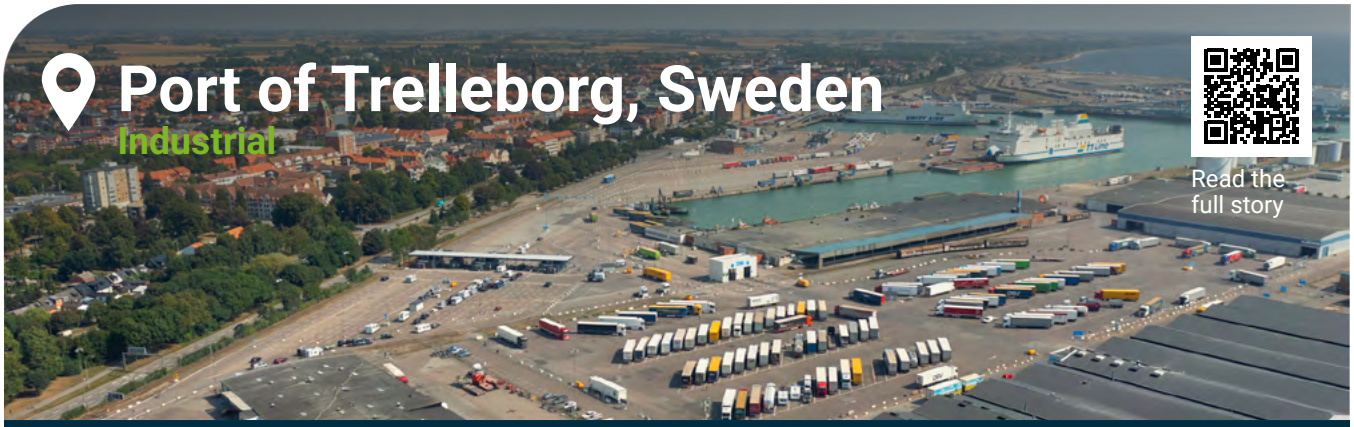
Concertor XPC system utilizing a control building for protection, a valve vault to simplify servicing, and a TOP sump insert in the pumping station to eliminate sediment.

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

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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.

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