

**xylem**  
Let's Solve Water



# Flygt Concertor<sup>®</sup>

THE TOTAL WASTEWATER PUMPING SOLUTION  
THAT ADAPTS TO OPERATIONAL CONDITIONS

**FLYGT**  
a xylem brand

# Solve wastewater pumping. Once and for all.

In a world increasingly challenged by water extremes, workforce shortages, and volatile energy costs, you need a wastewater solution that installs easily, operates efficiently, and can scale to match specific flow conditions automatically. The Flygt Concertor pumping system is the solution for your biggest headaches.

## Intelligent

Concertor takes wastewater pumping to a higher level. This intelligent pump with user-adjustable performance and self-monitoring anti-clogging countermeasures makes it suitable for a wide variety of applications, as well as helping prevent motor failure and clogging.

## Simple

Concertor is engineered and configured to start pumping instantly in simple on/off systems. More advanced Concertor systems - which may include gateways, modem integration to SCADA systems, or our Nexicon monitoring and control platform - are pre-programmed for easy installation and a fast launch.

## Economical

Concertor protects against unscheduled down-time and overflows, virtually eliminating unplanned site visits. Manufactured using efficient components with proven extended lifetimes, it delivers dependability, longevity, and energy savings up to 70% while reducing pump and parts inventory by up to 80%.

## Environmental

Concertor's user-configurable performance allows it to be tuned to precise duty points. And when combined with Xylem Nexicon's self-adapting power-saving functionality, it uses the least amount of power possible. These energy savings combined with reduced site visits and wet well cleaning significantly reduce the overall carbon footprint.

Concertor simplifies pumping.

Up to **80%** Saved on vacuum costs

Up to **70%** Energy savings

Up to **50%** Cabinet size reduction

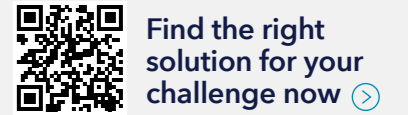
Up to **80%** Inventory reduction

Up to **10x** less cost for maintenance



See how much more efficient your system can be. [Try our online calculator now](#)

# What's your challenge?



# 1

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



### Start with Concertor

Airports, residential communities, and universities typically see a high volume of solids in their wastewater, making clogging likely. Without the right equipment, overflows, odors, and breakdowns are common. Flygt Concertor N with Adaptive N technology including self-cleaning functionalities guides debris through the system and clears itself if a blockage should occur. Its flexibility and easy integration to existing systems also make it a good choice for those just starting the transformation to intelligent water management.

# 2

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



### Add Gateway

Frequently, larger wastewater systems that have invested in process control algorithms still experience high costs and frequent site visits despite efforts to streamline operations. Flygt Concertor DP uses gateways to communicate and find the optimal duty point for each pump in your system, substantially reducing operating costs and site visits. It's a great fit for municipalities that have limited CapEx or OpEx budgets or are limited to smaller spaces for pumps and control cabinets. It can also work as an on/off control.

# 3

Our system needs a complete overhaul.



### Add Xylem HMI + Nexicon

When your current wastewater management system is undersized, old, or otherwise outmatched, replacement is the most sensible choice. Especially if you can install a system that scales as needs change, is ready to pump without additional programming, and offers a lower cost to purchase and run. Flygt Concertor XPC powered by our Nexicon monitoring and control platform comes pre-programmed for wastewater applications. It includes all logic unique to pumping stations, with sump, pipe cleaning and operational analysis built in - and can also be customized through Codesys to meet your exact needs.

## One solution for a world of water challenges.

With changes in weather patterns and migration of the populace, it can be hard to identify the perfect design for your pumping station. With Flygt Concertor, you don't have to. Thanks to its ability to change within a given performance field without impeller or motor replacement, this one device is the right answer for almost any situation.

*"We used to call the vacuum truck once a month to manually remove sediment and grease. That is now a thing of the past. With Concertor, we have saved both money and time."*

**R. Ramesh**  
Sultan Qaboos University, Oman

*"We've improved our overall pumping performance, but also reduced our energy bill by 53% at one of our pumping stations."*

**Ian Jolly**  
Heathrow Airport Water Services Department, UK

# Concertor takes the waste out of wastewater.

For years, Concertor has been solving issues and saving money for water utilities around the world.

## Residential Sublimity, Oregon

### 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:

**6x** reduction in pump operation

**11.5 hp** reduction in pump operation

**0** clogs recorded

Read the full story [↗](#)



## Industrial Port of Trelleborg, Sweden

### Challenge:

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

### Solution:

Concertor XPC with Avenso 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

Read the full story [↗](#)



## Utility, Scottish Water Scotland

### 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.

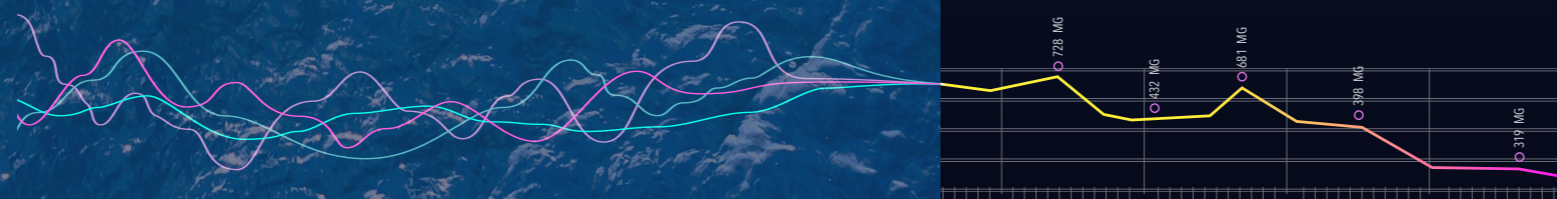
### Results:

**£42K** savings in operating expenses

**99.8** reduction in attendance visits

**40%** reduction in energy consumption

Read the full story [↗](#)



# Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating advanced technology solutions to the world's water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

**For more information on how Xylem can help you, go to [www.xylem.com](http://www.xylem.com)**

## xylem vue

### **Digital transformation starts with Xylem Vue**

Digital adoption is no longer an option, it's an urgent reality to meet the increasing pressures you face. Xylem Vue brings together our full portfolio of digital solutions to solve your most pressing water challenges along your digital journey. Let's see what's possible for you.

**For more information on Xylem Vue, go to [xylem.com/XylemVue](http://xylem.com/XylemVue)**