Flygt Concertor™ starts generating orders before official launch on the market

Swedish municipality purchases Xylem's new system after trial period

Operators of a municipal wastewater pumping station in the rural town of Lomma on Sweden's south-western coast agreed to install and trial a revolutionary new wastewater pumping system in an effort to solve clogging issues at the pump station.

As well as delivering clog-free pumping Xylem's Flygt Concertor, a state-of-the-art pumping system with integrated intelligence, significantly reduced energy consumption at the wastewater pumping station.

The operators were so impressed that they decided to purchase and permanently install the new system at the facility.

Efficiency challenges

Lomma Municipality is located in the Skåne region of southern Sweden. It serves over 23,000 inhabitants in three main districts including several villages and neighbouring communities. The municipality's Civil Administration Unit is working intensively to expand and improve its services as its population has steadily grown over the last five years.

It is in this context that operators of the Borgeby treatment plant agreed to trial Concertor, Flygt's new wastewater pumping system, in one of their pump stations. The main challenges were to improve plant efficiency and reduce instances of pump clogging, which typically required maintenance staff to intervene once a month.

Delivering clog-free pumping and significantly reducing energy consumption

In June 2015, Flygt Concertor was installed at Flädie Lundavägen pumping station and the system's performance was closely monitored over a period of six months. This showed that the newly installed system delivered a significant reduction in energy consumption. In addition to the energy savings, maintenance costs decreased by €1,300 annually.

Anders Sjöstrand, Manager at Borgeby treatment plant said, "Since installing Flygt Concertor we have seen a significant drop in our energy bill. Furthermore, maintenance call-outs have also been reduced to zero as the overall performance at the station has been greatly improved. We were so impressed with the system that we decided to replace our current system and install this new solution permanently at Flädie Lundavägen."

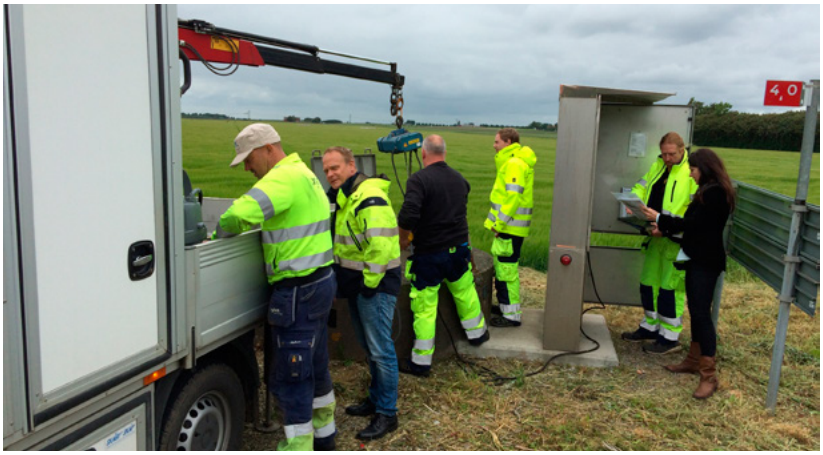
Customer: Lomma Municipality, southern Sweden

Challenge: To deliver clog-free pumping at a municipal wastewater plant while reducing energy usage

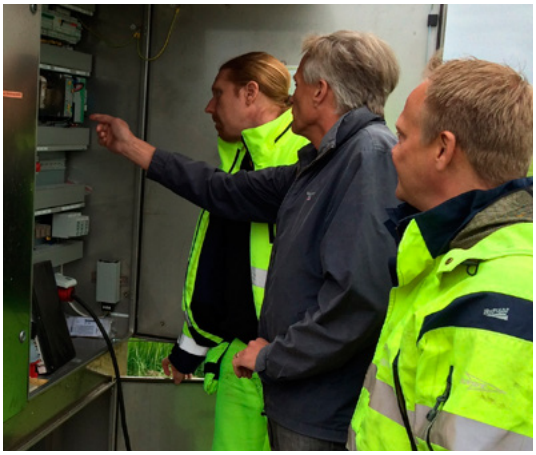
System: Flygt Concertor™, the world's first wastewater pumping system with integrated intelligence

Results: Clog-free pumping with no emergency call outs, saving €1,300 in maintenance annually | Pump system energy consumption significantly reduced | Possibility to reduce inventory

Flygt Concertor™



Installation of Flygt Concertor at Lomma Municipality.



Anders Sjöström (first from the right), Manager at Borgeby treatment plant, testing the Flygt Concertor system with the support of Xylem staff.

Furthermore, the benefits of acquiring a system that is so flexible is that in addition to the immediate positive impact of the trouble-free pumping and energy savings, operators can, for example, plan a significant reduction in their pump stock, reducing the variety of pumps needed to cover all of their applications.

Lomma Municipality is aware of the inventory savings made possible with Flygt Concertor. "By having Concertor with three outlet dimensions, we can drastically reduce our inventory as we won't need so many varieties of pumps and impellers. We're confident that this can deliver savings for us, and we are looking forward to seeing how it will work in the future," concluded Sjöstrand.

One of Concertor's unique features is its flexibility. Not only does this new system adjust pump performance based on actual flow requirements, making selection easier and guaranteeing optimal performance under variable flow, but it is also scalable, which means that it is possible for operators to add new functionality without losing their initial investment. This makes it suitable for challenges in many different sectors, being able to improve the efficiency of stations with different characteristics.

"Since installing Flygt Concertor ™ we have seen a significant drop in our energy bill... Maintenance call-outs have also been reduced to zero as the overall performance at the station has been greatly improved."