



ITT

Flygt Canada News

Monitoring and Controls Newsletter
Summer 2007

ITT Flygt is pleased to present you with its summer 2007 **Monitoring & Control Newsletter**. This Newsletter contains information about innovations in Monitoring & Control products. Also, you will learn about our Standard FMC software (GSP), the new Flygt ACS550 Variable Frequency Drive and new SCADA software release (Aquaview) and how they can provide you with peace of mind and reduce your emergency calls.

Should you have comments or suggestions for topics you would like addressed in the future, please contact:

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Application software GSP & CLC

ITT Flygt's Standard FMC softwares for control and supervision that will help you reduce your service visits

GSP is the ITT Flygt's standard FMC software for control and supervision of wastewater pumping stations while CLC add the functionality of VFD controlled pumps.

These softwares are highly configurable and are designed to communicate with various SCADA systems. The parameter controlled standard softwares handle pump control, alarms functions, running data, performance monitoring and communication with a SCADA system and/or paging system. The CLC logic keeps a fixed level to even outflow changes from station and it works together with the Flygt ACS550 VFD built-in cleaning sequence to ensure uninterrupted pump duty.

Unnecessary checks can be eliminated with the help of automatically generated service alerts. And with detailed information sent to your control center, you'll be able to slash the number of emergency call-outs.

Overflow alarms help operators react quickly to spillage. By keeping track of previous overflows, a monitoring and control system can help prevent future discharges.

You can find additional details about the Application softwares GSP and CLC by clicking on www.ittflygt.ca



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Engineered for life



Flygt ACS550 Variable Frequency Drive

Less clogging, less hassle, more saving

A standard variable frequency drive can be used in dozens of different applications. But regulating pump speed is not easy: to ensure problem-free pumping you need to pay special attention to flow and head.

In co-operation with ABB, we've developed a range of VFDs which, with their unique Flygt software, are specifically tailored for waste water pumps.

Using a standard VFD usually means a derating of your pumps. But with the ACS550, you can expect all the advantages of speed regulation, plus top pumping efficiency.

Fewer call-outs

To reduce the risk of clogging, a special program has been developed to help keep impellers clean. When the ACS550 senses an increase in load that exceeds a preset value, it triggers a cleaning sequence. Not only does this improve reliability, but it also means fewer emergency call-outs.



Pre-programmed for wastewater pumping

As pump experts, we know exactly what you need. The ACS550 is supplied with a selection of pre-setting, reducing the

number of parameters you need to handle by more than 90 percent.

The ACS550 can communicate with other pump controllers such as Flygt's FMC and can interface with different SCADA systems, including Aquaview.



Aquaview 1.50 SCADA Software

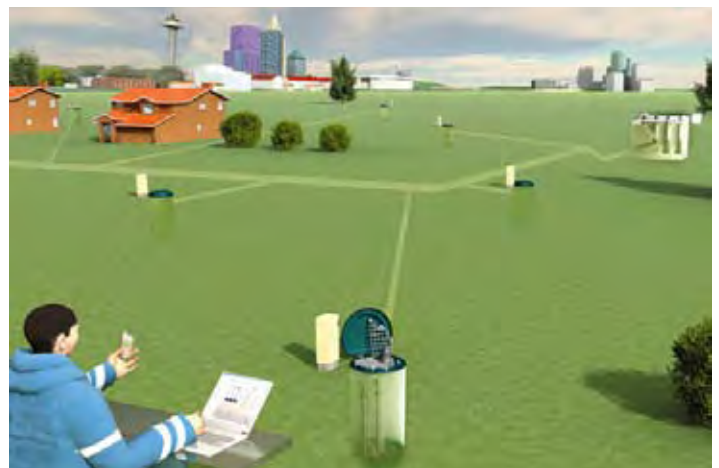
Safer monitoring and simpler control at a glance

A new version of Aquaview Supervisory Control and Data Acquisition (SCADA) software for monitoring and control of wastewater treatment plants and pump stations is available to help you to better supervise your installations. Aquaview 1.50 uses a network-ready SQL database, improving response times and enabling data to be stored anywhere on the network.

The system is flexible and can be expanded as needed. By gathering information from all Remote Terminal Units (RTUs) in the system, Aquaview makes it easy to see exactly what is going on at a plant or a pump station. Aquaview generates alarms in the event of failures, logs data on trends and events for reports, and continuously monitors the state of linked pumps, mixer and valves.

Users see a complete graphic overview of their facilities, together with a comprehensive and concise range of alarm reports, flow conditions and trends. With this information, users can optimise their pumping operations, reducing the need for manual supervision on site, simplifying service and maintenance, and lowering operating and service costs.

Aquaview can communicate with various protocols and supports many of the RTUs available on the market. Aquaview is available in English and French. Aquaview: the user-friendly control software that keeps you in the picture.



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Ultrasonic level sensor LSU100

Non contact level sensor that minimizes the maintenance interventions



When a non-liquid contact level sensor is required, ultrasonic level sensor LSU100 is your best option. The LSU100 is designed to provide accurate level measurement in rough conditions and where there is a lot of dirt and mud. It is also the right sensor for high temperature liquid applications where the regular level sensing device cannot be put in the liquid.

The 4-20mA signal from the LSU100 unit can be connected to any kind of controllers that can accept a 4-20mA input. The LSU100 is also approved for Ex-hazardous applications with the use of an intrinsically safe device. Due to its small physical dimension, the LSU100 is the perfect sensor for limited space applications. The LSU100 is maintenance-free and does not require being cleaned-up by entering the area where it is installed. Security, reliability and accuracy are the benefits you gain with this type of level sensor.

Monitoring & Control

Intelligent systems for pumps and mixers that help to reduce your operational costs

At ITT Flygt we produce practical and easy-to-use monitoring and control systems for many different pump and mixer applications. Our systems offer reduced operational costs, total overview, less report handling and better environmental control.

Each control system comes with a host of well-thought-out functions. Good examples are comprehensive pump control functionality, advanced supervision of pump condition, accurate flow calculation and cleaning functionality.

All functionalities are developed on world wide experience in municipal wastewater. Therefore you benefit from all the knowledge of over 100 years of Monitoring & Control expertise.



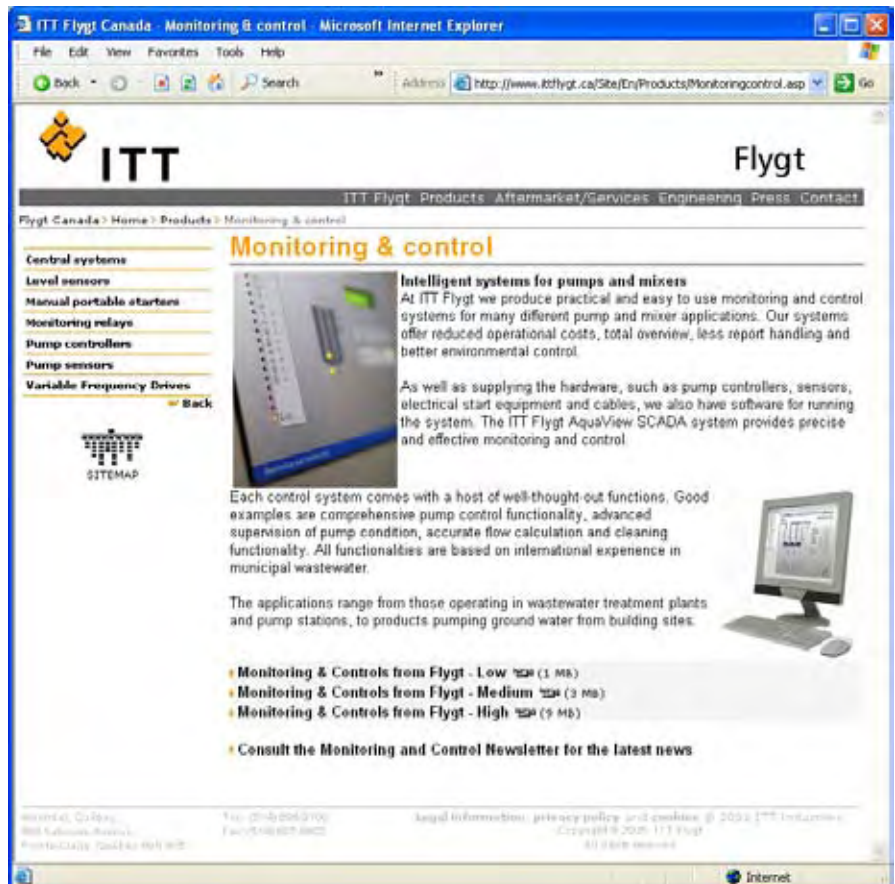
Flygt Canada Web Site

www.flygt.ca

Our web site is loaded with valuable information for you to use. In the Monitoring & Control section you will find all literature and documentation in regards to:

- Central Systems
- Pump controllers
- Pump sensors
- Level Sensors
- Monitoring relays
- And more...

Make sure you consult the Flygt Canada Web site (www.flygt.ca) often for regular updates about the Monitoring & Control products. The same knowledge and experience that builds the best pumps in the world is also capable of controlling and monitoring your pump stations.



The screenshot shows the ITT Flygt Canada website in a Microsoft Internet Explorer browser window. The page title is "Monitoring & control". The URL is "http://www.ittflygt.ca/Site/En/Products/Monitoringcontrol.asp". The page features the ITT logo and the Flygt logo. A navigation menu includes "Flygt Canada", "Home", "Products", "Monitoring & control", "ITT Flygt", "Products", "Aftermarket/Services", "Engineering", "Press", and "Contact". The main content area is titled "Monitoring & control" and includes a sub-heading "Intelligent systems for pumps and mixers". The text describes the benefits of ITT Flygt's monitoring and control systems, such as reduced operational costs and better environmental control. It also mentions that the company supplies hardware like pump controllers, sensors, and electrical start equipment, as well as software for running the system. A sidebar on the left lists various products: Central systems, Level sensors, Manual portable starters, Monitoring relays, Pump controllers, Pump sensors, and Variable Frequency Drives. Below the sidebar is a "SITEMAP" icon. The main content area includes a small image of a control panel and a computer monitor. At the bottom, there are links for "Monitoring & Controls from Flygt - Low", "Monitoring & Controls from Flygt - Medium", and "Monitoring & Controls from Flygt - High", along with a link to "Consult the Monitoring and Control Newsletter for the latest news". The footer contains contact information for ITT Flygt Canada, including the phone number (905) 206-2700, fax number (905) 206-2822, and website URL (www.ittflygt.ca).

ITT Flygt. The masters of Monitoring & Controls.