



# Tech notes



Pre-engineered Package Lift Stations for Wastewater and Stormwater

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## THIS EDITION OF

**TECH NOTES** examines the ITT Flygt AquaView SCADA system. Romtec Utilities provides "AquaView" free with all of its lift stations based on Flygt's FMC 200 or 400 pump controllers. AquaView is designed to monitor and control pumping stations. The SCADA system is flexible and can be expanded as needed. AquaView's open communication platform enables AquaView to communicate with various protocols and support many of the Remote Telemetry Units (RTUs) available on the market. AquaView features:

- more effective control for wastewater and stormwater applications
- reduced operational and service costs
- analysis tools to help optimize pumping operations
- an open platform that supports many types of RTUs
- comprehensive and customizable set of reports and alarms
- ability to customize a full range of users, from small municipalities to large networks

ITT Flygt is a strategic partner of Romtec Utilities and the world's leading manufacturer and supplier of submersible pumps and monitoring systems.

## ITT Flygt FMC (200 or 400) AquaView

A new pump station system from ITT Flygt is now available with Romtec Utilities' pre-engineered submersible lift station systems based on Flygt's FMC 200 or 400 pump controllers. Flygt's AquaView Supervisory Control and Data Acquisition (SCADA) software offers an accurate, user-friendly way to monitor and control lift stations. AquaView works to communicate all aspects of pump station supervision and control and to fully integrate SCADA with pump station control.

AquaView generates alarms in the case of failures, logs data for reports, trends and events, and continuously monitors the status of pumps, mixers, valves and other electrical devices. The SCADA software delivers on-screen information through a series of simple graphic representations, beginning with an overview map tailored to site specifications. AquaView makes it easy to see exactly what's going on at a lift station. Users see a com-

plete graphic overview that show pumps and a range of alarm reports, conditions and trends.

### Costs and control

Because AquaView monitors trends centrally, many



ITT Flygt FMC AquaView



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## ROMTEC UTILITIES

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### Pre-engineered Package Lift Stations for Wastewater and Stormwater

#### The user-friendly control software that keeps you in the picture



#### Preventing problems

The analysis tools provided in AquaView allow station operators to predict where they may need extra capacity in the system, allowing them to tackle problems and

prevent accidents before they occur. In the event of an incident, AquaView will time- and date-stamp events through alarm reports and trends. All reports can be tailored and presented in a customized format.

#### An open platform

The FMC 200 or 400 Controllers communicate all data to AquaView. AquaView can communicate with different protocols supporting a number of existing SCADAs. All data collected is stored in a standardized SQL (Structured Query Language) database. AquaView is network ready and data storage can be made on a file server anywhere on the network. It offers you the advantage of flexibility – site owners

can expand a system step by step without locking into a single, set solution.

#### Reports and alarms

The report format of AquaView can be tailored to fit any lift station situation, with information displaying either as graphs for easy visual evaluation of trends, or as lists. Data can be retrieved when needed, and is stored as segments in day values. These values can then be compiled for presentation on a daily, weekly, monthly, quarterly or yearly basis. Any number of inputs and outputs can be monitored by the system, and the front panels of the FMC 200 or 400 pump controllers are user-friendly with self-instructive symbols. A wide range of alarms, ranging from overflow warnings to pump service indicators and pump failure, can be handled. Alarms are classified according to priority, and can be distributed as required (for instance, overflow warning alarms can be passed via modem to off-duty site supervisors in the case of an emergency).

#### A secure system

Managers can ensure that only authorized personnel gain access to the system

by giving each individual user a personal ID. Users may also be classified by groups, and access to all or part of the system can be configured as required. Flygt FMC controllers, coupled with AquaView software, create a seamless, powerful SCADA system for any wastewater or stormwater pumping application.

#### Accurate and reliable overview of pumping operations

A total package for optimum control... Complete range of pump controllers... Exact effective plant...



emergency service calls can be replaced by planned maintenance and service. AquaView's capacity measurements enable optimized protection, with pumps operating at stable, low levels. By optimizing the pumping operation, AquaView can help reduce the amount of onsite supervision, simplify service and maintenance and lower operational and service costs.

### FOR MORE INFORMATION:

Romtec Utilities is a dedicated integrator of submersible pumps and lift station equipment manufactured by ITT Flygt, a division of ITT Industries, Inc. Romtec Utilities' integrated lift station systems 6' and 8' diameter pre-cast concrete wet wells to 25' or 35' deep, with Flygt duplex or triplex submersible pumps, UL listed pump controls, pre-assembled valve vaults and Cummins/Onan standby generators. For more information, call Romtec Utilities at 541-496-3541 or visit our website at [www.romtecutilities.com](http://www.romtecutilities.com).