

PumpView3 Web-based Pump Control

Over 12,000 municipal pump stations use MultiTrove controllers...

Why not web-enable them?

PumpView3 enables you to connect to a new or existing MultiTrove pump station and carry out many of the functions of traditional telemetry without any of the risks - and for a much lower cost.

PumpView3 hardware is installed in the panel with either the MultiSmart Pump Station Manager or the MT2PC Family of pump controllers. PumpView3 equipment connects via a serial connection and sends regular status and alarm information to a MultiTrove managed web server via a cellular data network.

The web server stores all your information in a secure database and carries out 2 key functions:

1. Sends specific alarm notification via SMS, email or (in the USA only) voice to each user on the alarm list (until the alarm is acknowledged)
2. Generates web pages enabling customers to log in and view the status of their whole network, see the detailed status of all pump stations, change individual pump status (hand/off/auto) and clear alarms.

You can check well levels, view fault status, reset pumps and alarms, and view historical data.

See the technical specifications for more details, including how to determine if you have coverage at your pump station.

Site visits cost time and money

Traditional pump station control and monitoring is expensive and time-consuming. When something goes wrong, someone has to visit the site, identify the problem and fix it. Ignored too long, a pump problem can mushroom into an environmental nightmare - and nobody can afford that!

Why are over 12,000 municipal pump stations equipped with MultiTrove controllers?

Working with water and sewerage authorities, MultiTrove has addressed many monitoring and control issues with a range of pump controllers designed to sense problems, identify them and, in many cases, correct them without a site visit.



PumpView3 – Your 3-Step Solution

When a problem occurs, 3 things must happen: You need to know about it. You need to identify the problem. You need to fix it. PumpView3 addresses all of these things, and more:

1. Alarm!

Immediately when a problem occurs, PumpView3 sends a specific alarm notification via mobile phone, SMS messaging or e-mail to each user on the Alarm List in turn, until the alarm is acknowledged via web site access or SMS.

2. What's the problem?

PumpView3 generates web pages so you can view the entire network's status. Alarms are highlighted, making it easy to check pump station levels, which pumps are down, which pumps are still available, etc. In moments, you quickly diagnose the cause of the problem.

3. How do I fix it?

With PumpView3, you have many of the functions of traditional telemetry at your fingertips. Quickly and easily clear alarms, reset pumps or change individual pump status from auto to manual (hand) or off.

In addition, the system is being expanded to deliver a broader range of historical data that can forewarn of impending problems with pump motors, electrical supply or predictive blockages and serve as the basis for a proactive maintenance program.



MultiTrod's pump controllers were designed to suit the specific needs of municipal authorities. They are simple, user-friendly modules with a range of measurement and control factors that allow supervisors and engineers to monitor just about every aspect of pump activity.

Powerful, Yet Simple

Besides direct operational benefits, MultiTrod also eliminates the technological hassles of running your own system. Many cities do not have the resources required to continually update software, train personnel and write programming code.

PumpView3 takes care of all of that for you! There's no software to install. There's no server to maintain. There's no programming to do. MultiTrod runs the server system that collects, analyzes and presents all your pump station network data on private and secure web pages. We'll take care of your monitoring and database functions, leaving you free to address other issues. When you're ready for it, your information is there – whatever you want - whenever you want it - from wherever you are.

Monitoring Fee vs. Capital Investment

Why spend your capital investment on a SCADA system, investing your valuable budget dollars on expensive servers, software, upgrade, training, documentation, support and high-priced consultants?

MultiTrod is ready, willing and able to provide you with a simple and secure option – all for a minimal monthly fee.

Benefits of Outsourcing

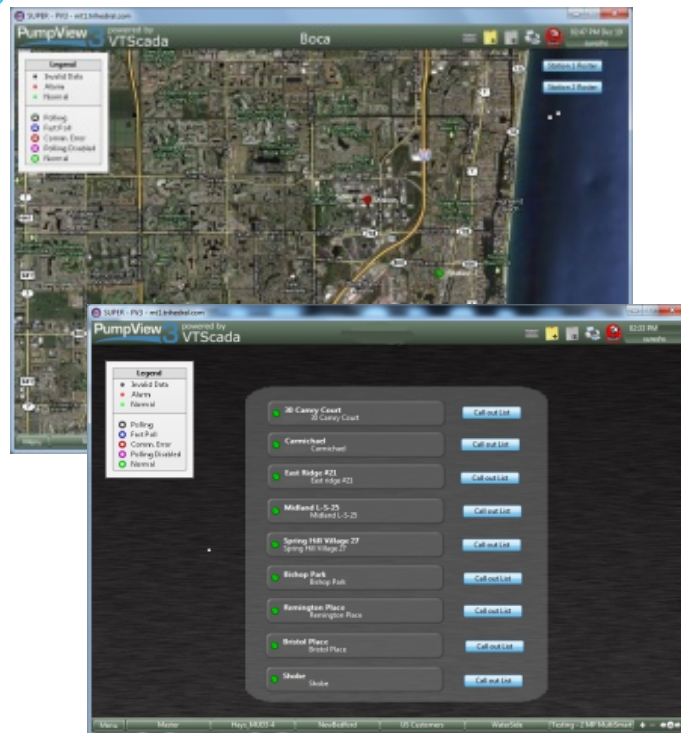
Outsourcing noncore business processes has become standard practice for governments, utilities and corporations worldwide. Benefits include cost savings, improved quality of data, complete network knowledge, reduced site injury, increased energy consumption – not to mention the benefits of MultiTrod's 20+ years of industry experience!

Security and Privacy

VPNs protect data traffic over the internet, and SSL security on the web browser ensures that no one can view the web pages you see. Nobody has access to your data unless you allow it. Data is stored on secure servers available only via password.

24/7 Monitoring

Our servers are secure, backed-up and hosted by one of the most secure web hosting facilities in the world. The data center has technical and security staff on site 24/7. Each element of the system is backed-up from internet connections to power systems. Server management and data transmission costs are all included in your monitoring fee.



PumpView3 Reports

PumpView3 administrative users receive daily reports emailed in .csv format including:

- Hours Run & Starts Accumulators
- Fault Report - date/time stamp, fault active/inactive, pump station
- Alarm Log - all user alarm interaction including when each user was notified, by what method (email/SMS/voice), who noted the alarm
- User Interaction Log - all user interaction with their remote sites

MultiTrod Inc - USA

990 South Rogers Circle, Suite 3
Boca Raton, Florida 33487
Tel: 561 994 8090 Fax: 561 994 6282
USsales@multitrode.com

MultiTrod UK

Watermark Innovation Centre, Unit 5
Erme Court
Ivybridge
Devon PL21 0SZ
Tel: +44 1752 547355 Fax: +44 1752 894615
UKsales@multitrode.com

MultiTrod Pty Ltd - Australia

Brisbane Technology Park
18 Brandt Street
Eight Mile Plains
Queensland 4113
Tel: +61 7 3340 7000 Fax: +61 7 3340 7077
AUSales@multitrode.com

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