

Tank and Well Control System

The Aquavx Tank and Well Control System is an efficient and cost effective control solution for monitoring level and for controlling up to 16 remote pumps. Inter-site communications reside in the local Aquavx Scout hardware, not the Cloud, utilizing a virtual secure private network via a national cellular network.

✓ Affordable

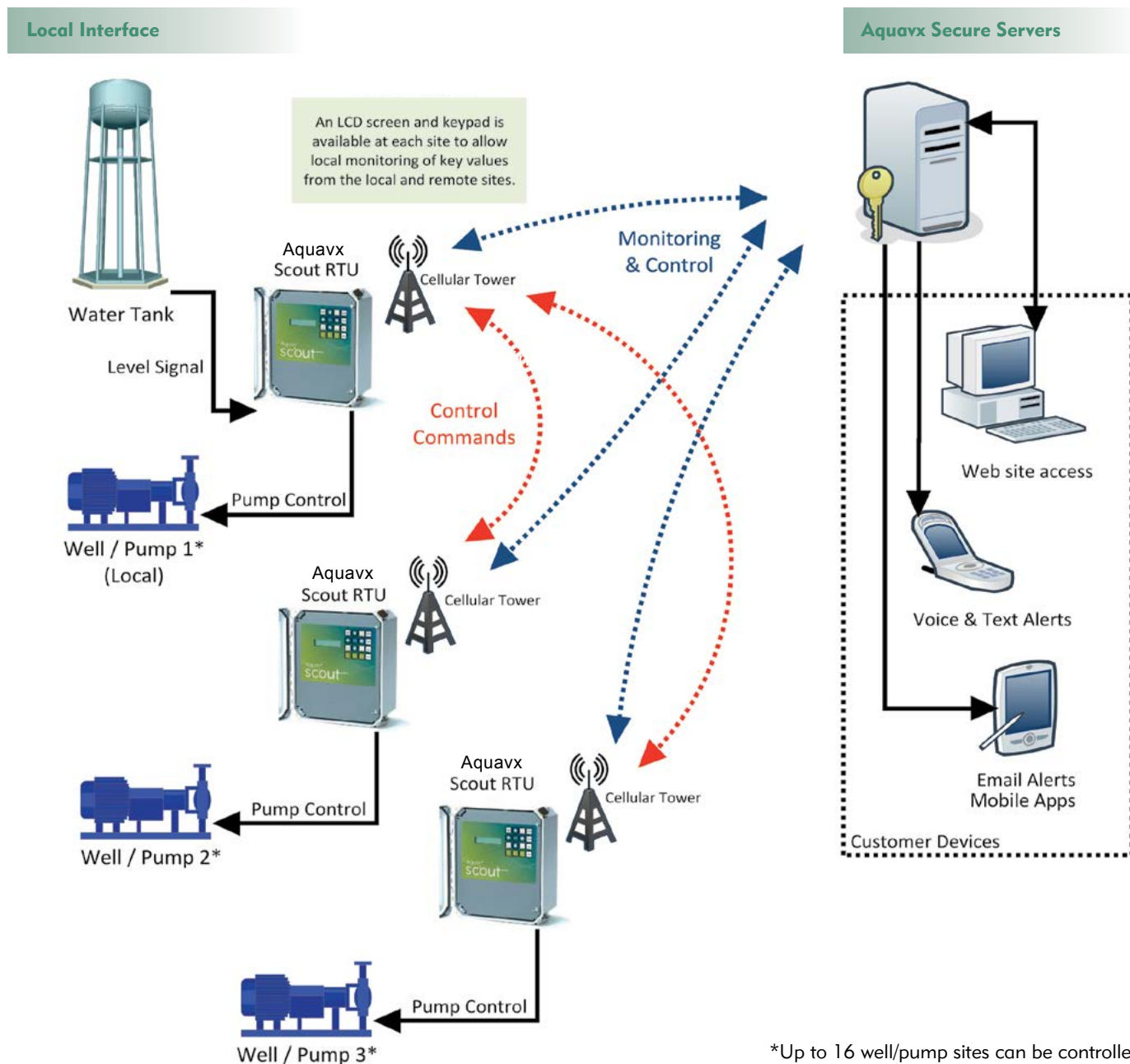
✓ User Friendly

✓ Easy to install

✓ Uses a secure private network

Why choose SCADA when Aquavx is a fraction of the cost?

✓ No radio systems or phone lines to maintain



Proven technology

The Aquavx Tank and Well Control System uses the tried, tested and proven Aquavx Scout RTU at the tank site and at each well/pump site. At the tank site, the RTU monitors the tank level and transmits the information to the well sites. At each well/pump site, the local RTU controls the pump(s) based on the tank level and the on/off set points for that particular site.

Controls up to 16 remote pumps

The Aquavx system can control up to 16 remote pumps and each site can have distinct on/off set points allowing pump controls to be prioritized.

View system status on local display

The status of any well can be monitored from the tank location. On/off set points can be adjusted locally. The tank level can be viewed from any well location.

Web monitoring and control

Management and field personnel can monitor the control system via the Aquavx website or locally from the hardware, in addition to controlling pumps remotely from the website, if desired.

Flexible alerts

The system can also alert staff via voice, text or email if problems occur, such as:

- High/Low water alarms
- Pump Failure alarms
- Pump Run Differential alarms
- Pump Run-Time alarms
- Rate of Change alarms
- Power Fail alarms

The extensive input selections on the Aquavx Scout hardware allow for a wide range of sensors to be connected to address various alarm conditions. Any alarm notifications or reports include the actual value of the analog inputs.

Control and reporting!

In addition to the pump controls, the Aquavx Scout system provides the monitoring and reporting of data, such as the following parameters:

- Pump Run-Times
- Pump Starts/Stops
- Level

Custom reports based on a specific time period can be automatically emailed on a scheduled basis or via On-Demand. Historical data is also available on the Aquavx website.

Internet and cellular communications

- Direct tank to well communication within the Scout hardware ensures that important control functions are not dependent on internet connectivity.
- Built-in fail safe features in the event of cellular communications loss.



Data is communicated locally from the Aquavx Scout hardware via wireless networks to the web interface monitoring system.

The base Aquavx Scout model includes:

- 10 digital inputs
- 4 analog inputs
- 2 relay outputs
- 20 digital / 30 analog Modbus RTU inputs
- 8 Modbus RTU digital outputs
- RS485 or RS232 communications
- Peer to peer modem
- Omni antenna
- 2 year warranty

Representative

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