

intelli^Ushed™

SERVER CONTROL SOFTWARE

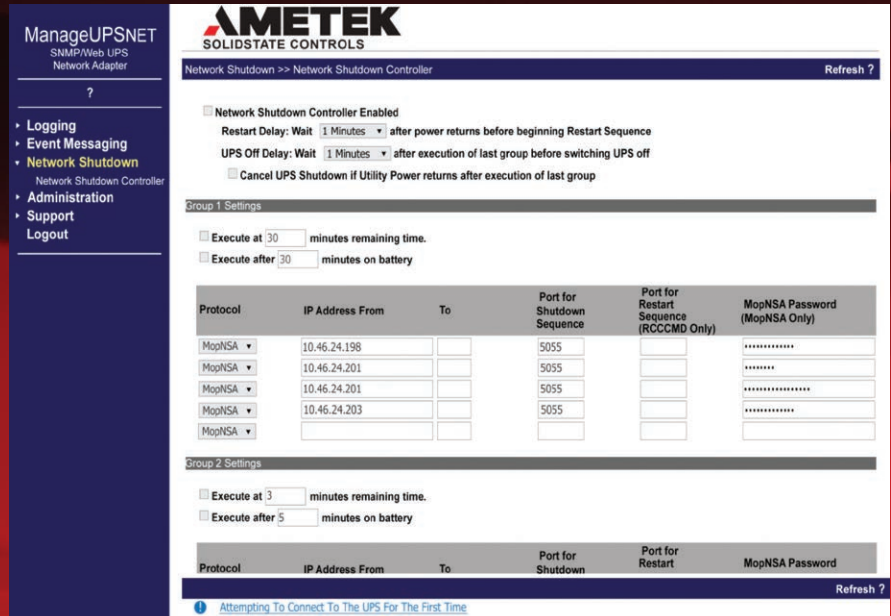
Maintain control of the most complex remote pumping stations with state-of-the-art server control software. This enhanced UPS software is designed to help operators maintain control of complex remote pumping stations. The software is equipped with the following capabilities:

- Control of up to four groups of four servers (16 total)
- Ability to shutdown servers in a predetermined order
- Ability to test server shutdown functionality from the front panel of the UPS and/or Web interface
 - Alerts based on customer preference
 - Retrieves 2000 Event Data Log over Ethernet and TCP/IP using a Web interface
 - Total system time synchronization – Network Time Protocol (NTP)

Unsafe Shutdowns Pose Problems

Improper sequencing of pump valve shutdown protocols can lead to problems such as valves not activating, causing a rupture in the pipelines.

As the UPS approaches the system design life of the backup battery duration and eventual power loss, many if not all of the control systems deployed at a pumping station and/or pipeline control mechanism may malfunction.



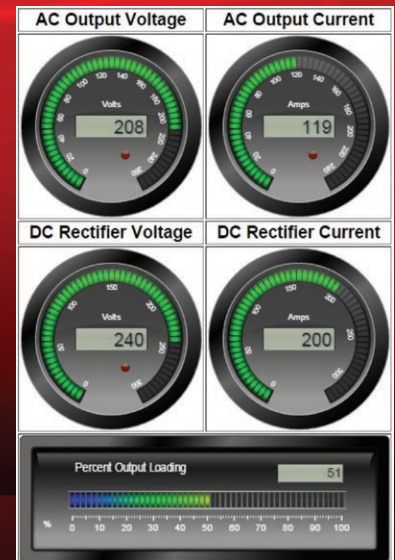
Dashboard allows for full control of all server protocols

The Solution

AMETEK Solidstate Control's IntelliShed provides the UPS system with the capability to monitor your system and control server shutdown protocols based on real time information of true battery life.

The new software package allows users to program battery specifications and calculates, in real time, the estimated battery time remaining during the UPS backup operation (battery discharge cycles). The UPS communicates constantly with all servers in the circuit and if a backup power situation arises, the UPS will determine when, and in what sequence the servers are to power down.

As a failsafe mode, the UPS also times out servers based on a pre-determined time interval to eliminate any chance of premature server power failure.



IntelliShed's real time system monitoring

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