

# Automated Pumping System

## TAKING THE GUESSWORK OUT OF WATER MANAGEMENT

### Overview

Today's shale fracturing demands have stretched the abilities of legacy pumping systems to the extreme edges of the performance envelope. The higher fluid volumes required and the growing re-use of produced water create inherently complex water transfer operations. With our Automated Pumping System, you can control and monitor fluid delivery in real time while adding a more responsive and effective level of safety to mitigate unplanned events. The TETRA Automated Pumping System effectively optimizes water transfer operations while significantly reducing risks.

### Features

- Monitors all engine data points, pump speed, discharge/inlet water pressure, water temperature, flow rate, flow totalizer, fuel level
- Configurable high/low level pressure protection thresholds
- Cellular-based communications
- Local, untethered operational control and fail safes
- Web-based aggregate pump train dashboard for control and monitoring
- Data trending and logging

### Benefits

- Access to real-time water and pump data anytime, anywhere
- Visibility and assurance of water supply
- Optimization of fuel consumption
- Improve operational efficiencies
- Protects system against pressure events
- Operate more efficiently with fewer people

### Technical Specifications

Monitoring Capability	all engine data points, pump speed, discharge/inlet water pressure, water temperature, flow rate, flow totalizer, fuel level
Max. Working Pressure	200 psi
Footprint	Hard-mounted to pump
Power Requirement	Pump-powered (12V/24V)

