

Ovation™ Compact Controller

Scalable Controller Designed for Small-Scale Water and Wastewater Applications

The Ovation™ compact controller, model OCC100, provides a robust automation solution with a smaller footprint for processes and equipment traditionally controlled by PLCs. The controller's modular design can be scaled down for standalone, skid-mounted equipment or natively merged into a larger plant-wide Ovation distributed control system. Built-in wide-area-network capability, using cell or wireless communication technologies, helps cities and municipalities cost-effectively manage vital distributed assets.



Reliable

Enables "set-it and forget-it" control solutions for smaller applications, providing the same reliability as Ovation systems for larger plant applications.



Secure

Native security features enhanced by comprehensive cybersecurity services and solutions help protect assets against threats.



Scalable

Flexible layout and I/O placement options enable installation in space-constrained areas or existing cabinets.



Rugged

Designed to meet wider operating temperature specifications, allowing for placement close to field equipment or in harsh environments.



Integrated

Perfect for geographically dispersed assets that require a standalone system or remote communication with an existing Ovation host.



Trusted

Comprehensive lifecycle support from a single, trusted and stable vendor with a history of long-term customer service in the water and wastewater industries.



The Ovation OCC100 controller is poised to help cities and municipalities harness the benefits of the Industrial Internet of Things (IIoT).

Flexible Automation Solutions for Water



The Ovation OCC100 controller cost-effectively extends the proven Ovation platform from large-scale, more traditional control operations to small-scale applications and widely distributed assets. The fit-for-purpose controller is particularly well-suited for cities and municipalities with growing and diverse portfolios.

While ideal for secure, reliable and direct control close to field devices or plant equipment, the OCC100 controller also addresses applications for a wide variety of water and wastewater processes. By eliminating PLC-based islands of automation, the Ovation OCC100 controller provides data integration capabilities necessary for optimal operating efficiency.

Wastewater Treatment

- Pump stations
- Effluent pumps
- Flow equalization and splitting
- Chemical addition and mixing
- Preliminary treatment
- Influent handling and screening
- Grit handling and removal
- Primary sedimentation tanks
- Secondary treatment
- Aeration blowers
- Disinfection
- Dechlorination
- Tertiary treatment
- Solids and solids return sidestream treatment
- Digester gas
- Electrical
- Plant heating, ventilation and air conditioning
- Plant auxiliary utility processes
- Odor control

Water Treatment

- Pump stations
- Raw water tanks
- Flow equalization
- Filters
- Coagulation
 - PH adjustment
 - Polymers
 - Disinfection chemicals
- Flocculation
- Clarification
- Storage tanks
- Disinfection inline with ultra violet
- Disinfection
 - PH adjustment
 - Corrosion inhibitors
 - Fluoride
- Storage
- Distribution

