



**SPARTAN  
CONTROLS**

Experience Industrial Innovation

INDUSTRY APPLICATIONS

## **Bulk Water Distribution Solutions**

Discover Spartan Control's turnkey  
bulk water solutions

# Simplify Bulk Water Management



### Position Truck

The driver positions the truck and connects their hose to the dispensing arm



### Identification

The driver identifies themselves to the system using a key code or FOB



### Enter Quantity

A screen prompt will ask for the desired amount of water to be dispensed



### Fill as Required

Once approved, the water will begin to flow and be measured on the screen



### Complete Transaction

The user can wait for the entered quantity to finish or press the stop switch early



### Automated Billing

The measured amount of water is then changed against the user's account

## SPEND LESS TIME MANAGING WATER ACCOUNTS

Potable water distribution is a service that municipalities provide to dispense large volumes of water to different users within their district. Users such as construction, landscaping, water haulers, hydro-vac, trucks, contractors, landscapers, residents using wells, farmers, and city departments.

## We are driven by creating an experience that delivers results from your business and for your consumers

The time that municipal staff spends facilitating the transfer of bulk amounts of water can be excessive, while managing hazards created by the unauthorized use of hydrants and potential contamination.

The Spartan Bulk Water System provides a central regulated place for Customers to take water and have their usage tracked and billing completed automatically.

## BW-SM300 Modern Control

The Simcom terminal propels your business forward by creating and delivering new value to managing bulk water dispensing and reporting. Utilize the Simcom web-based software to make instant business decisions on the fly with real-time information. Manage one location or several locations from anywhere in the world. Simcom is hosted securely in the cloud in Canada.



### Real-time Transactions

See transactions as they happen or review past records through a convenient online portal.



### Remote Updates & Management

Ensure that the latest updates are installed by pushing remotely to web enabled kiosks.



### Rugged & Secure Terminal

Proven to work through inclement harsh weather and tamper proof to prevent unwanted changes.



### Comprehensive Reporting

### Web-based Software

The Simcom unit is remotely configurable, eliminating manual processes with automated tasks. Any new features are easily added as your operations grow and needs change.

### Web-based Software

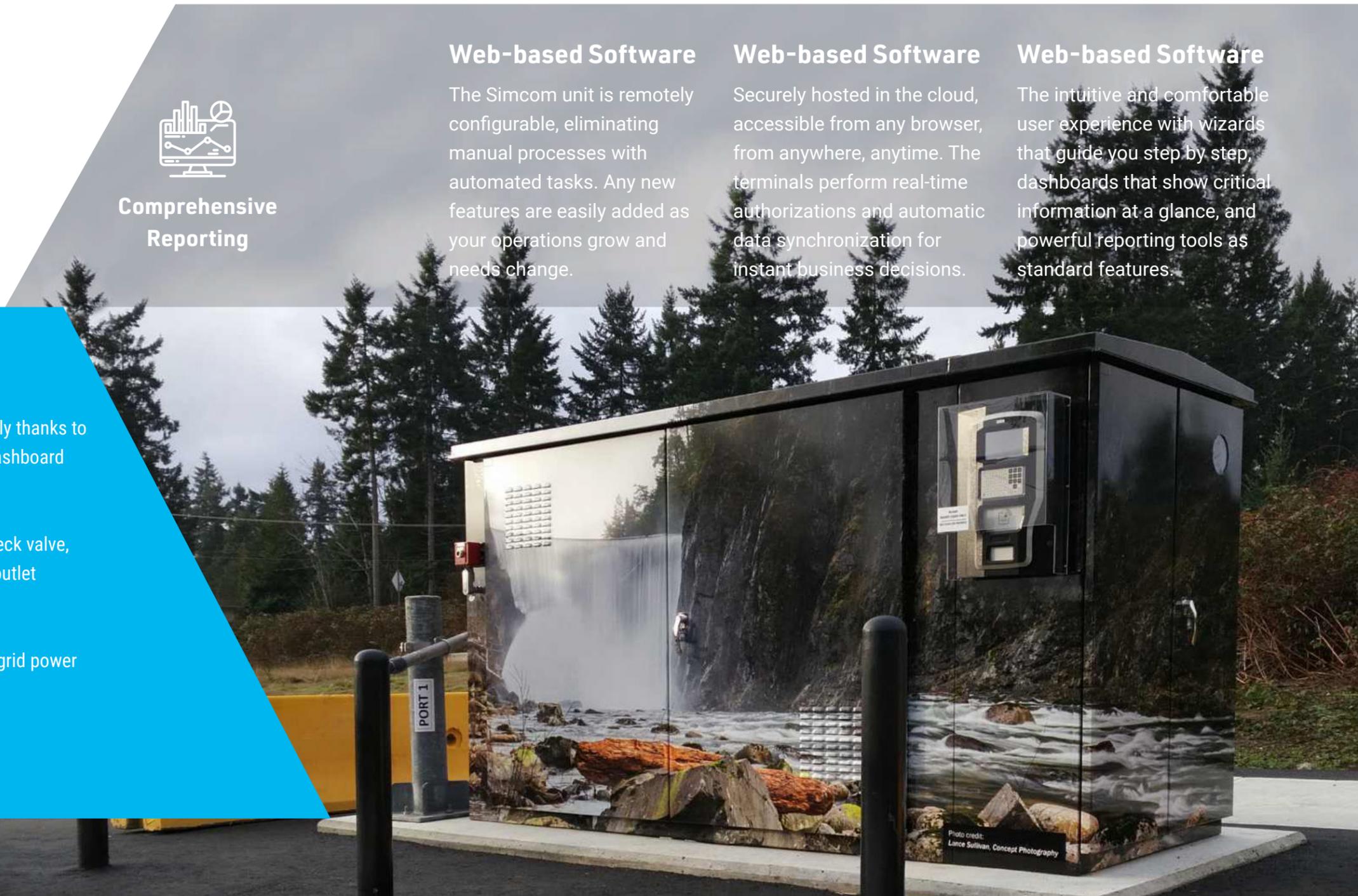
Securely hosted in the cloud, accessible from any browser, from anywhere, anytime. The terminals perform real-time authorizations and automatic data synchronization for instant business decisions.

### Web-based Software

The intuitive and comfortable user experience with wizards that guide you step by step, dashboards that show critical information at a glance, and powerful reporting tools as standard features.

## Features

- Terminal** Simcom  
View, report on and share dispensing data immediately thanks to true real-time transaction records through the user dashboard
- Flow** 10 to 300 GPM  
Featuring a 4" Inlet with an isolation valve, double check valve, automated globe valve, a magnet flow meter, and 3" outlet
- Power** 120VAC, 60hz  
The junction box can be upgraded to a line meter for grid power with a breaker panel for power distribution
- Heat** Cold Weather  
Rated for +10°C with options for -10°C to -40°C





### Accurate Water Usage Data

Convenient management and easy configuration through its on-screen menu.



### Prevent Misuse or Theft

Theft resistant, with a rugged, corrosion resistant, lockable steel enclosure.



### Rugged & Secure Terminal

Can operate year-round and in extreme weather conditions.

## BW-FL300 Simplicity

The FLEET terminal offers easy-to-use water management solutions for smaller sites where you have up to 1,000 Customers and don't need to provide receipts. Access is granted by RFID cards or keypad codes. Transactions are easily retrieved on demand from the unit, while management software is an optional add-on to enable reporting and invoicing.

### Remote Communication

Ethernet connectivity supporting both static IP and DHCP modes makes integration to your network a snap.

### Transaction Data Capture

When you combine the FLEET with the Card lock Management Software, you'll get maximum performance, flexibility, and reporting capability with the minimum of effort.

### Multiple Measurements

Liters, gallons, kilos or cubes all provide accurate measurements for different locations.



**Quick configuration and data downloads by USB**

### Features

<b>Terminal</b>	FLEET To start a transaction, either the keypad or FOB system can be used to identify the user
<b>Flow</b>	10 to 300 GPM Featuring a 4" Inlet with an isolation valve, double check valve, automated globe valve, a magnet flow meter, and 3" outlet
<b>Power</b>	120VAC, 60hz The junction box can be upgraded to a line meter for grid power with a breaker panel for power distribution
<b>Heat</b>	Cold Weather Rated for +10°C with options for -10°C to -40°C



# Quality Components

## We have you covered when it comes to ease of maintenance

Quality components expertly assembled for an industry leading reliable product.



Emerson process management is where technology and engineering meet to create solutions for the benefit of our customers, driven without compromise for a world in action.



Our unique partnership with Mueller enables us to connect our Customers with world-class technology, superior technical expertise and full life cycle services.



Computrol is a Western Canadian manufacturer of industry leading terminals for the custody transfer of liquids. If you have an issue or problem, they are there until it is resolved – to your satisfaction.

## System Components Made to work together

**Singer™ 106-RPS-SC-AC**  
Pressure Sustaining Valve



The pressure sustaining valve uses a solenoid override and anti-cavitation trim to open and dispense water from 100+psi to atmospheric pressures with a tunable flow.

**Rosemount™ 8750**  
Magnetic Flow Meter



The 8750W Magnetic Flow Meter reduces life-cycle costs and unplanned shutdowns by accurately measuring water and wastewater flows in a variety of utility applications.

**Pratt® 2FII AWWA**  
Butterfly Valve



The Pratt® 2FII AWWA valve features seat-on-body design for maximum longevity, self adjusting packing, lifetime bearings, streamlined discs and heavy duty bodies.

**Pratt® 2 WCV**  
Combination Valve



The Pratt® WCV acts as both an Air Release Valve and Air Vacuum Valve. The Combination Air Valve also vents small pockets of air that accumulate after the line is filled.

**ASCO™**  
Series 8320



ASCO3-way solenoids are the most widely used solenoid pilot valves in the world and have been proven in the harshest environments in many industries.

**Winter PFQ-ZR**  
Pressure Gauge



Winters Instruments manufactures industry leading products such as the PFQ-ZR, a dampening design that does not need to be filled with liquid

**Watts® LF909**  
Double Check Valve



The LF909 back flow preventer is designed to prevent the reverse flow of liquids in a system due to back-pressure or back siphonage where there is a potential health hazard.

# Service Locations

## With Local Support



### Local Service

Our team of trained and certified field experts know and understand the requirements needed to commission and maintain your bulk-water system.

Locally based and available 24/7 our service team is there when you need them most. Comprising of 209,000 sq. ft, the largest of its kind in Western Canada, our Edmonton Automation Centre provides unmatched breadth and depth of support to our Customers.

With over 60 years of experience Spartan Controls is a leader in the field of automation.



**Regional Support Centres**



**Maintenance & Manufacturing**



**On-site Installation & Training**



**Preventative Maintenance Agreement**



**Phone Support**



**Project Management**

### 01 Field Services On-Call 24/7

Spartan Controls has built a strong reputation from our Customer First mindset. We provide a full suite of services to support our Customers and ensure the reliability and performance of assets while meeting regulatory compliance.

### 02 Life-cycle Service Support

We provide complete turn-key services and problem-solving to assist you every step of the way. From pre-installation services to on-going maintenance and support, we have the expertise to ensure your kiosk runs at ideal operating conditions.

### 03 Start-Up & Commissioning

With technicians all across Western Canada, our experienced technicians provides on-site training for the installation and commissioning, operation, and maintenance of all of our products and solutions.



**Experience** Industrial Innovation

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