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# Leveraging Technology for Bulk Water Sales and Wastewater Discharge

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# Topics

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1. A Story
2. Common Practices
3. Challenges & Overview
4. The technology
5. How it works
6. How it can help you

# Common Practices

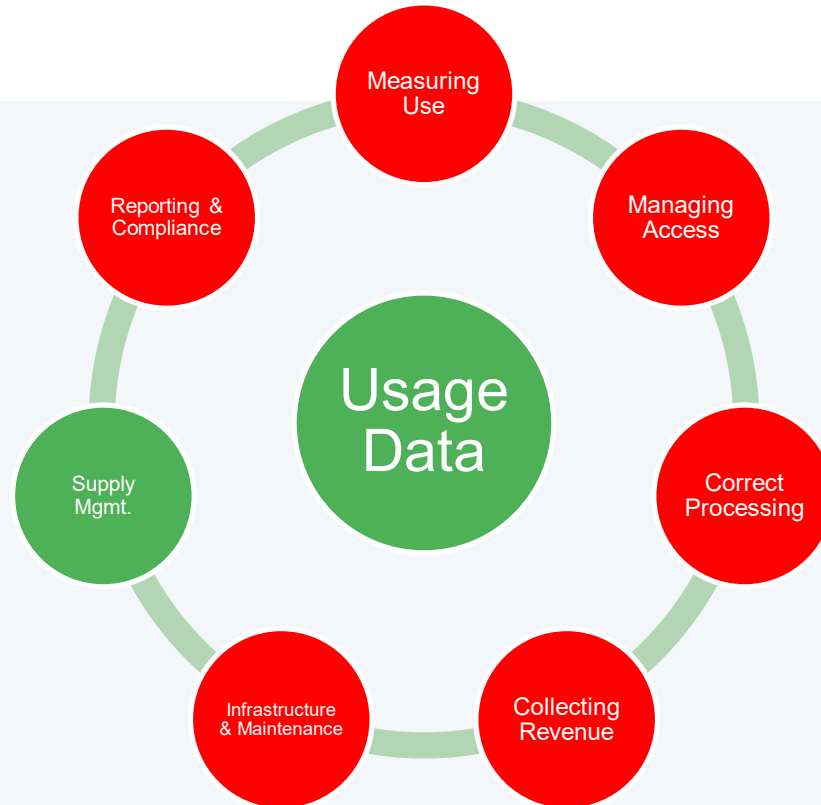
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- Hydrant/Free access
- Honour system
- Keys /pre-paid tokens / coins
- On-site Attendant
- Antiquated system



# Key Challenges

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# Water Management System – An Overview



Bulk Water Dispensing or  
Wastewater Receiving



Interface & Software



Customers Self-Serve



Share Data





Records Key Data



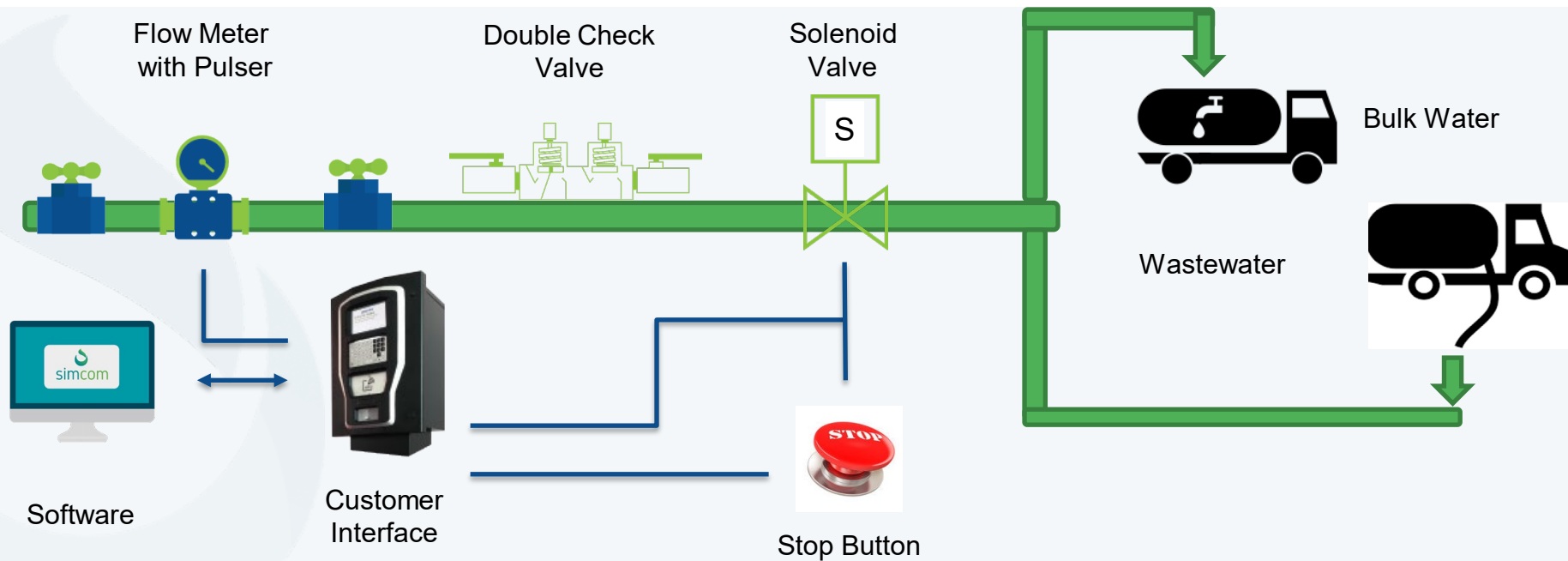
Manage Multiple Sites

# Leveraging a Proven Technology

- Restrict access 
- Records key data accurately: **Who, What, When, Volume** 
- Shares data with accounting systems
- Manage multi-terminal operation from one management software



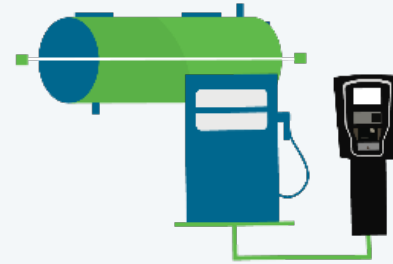
# How it Works



# Common type of communications

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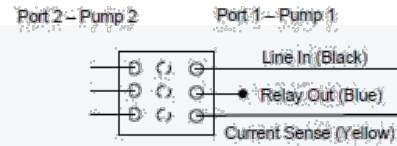
- Wired Ethernet/ Serial
- Wireless Ethernet/ Serial
- Cellular Modem
- USB stick



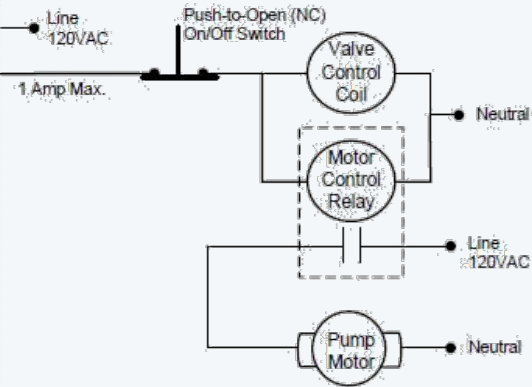


# Typical Electrical Wiring

## 1. Computrol Pump Control Plug (Bottom View)



## Typical Water Control Wiring

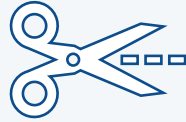


## 2. Pulser Connections and Wiring (Channel 1 shown)



Typical pulse rates are 10:1, 100:1 where 10 or 100 pulses per unit of measure is provided

# Why use a water management system



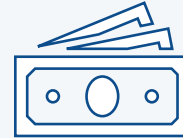
Reduce administrative overheads



Accurate transaction data

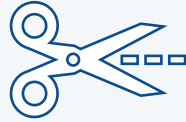


Drive sustainability goals



Earn revenue with minimum effort

# Why use a water management system



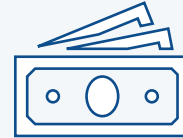
Reduce administrative overheads



Accurate transaction data



Drive sustainability goals



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# How a water management system can help you

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It can help you reducing your administrative overheads

- 24/7 Self-service
- Knowledge and trends
- Allows preset volumes
- Accurate billing on account
- Pre-paid credit via Online Portal
- Ensuring compliance
- Limits and Quotas
- Revenue Generation



# Typical Installations

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City of Nanaimo, BC



City of Abbotsford, BC



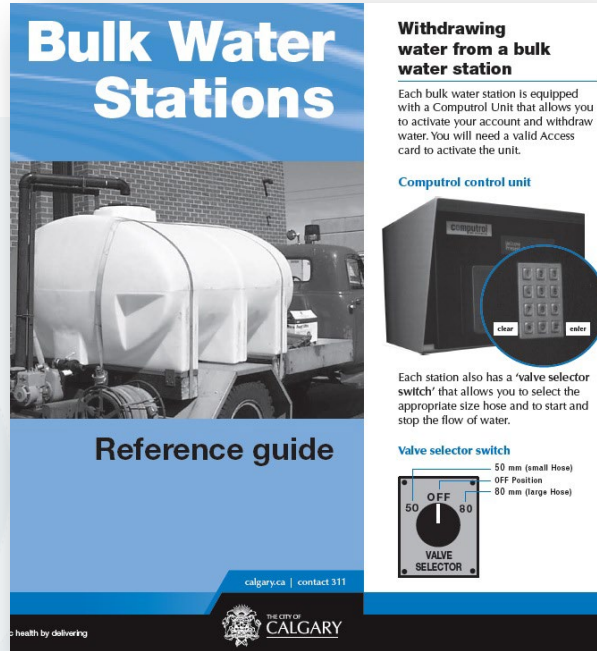
# Typical Installations

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## Regional Municipality of Wood Buffalo



# Typical Installations



5 Stations in  
City of Calgary, AB

Truck Fill Station  
County of Lethbridge, AB



# Q & A

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