

# GO DIGITAL OR GO DARK





# ABOUT SanEcoTec



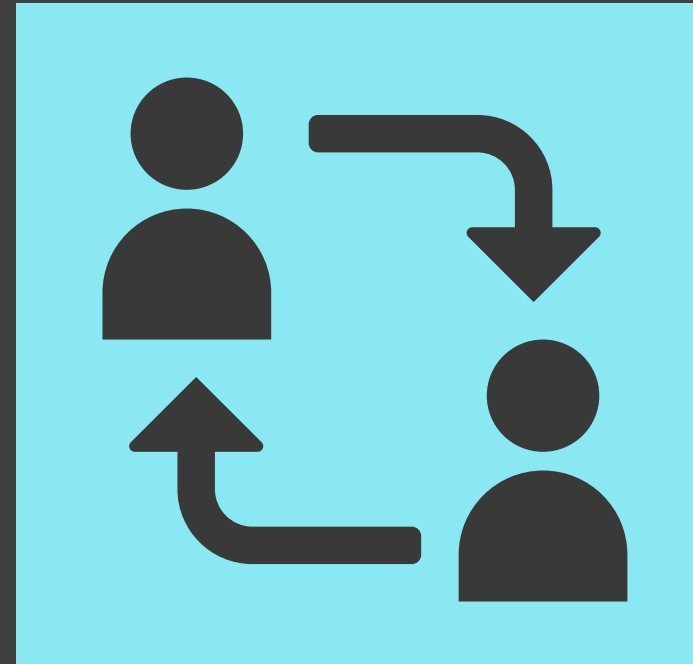
# A RELENTLESS PURSUIT TO REDUCE WATER RISK





SCIENCE-BASED  
SOLUTIONS-FOCUSED

04



PEER-REVIEWED



FIELD-TESTED



WATER IS FINITE

# WATER IS A HUMAN RIGHT



A black and white photograph of a row of water faucets. The central faucet is in sharp focus, with a small stream of water dripping from its spout. The other faucets in the row are blurred in the background. The image is overlaid with white text and a bullet point.

WATER  
TREATMENT  
IS THE  
WORLD'S  
MOST  
IMPORTANT  
HEALTH CARE  
UTILITY...

- Potable water is free of contamination and is safe to drink, safe to use in food preparation and safe for personal hygiene.

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# Key Components of a Healthy Water Profile

## 1. Microbially and Chemically Safe

- Disinfection efficacy
- Biofilm control
- Stability in variable conditions
- Guideline compliant

## 2. Healthy

- Balanced in minerals and pH
- Resilient water with trace elements
- Free from disinfection by-products
- Free from all toxins

## 3. Aesthetically Pleasant

- Odourless
- Colourless appearance
- Good tasting

## 4. Environmentally Sustainable

- No toxic by-products
- Not wasteful
- Compatible with life



# The Global Water Crisis: FOLLOW THE MONEY...

- \$1 trillion operating cost annually - and growing
- Still not addressing infrastructure funding gap:
  - \$120 billion Canada
  - \$15 trillion globally
- Investors are nervous...



# NEW DIVIDENDS ARE NEEDED...

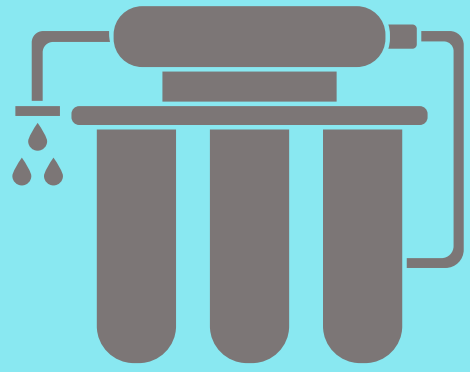
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- Improved vigilance, compliance and reporting
- Improved food supply chain biosecurity, integrity and resiliency
- Positive environmental and social impact
- ***This*** is what investors are looking for to close the infrastructure gap!

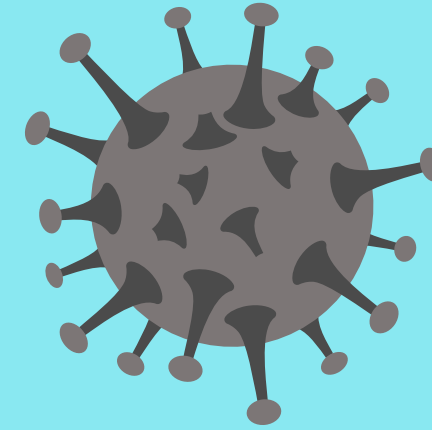


WATER QUALITY AND  
TREATMENT OFTEN DO  
NOT CONSIDER THE  
BROADER IMPLICATIONS





AGING WATER  
INFRASTRUCTURE



EMERGING  
PATHOGENS

# EMERGING ISSUES

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EMERGING  
CONTAMINANTS



CLIMATE CHANGE

# THE GLOBAL ISSUE REQUIRES A LOCAL SOLUTION

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WATER IS ALWAYS LOCAL

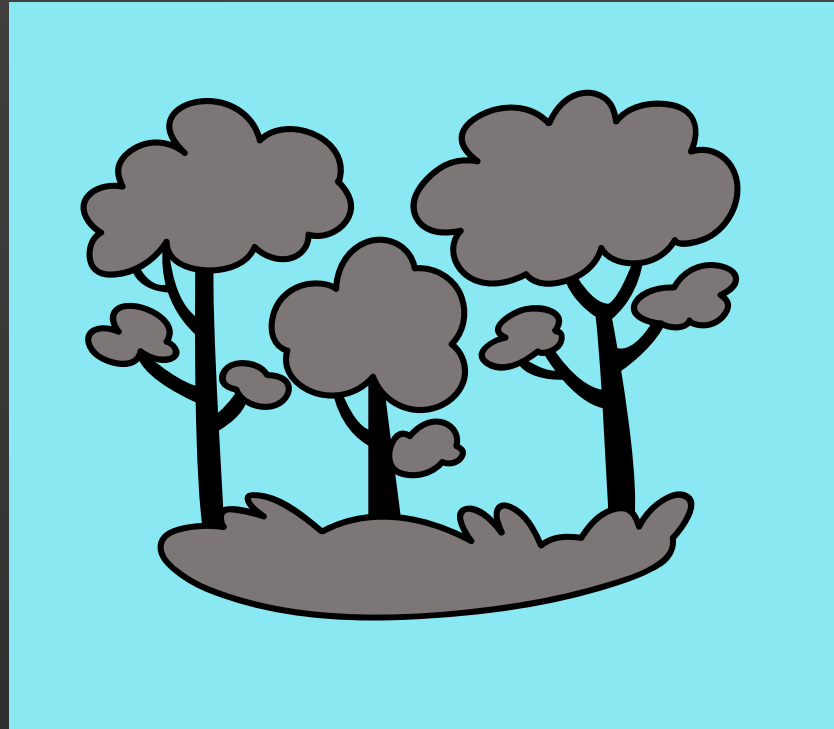


Adoption of new water technology is slow due to poor understanding of true cost of water.



# NEED OF THE HOUR IS A SYSTEMS BASED APPROACH

SUSTAINABLE  
DEVELOPMENT



COMMERCIAL  
ADVANTAGE

# INNOVATION IS STIFLED BY REGULATORY STAGNATION







# CASE STUDY: MUNICIPAL CLIENT 1

- High disinfection by-products
- High water usage
- Extensive Flushing
- Corrosion concerns

# CASE STUDY: MUNICIPAL CLIENTS 2 and 3

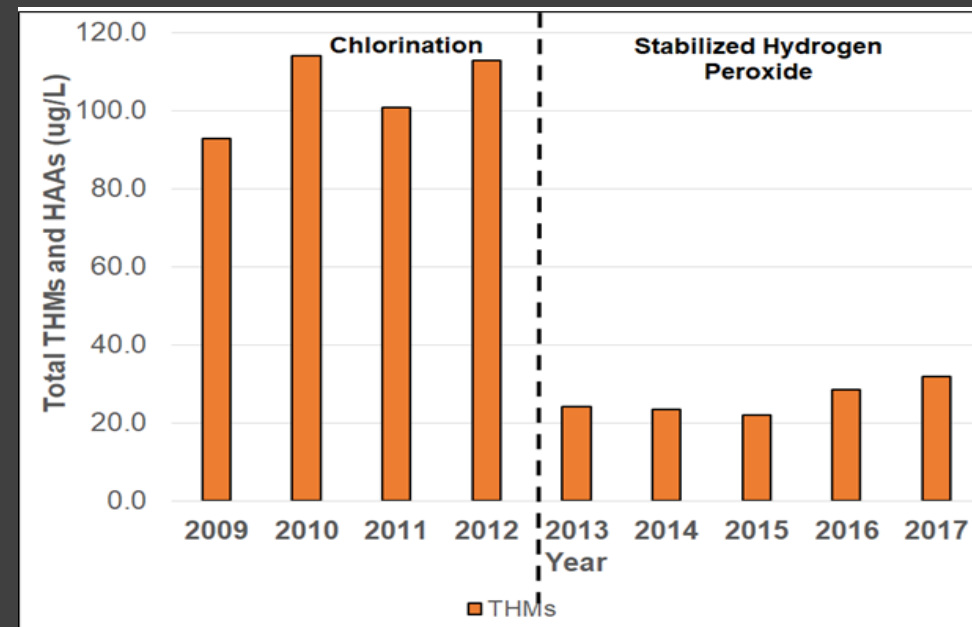
- High disinfection by-products
- Extreme water usage
- Extensive flushing
- Heavy metal absorption
- Aggressive water and leaks



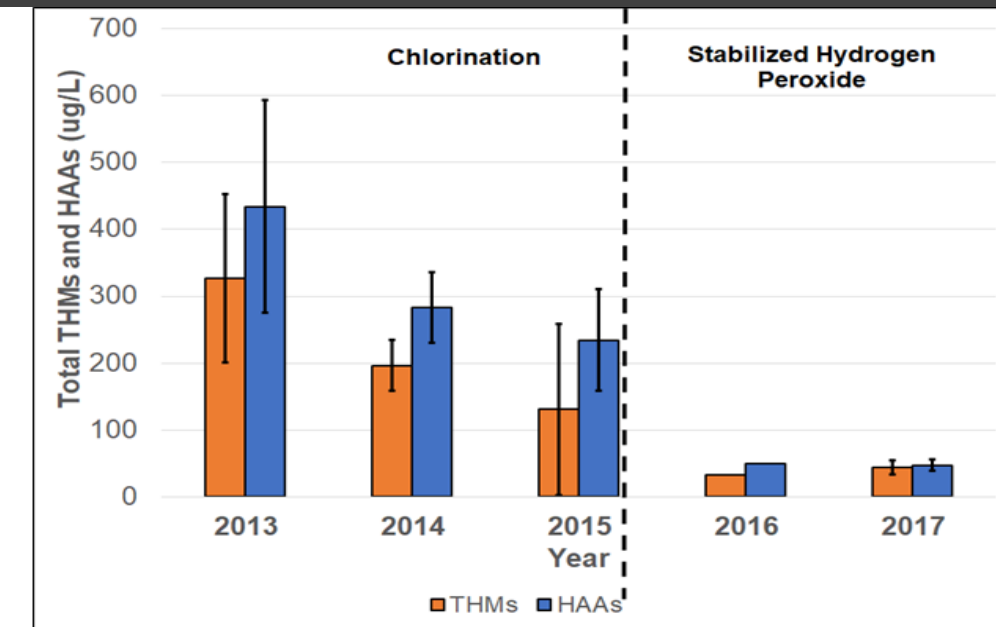
# PROCESS OPTIMIZATION REDUCING DISINFECTION BY-PRODUCTS BY 80% AND ENERGY COSTS BY 15%

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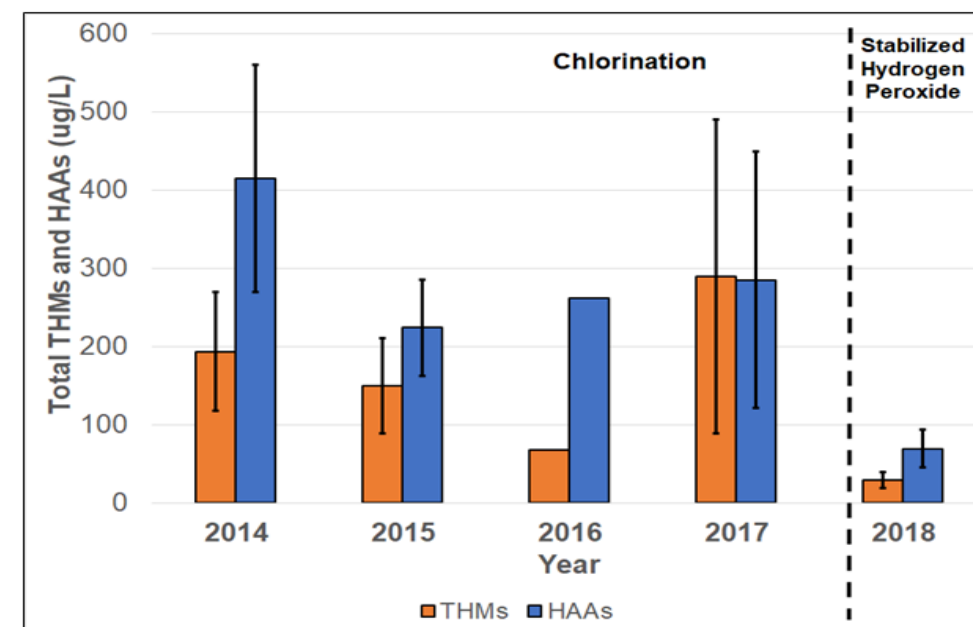
Town 1



Town 2



Town 3

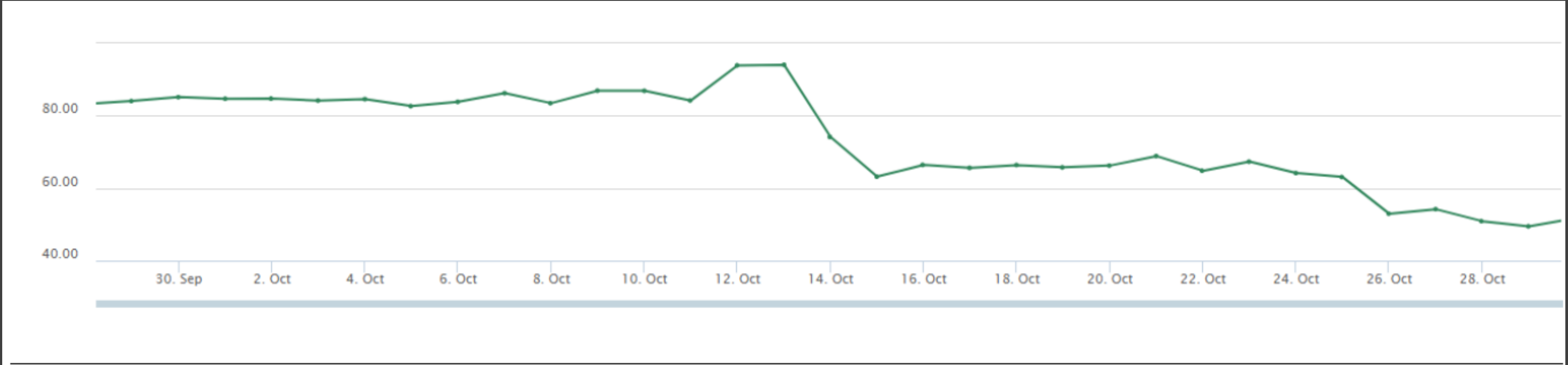


# DIGITAL ADOPTION OUTCOMES



The pressure of the water tower went above the usual range – digital integration detecting and preventing leak

# PROCESS OPTIMIZATION



Water use and flow after digital integration and optimization



# CASE STUDY: GREENHOUSE

- Single use water
- Extensive use of chemicals
- Disease pressures and resistance



- Water re-use
- Reduction in chemicals and energy
- Control of disease pressures



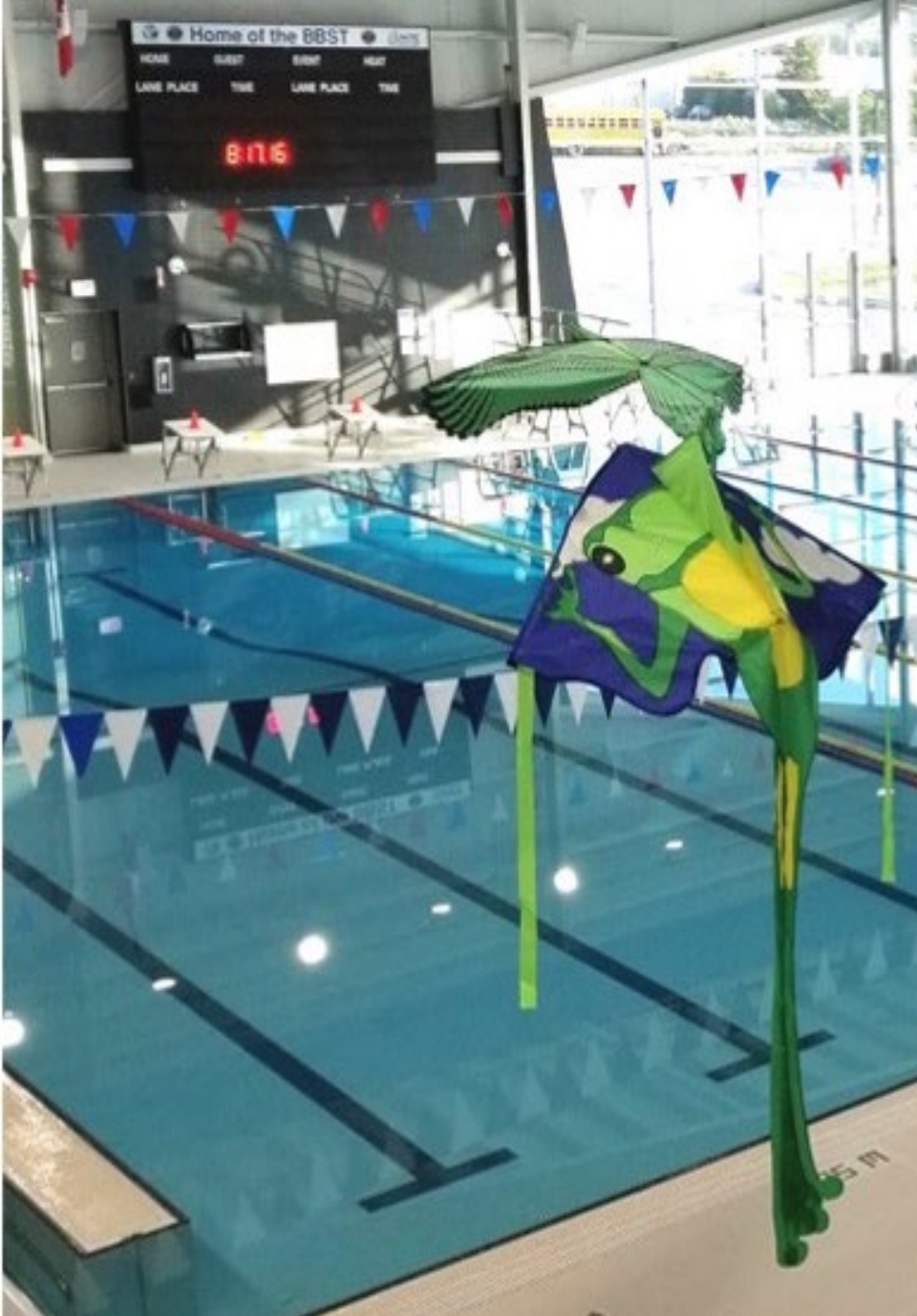
## CASE STUDY: FOOD PROCESSOR

- Varying water quality
- Single, high volume water use
- Microbiological challenges
- Food and resource waste

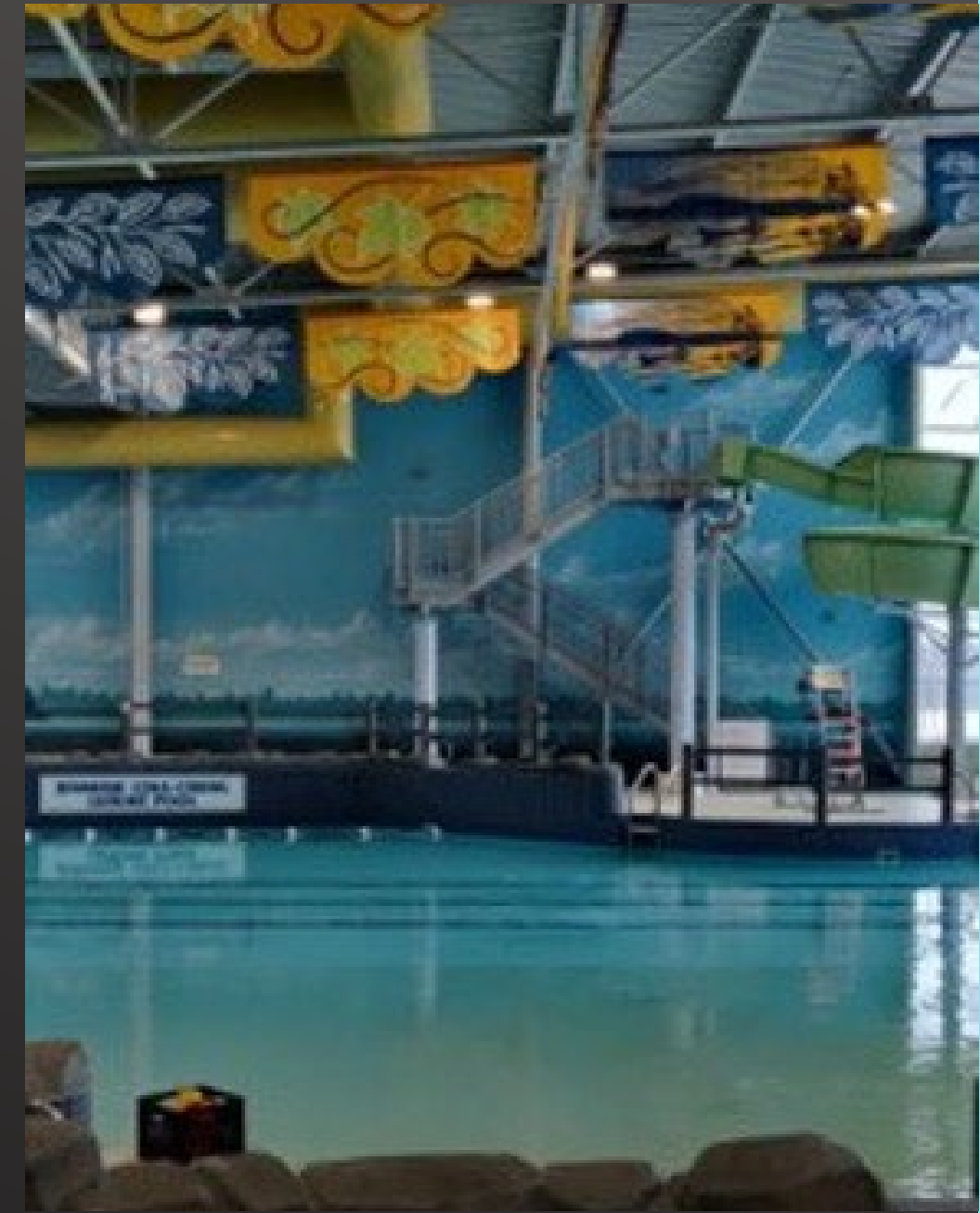
- Consistent water quality
- Early detection and control of potential issues
- Food, energy and water waste reduction

# CASE STUDY: POOL

- Swimmer and staff discomfort
- Disinfection by-products and water waste
- HVAC, chemical and energy costs high
- Corrosion of infrastructure

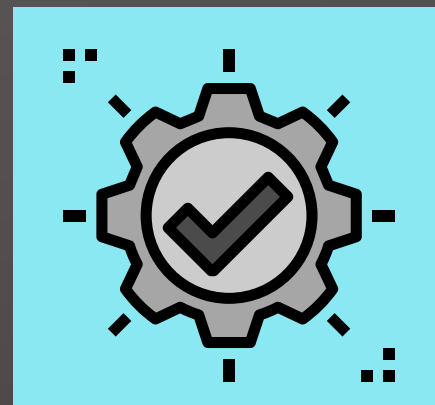


- Improved water and air quality
- Significant reduction of DBPs
- Root cause analysis of issues
- Reduced water, chemical and energy costs





# BEST WAY TO FACILITATE CHANGE: ADOPTION OF LOCAL AND MACRO DATA through DIGITAL SYSTEMS



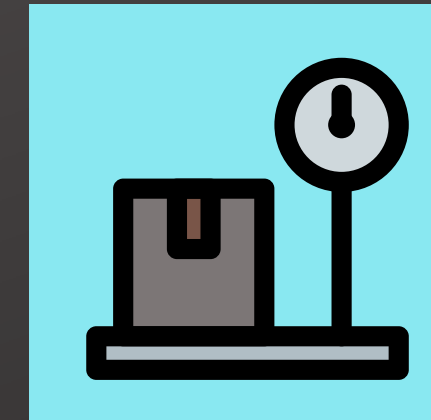
QUALIFY

+



MEASURE

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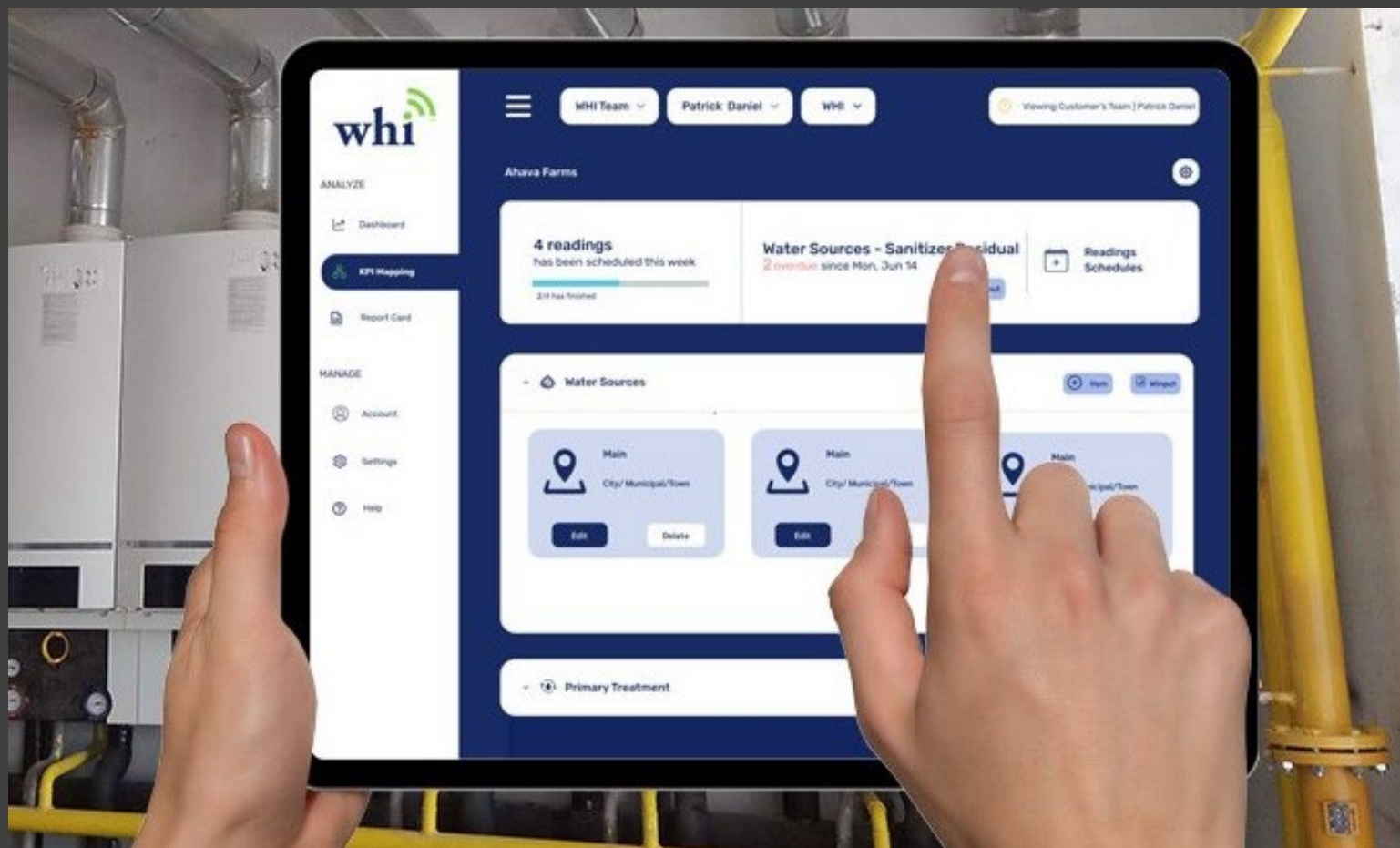
QUANTIFY



## OPTIMIZE WATER HEALTH OUTCOMES



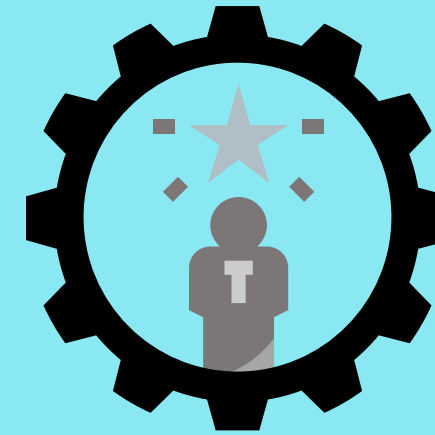
# FIELD MONITORING AND DATA MANAGEMENT IN REAL TIME



# BENEFITS OF DIGITAL SOLUTIONS



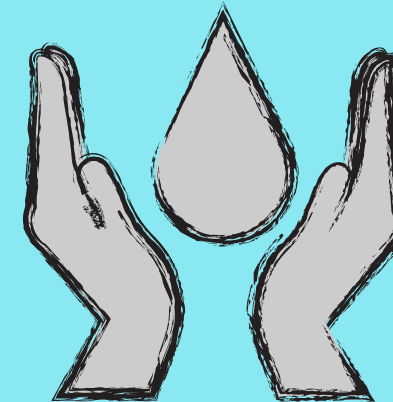
EVOLVED  
PERSPECTIVE



BE  
PRO-ACTIVE



PREVENT  
ISSUES



PROTECT OUR  
MOST PRECIOUS  
RESOURCE

"Digital adoption will motivate regulators and water stakeholders to take a science and data-driven approach so that better outcomes can be achieved for people and planet. "

