

### Economic Prudence

MWT delivers measurable financial benefits without disrupting existing infrastructure:

#### Lower operating expenditure (OPEX) through:

- Reduced chemical usage
- Lower energy consumption
- Decreased maintenance frequency

#### Reduced capital expenditure (CAPEX) by:

- Extending equipment lifespan by **40-70%**
- Minimizing scaling- and corrosion-related replacements

#### Attractive investment economics:

- Typical payback periods of **3-12 months**
- Suitable for both public-sector utilities and private enterprise



### Environmental Stewardship

MWT supports sustainability goals without introducing new environmental risks:

#### Chemical-free operation

- Eliminates hazardous chemical handling, storage, and discharge

#### Carbon reduction pathways

- Lower energy demand for pumping and treatment
- Reduced emissions linked to chemical manufacturing and transport

#### Circular economy enablement

- Improves water reuse efficiency
- Enhances resource recovery in industrial and municipal systems



### Public Service Excellence

MWT strengthens essential services and long-term resilience:

#### Improved water access and quality

- Supports safe and reliable water delivery
- Contributes to better public health outcomes

#### Climate resilience

- Enhances system performance under drought, salinity, and water stress

#### Policy alignment

- Supports national sustainability goals
- Reinforces climate adaptation and mitigation commitments.



### Designed for Scale and Simplicity

One of MWT's greatest strengths is its universality:

#### Effective in:

- Small village water systems serving **hundreds**
- Large industrial or municipal systems handling **millions of gallons daily**

- Minimal operational complexity
- No advanced technical skill dependency
- Low maintenance requirements

