DHI MARKET AREA: URBAN WATER

# DRINKING WATER

## Meeting the needs of the booming world population

By 2025, two thirds of the world population could be affected by water scarcity. Ensuring safe, reliable and sustainable water provision is crucial to human welfare. Yet it faces multiple challenges, especially in urban areas. Specialised tools and expertise are required to establish reliable drinking water systems, develop safe and energy-efficient operating conditions and maintain water quality up to standards. We can help.

### THE CHALLENGES

- Providing enough water for everyone
- Maintaining safe and secure water supply
- Ensuring energy-efficient and reliable water distribution
- Making sustainable use of water resources
- Reducing water losses and Non-Revenue Water (NRW)

### OUR APPROACH

We have all the requisite tools to ensure safe, reliable and sustainable supply and distribution of drinking water. Our wide range of services include hydraulic simulation and analyses, site-specific measurements, telemetry data and output from numerical models. We also have vast experience in helping our clients implement these tools and address their specific challenges – wherever they are located across the world. This makes us your ideal partner for water supply, water distribution and related services.

### OUR SOLUTIONS

- Hydraulic and water quality modelling
- Master planning and optimisation
- Water distribution modelling
- Improved operations
- NRW and leakage management
- Water safety planning
- Regional water supply
- Decision Support Systems (DSS)
- On-line and real-time operations
- Hydraulic transient analysis

### THE ULTIMATE GOAL

**SAFE, RELIABLE AND SUSTAINABLE WATER PROVISION**


## OUR TOOLS AND SERVICES

We can provide you with everything you need to establish, manage and optimise your drinking water supply and distribution systems. Our tools and services include:

- model building and GIS integration
- model calibration
- hydraulic and water quality analysis
- hydraulic transient analysis
- fire flow analysis
- event detection and early warning
- pipe network rehabilitation
- water audit
- pressure optimisation
- designation of District Metered Areas (DMA) and night flow monitoring
- active leakage control
- risk assessment
- monitoring
- MIKE Powered by DHI software tools:
  - MIKE+ (urban water modelling, including for water distribution systems)
  - WaterNet Advisor (control your water distribution system online)
  - DIMS.CORE (data integration and business processes)
- capacity building and training by THE ACADEMY by DHI



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