



DHI MARKET AREA: URBAN WATER

WASTEWATER AND STORM WATER

Coping with rapid urbanisation and climate change

Safe and reliable management of urban wastewater and storm water is a complex issue. It requires coping with the consequences of rapid urbanisation and climate change. As a result of this complexity and insufficient maintenance, significant parts of the wastewater and storm water networks in many cities are, or will soon be, undersized or malfunctioning. This will lead to several issues such as overflow augmentation, higher flood risks, corrosion due to sulphide gas production, infiltration in sewage networks and increased energy consumption. We can help you address these issues effectively.

- THE CHALLENGES**
- Meeting the needs of the growing population
 - Coping with the impact of climate change (including changing rainfall patterns, increasing sea levels and higher flood risks)
 - Reusing grey water
 - Achieving low impact development
 - Meeting stricter environmental regulations

OUR APPROACH To solve these challenges, water utilities across the world are increasingly facing the need to invest heavily in maintaining and upgrading their wastewater and storm water systems. We have the knowledge and the solutions to help you plan and realise such construction projects in the most efficient, cost-effective and sustainable manner. With our innovative tools, including modelling software, we can support you in analysing, monitoring and operating your systems more efficiently.

- OUR SOLUTIONS**
- Master planning and optimisation
 - Improved operations
 - Urban flood management
 - Integrated catchment modelling
 - Climate change impact assessment
 - Climate change adaptation
 - Flood warning and forecasting systems
 - Weather radar and rainfall forecasting
 - Real-time control and optimisation

THE ULTIMATE GOAL SAFE, RELIABLE AND EFFICIENT WASTEWATER AND STORM WATER SYSTEMS



About 95% of the water entering our homes goes down the drain

OUR TOOLS AND SERVICES

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

- model building and GIS integration
 - model calibration
 - hydraulic and water quality modelling
 - low impact development
 - flow risk assessment
 - flood hazards
 - flood risk management
 - flood protection
 - pollution control of industry and wastewater
 - monitoring
 - capacity building and training by THE ACADEMY by DHI
- MIKE Powered by DHI software tools:
 - MIKE+ (urban water modelling, including modelling for sewers and storm water drainage systems, river, and flood modelling)
 - MIKE HYDRO River (river modelling, including modelling for flood analysis and real-time flood forecasting)
 - MIKE FLOOD (the most complete toolbox for flood modelling, including modelling in urban areas)
 - DIMS.CORE (data integration and business processes)

Contact us: info@dhigroup.com
For more information, visit: www.dhigroup.com