By 2050, the world is expected to have an urban population of over 6.4 billion – a sizeable challenge for urban water management. Infrastructure networks are expanding as we speak. Moreover, the impacts of climate change are inescapably dramatic in densely populated urban areas. Consequently, it has become crucial to manage water environments efficiently within cities – today and in the future. With our generalised and customised Integrated Urban Water Management solutions and software, we make this possible for you.

**THE CHALLENGES**
- Meeting the increased demand for drinking water
- Alleviating the greater threats to water quality
- Increasing efficiency and reliability in water distribution
- Reducing waste of energy and resources in treatment plant operations
- Improving storm water and wastewater networks
- Coping with higher flooding risks and greater adverse effects
- Adapting to the impacts of climate change on urban waters

**OUR APPROACH**
At DHI, we adopt a holistic approach to urban water management. Our solutions are tailor-made to our clients’ specific requirements. At the same time, we work at building our clients’ capacities to handle water-related urban issues. We empower them not only with solutions, but also with the requisite training to be able to manage their unique problems independently and sustainably.

**OUR SOLUTIONS**
Our solutions combine state-of-the art technology and time-tested methodologies to ensure that our clients’ specific requirements and challenges are met (forecasting and monitoring services and MIKE Powered by DHI software). Our solutions focus on planning, design and operation of urban infrastructure, to manage city water better.

**THE ULTIMATE GOAL**
ENHANCED SUSTAINABILITY, INCREASED SAFETY AND REDUCED COSTS
CASE STORIES

Aarhus – Denmark’s second-largest city and principal port – faced a serious need to increase its wastewater treatment efficiency and capacity. We were able to provide a cost-efficient fix that could be easily maintained by Aarhus Water’s own staff. The result? Annual savings of EUR 701,000, a reduced CO2 footprint and optimised capacity.

Gold Coast is growing, and so is its need to release excess recycled water from its wastewater treatment plants. We optimised the timing of recycled water release into the waterway while improving water quality and minimising operational costs. New infrastructure investments worth AUD 60 million were deferred!

With our help, the city of Copenhagen succeeded in providing locals and visitors a recreational bathing area in the very heart of the city. Our solution – dynamic models, early detection of pollution threats and reliable forecasts of water quality. With the new, safe and well-managed recreational water area in place, the inflow of tourists into Copenhagen is bound to increase.

By 2050, over 6 billion people are expected to live in urban areas

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