



Controlling flooding in a city
of **100,000 people**.

You can too.

DHI are the first people you should call when you have a tough challenge to solve in a water environment – be it a river, a reservoir, an ocean, a coastline, within a city or a factory.

Our knowledge of water environments is second-to-none. It represents 50 years of dedicated research and real-life experience from more than 140 countries. We strive to make this knowledge globally accessible to clients and partners by channelling it through our local teams and unique software.

Our world is water. So whether you need to save water, share it fairly, improve its quality, quantify its impact or manage its flow, we can help. Our knowledge, combined with our team's expertise and the power of our technology, holds the key to unlocking the right solution.

The expert in **WATER ENVIRONMENTS**



Local solution

100,000 people call the Southern California city of El Cajon home. Like many cities of a similar size, El Cajon has an **intricate storm water collection and conveyance system**. Due to the complexity of its system, the city is **developing a master drainage plan** for their Municipal Separate Storm Sewer System (MS4). The master drainage plan will upgrade and implement a comprehensive Geographic Information System (GIS) to help manage and maintain El Cajon's infrastructure.

In order to develop this plan, the city needs a **clear understanding of how storm water behaves**. We used our MIKE URBAN FLOOD software to examine the complex interaction of storm water and overland flow paths, manholes, catch basins, pipes, canals and other natural and man-made features. Our work will **enable the city to assess the current and future capacity requirements** of the MS4 system to develop sufficient drainage capacity. This will help El Cajon **control floods, prevent flooding-related property damage and manage the costs** of long-term improvement projects.

Global knowledge

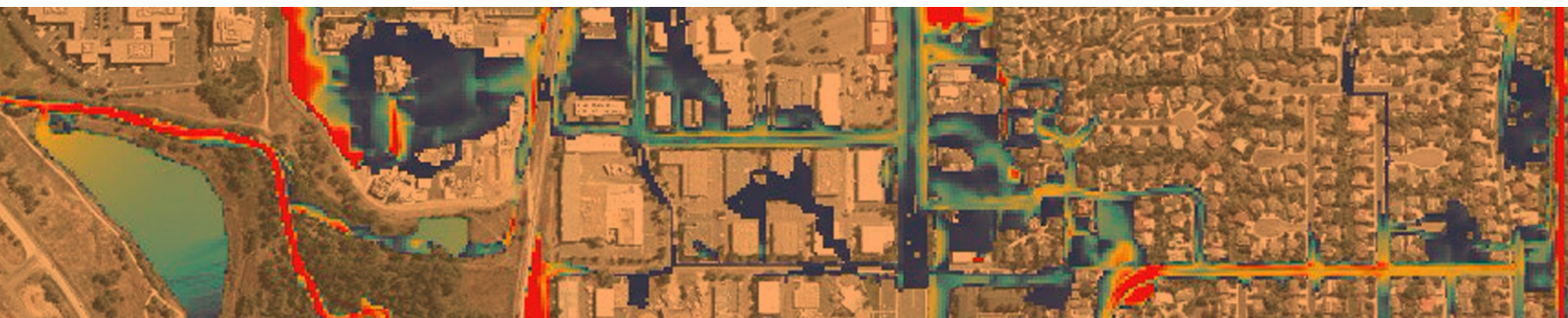
The urban water modelling software of choice – MIKE URBAN – integrates GIS and water modelling in one package. It **covers all water in an urban setting**: sewers, storm water drainage systems and water distribution systems.

A versatile tool, we can customise MIKE URBAN to the storm water needs of small towns, large cities and everything in between. Whatever your urban water challenge, **we can develop the package that is best for you**.



For more information on this solution, visit www.dhigroup.com/Publications/DHISignatureProjects/sandiego

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