



Protecting **millions of lives**
in Thailand against
devastating flooding.

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

In 2011, heavy rains during the monsoon season lead to **severe flooding that devastated Thailand**. In Bangkok, flooding along the Chao Phraya River affected large parts of the Thai capital, as well as most of the upstream industrial area. Once the flood waters receded, 900 factories in 28 provinces were damaged. With **hundreds dead and billions of dollars in economic losses**, it was one of the worst floods to hit the country in decades.

In its aftermath, Thailand's Hydro and Agro Informatics Institute (HAI) asked us to develop an **operational water management Decision Support System (DSS)**. The DSS provides forecasted levels and discharges at **28 locations up to seven days in advance**. This allows for short- and medium-term flood forecasting, helping Thai authorities improve their flood management and planning along the **entire 160,000 km² Chao Phraya River Basin**. When the threat of flooding looms, our system helps Thai authorities protect both people and businesses.

“ HAI highly appreciates DHI for their excellent job on the Chao Phraya project, especially on the close collaboration and hands on experience that made us become a good partner. ”

Dr. Piyamarn Sisomphon,
Project Leader, Hydro and Agro Informatics Institute

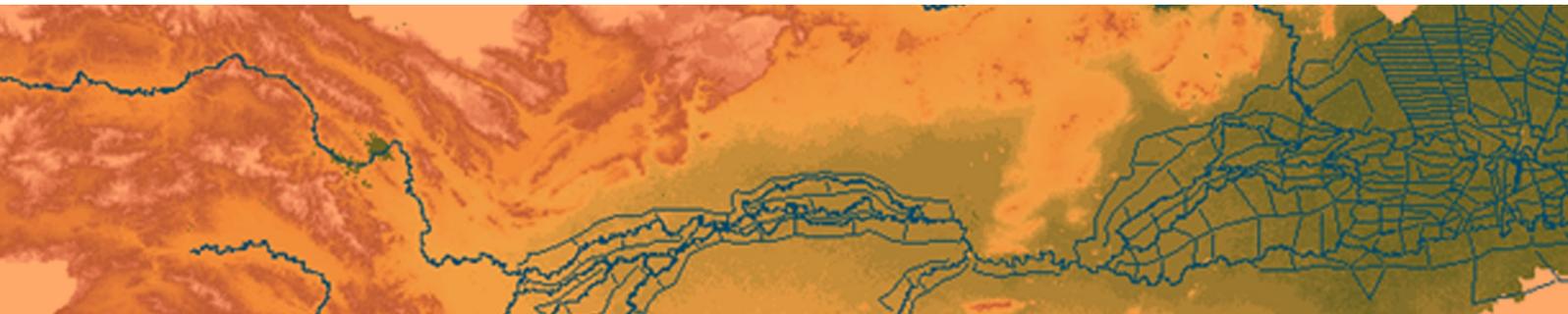
Global knowledge

Like many countries, Thailand had trouble gaining reliable, current flood data. Driven by our MIKE CUSTOMISED by DHI platform, our DSS uses real-time data to give Thai authorities **the information they need to make sound decisions**.

Our system helps Thailand **keep its residents safe, as well as prevent the massive damages and economic losses** caused by flooding. Using our expertise and proven software, we can build similar systems to address your specific flooding challenges.



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



Contact us marketing@dhigroup.com
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