

Protecting millions of lives in Thailand from floods

Using a Decision Support System to forecast floods at 28 locations seven days in advance



Never-before

forecast of flood levels now possible at 28 locations seven days in advance



Early warnings

and alarm bells issued in flood prone areas



Better equipped

to plan for and initiate emergency actions

Challenge

In 2011, severe flooding in Thailand caused more than 800 deaths and billions of dollars in economic losses.

Authorities knew they had to act now to prepare for flood scenarios in the future.

Solution

With an intelligent flood forecasting system based on real-time data, Thai authorities could now ease the damaging impacts of severe flooding before and during the monsoon season.

Solution highlights:

- Provides forecasted levels and discharges at 28 locations up to seven days in advance
- Reflects current hydrological conditions
- Performs forecast simulations if needed, and imports rainfall levels hourly and meteorological forecasts twice a day



'HAIL 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.'

Piyamam Sisomphon, Project Leader -
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