

# MIKE CUSTOMISED

## REAL TIME

### Operational control and early warning

**Supports operational forecasting and early warning services** using real time field data and forecasting models.

#### APPLICATIONS

##### MAKE FORECASTS AND WARNINGS TO IMPROVE DECISION MAKING

MIKE Customised REAL TIME extends MIKE Customised PLANNING with features for real time forecasting and warning dissemination and emergency management.

REAL TIME represents today's best practise within online river operations and forecasting services, and it supports efficient and accurate decision making.

##### TYPICAL APPLICATION AREAS

- Forecasting and early warning systems for cities, rivers, lakes and the sea
- Low flow forecasting
- Reservoir inflow forecasting and reservoir optimisation for both hydropower production, flood protection, irrigation and environmental flows
- During emergencies, the system is useful for risk assessment and identification of mitigation strategies

#### FEATURES

##### A LIVE MANAGEMENT AND FORECASTING SYSTEM

MIKE CUSTOMISED REAL TIME provides a range of tools for real time forecasting and warning.

In addition to the MIKE CUSTOMISED PLANNING features, key components include:

- Data broker - to import, validate, process and use external data for forecast modelling purposes, such as telemetry time series, radar and satellite images and numerical weather model predictions
- Job definition and scheduling - to automate common work flows, for example data brokering activities, forecast modelling, report generation and information dissemination
- Events and alarms - to detect and respond to different types of states
- Emergency management - to identify risk or mitigation strategies given the current system state

#### SOLUTION EXAMPLE

##### FLOOD FORECASTING FOR SAVA AND SOCA RIVER BASINS, SLOVENIA

###### Challenge

The Sava and Soca river basins often suffer from flooding as a result of torrential rain or melting snow. The floods have caused loss of lives and significant damages.

###### Solution

DHI was commissioned to provide an operational flow forecasting and warning system based on MIKE 11 and MIKE CUSTOMISED REAL TIME.

Once established, the solution was deployed on site and tested for accuracy, speed and robustness.

###### Value

The solution allows authorities to initiate early evacuation to save lives and property. Moreover, the system makes it possible to enhance hydropower production.



Contact: MIKE CUSTOMISED by DHI  
mikecustomised@dhigroup.com

Visit: [www.mikecustomisedbydhi.com](http://www.mikecustomisedbydhi.com)