

# Release Notes 2020

# MIKE OPERATIONS

## Contents:

- [Introduction](#)
- [System Requirements](#)
- [Installation](#)
- [License File and dongle](#)
- [Product Invocation](#)
- [Support](#)
- [New features](#)
- [Fixed issues](#)
- [Known defects and workarounds](#)

## Introduction

Welcome to MIKE OPERATIONS 2020 Update 2

In this Release Note, you will find information about new features of MIKE OPERATIONS and what you need to know in order to install and get started with Release 2020 Update 2

MIKE OPERATIONS is a software product designed for data management and model-based forecast services and for online operational control of river systems, water collection systems and water distribution systems. MIKE OPERATIONS empower you to build real-time systems by offering flexible tools that help you deal with complexities such as acquiring and combining online data sources in preparation for real-time modelling.

MIKE OPERATIONS is a product consolidation of software tools developed and applied in projects over the past 7-8 years. Hence, although MIKE OPERATIONS is a relatively new member of the MIKE product family it builds on proven software, which already serve a large number of customers worldwide.

## System requirements

The recommended minimum system requirements are:

Fully supported Windows operating systems *	Windows 10 Pro, version 1909 (64 bit) Windows Server 2016 Standard (64 bit) Windows Server 2019 Standard (64 bit)
Processor	x64, 2.2 GHz (or higher)
Memory (RAM)	2 GB (or higher)
Hard disk	40 GB (or higher)
Monitor	SVGA, resolution 1024x768 in 16-bit color
Graphics adapter	64 MB RAM (256 MB RAM or higher recommended), 32-bit true color

File system	NTFS
Software requirements	Microsoft .NET Framework 4.7.2 or later

\* Fully supported operating systems are systems that have been tested in accordance with MIKE's Quality Assurance procedures and where warranty and software maintenance agreement conditions apply.

## Installation

[top](#)

To install MIKE OPERATIONS, please go to the 'MIKE OPERATIONS' product folder and execute the setup.exe file from the downloaded, un-zipped installation files. Before you press the 'Install' button, we recommend that you read the note describing how to install MIKE OPERATIONS - this is available [here](#).

**Important information:** Please be aware that all MIKE software on the same computer must be installed with the same service pack. This is due to the dependencies between MIKE software products and the ability for the software to use the latest feature and systems updates.

## License file and dongle

To use MIKE OPERATIONS in licensed mode, please refer to the DHI License Manager Release Notes.

## Product invocation

Launch MIKE OPERATIONS from the Windows Start menu

## Support

For general support, please refer to our [FAQ](#).

If you experience any difficulties, or if you have questions, please contact our Customer Success team by e-mail or phone:

### Customer Success

DHI A/S  
Agern Allé 5  
DK-2970 Hørsholm  
Denmark

[mike@dhigroup.com](mailto:mike@dhigroup.com)

Tel: +45 4516 9333

You can also contact your local Customer Success team for support in your local language. A list can be found [here](#).

## New features and fixed issues

[top](#)

### Release 2020 Update 2

Every new release of MIKE OPERATIONS consists of new modules, new features and/or corrections to problems or significant inconsistencies discovered in previous releases. Please find short descriptions of the most significant news in Release 2020 Update 2 below.

#### New features

Module/type	New feature
MIKE OPERATIONS Web	More options for sorting list of map features
MIKE OPERATIONS Web	Logout option
MIKE OPERATIONS Web	Added icon to display job status
MIKE OPERATIONS Web	Enabled pop-out display of web layers to reduce clutter on upper ribbon
Timeseries manager	Support for relative axis time series
MIKE Workbench data view	Display of icons in drop-down list of open windows in main data view

#### Fixed issues

[top](#)

Module/type	Error/Inconvenience fixed
MIKE OPERATIONS Web	Improved support for display of raster features
MIKE OPERATIONS Web	Improved support for display of job status information
MIKE OPERATIONS Desktop	Fixed error in unit display when viewing ensemble time series
Scenario manager	Fixed problems with creating results sheets and running computations using skill scores analysis
MIKE OPERATIONS Desktop	Fixed error in display of observation period values
MIKE Workbench	Enabled case sensitivity when specifying database names
Scenario manager	Fixed an error that occurs during registration of MIKE URBAN models with PID-controlled structures

Scenario manager	Fixed an error that occurs during registration of MIKE HYDRO River models with control rules
------------------	--

## Release 2020 update 1

Every new release of MIKE OPERATIONS consists of new modules, new features and/or corrections to problems or significant inconsistencies discovered in previous releases. Please find short descriptions of the most significant news in Release 2020 update 1 below.

### New features

Module/type	New feature
Scenario manager	Support for AD simulation when running MIKE HYDRO River
MIKE OPERATIONS Desktop	Improvements to longitudinal profile tool to facilitate profile display across a confluence
Timeseries manager	More flexibility for naming individual members of an ensemble timeseries
Timeseries manager	More options for chart display of ensemble timeseries
Scenario manager	WEAP adapter updated to support latest (2019.2)
Script manager	More support for navigating using hotkeys
GIS manager	More interpolation options when using Catchment Rainfall Generation tool
GIS manager	Support for import/export of both kmz and kml files
MIKE Workbench data view	'Close all' feature for tabs in data view
MIKE OPERATIONS Web	Support for limiting the number of feature layers with an active display in the MO Web interface
Timeseries manager	Now possible to adjust the font size of legend items in timeseries charts
Timeseries manager	Possible to specify custom delimiter for ascii import
MIKE Workbench data view	'Fly-by' path display when hovering over a tab in data view
GIS manager	Improved support for display of different projections; harmonization with MIKE Zero projection library
Job manager	Now possible to run jobs on a monthly time step
Postgres compatibility	Updated to support version 12.1

## MIKE Powered by DHI

PostGIS compatibility	Update to support version 3.0.0.4
Database Manager utility	Database name field now populated automatically on restore
Scenario manager	Now possible to copy path into pop-up window created when opening in native model tool
MIKE Workbench log-in	Connection name field populated automatically when setting up new database connection
MIKE OPERATIONS Web	Coordinate display linked to mouse location
MIKE OPERATIONS Web	Possible to define user-specific path for web layers
MIKE OPERATIONS Web	Performance improvements for display of shapefiles
MIKE OPERATIONS Web	Example database now available with installation to help users get started with setting up an MO Web system
Scenario manager	HEC-RAS adapter updated to support version 5.0.7

## Fixed issues

[top](#)

Module/type	Error/Inconvenience fixed
MIKE OPERATIONS Web	Better support for display of dfs2 result files from MIKE SHE
GIS manager	Better support for display of grid files
MIKE INFO	Better support for updating spreadsheets
DESSIN ESS tool	Errors in Eurostat data retrieval fixed
MIKE OPERATIONS Web	Jobs now placed in named group on MO Web ribbon
MIKE OPERATIONS Desktop	'Show on web' option removed for scripts
Job manager	Append time series modified to overwrite if appending time steps exist in the target timeseries.
MIKE OPERATIONS Desktop	Scenario functionality fixed so that scenarios created in MO Desktop are extracted from the simulation that the scenario is based on, instead of the original model timeseries
Database Manager utility	Restore database no longer crashes if path is in quotes

## MIKE Powered by DHI

Scenario manager	MIKE HYDRO Basin adapter now uses rainfall-runoff initial conditions
Scenario manager	MIKE HYDRO Basin adapter now retrieves spillway and outlet capacity timeseries
Scenario manager	MIKE HYDRO Basin no longer crashes if rainfall-runoff model is active

[top](#)