

Release Notes 2022

MIKE OPERATIONS

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Introduction

Welcome to MIKE OPERATIONS 2022

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 2022.

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 empowers 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 products that already serve many customers worldwide.

System requirements

Operating systems

Fully supported Windows operating systems *	Windows 10 Pro, version 21H1 (64 bit) Windows Server 2016 Standard, version 1607 Windows Server 2019 Standard, version 1809
Non-supported but partially tested operating systems **	Windows 11 Pro, version 21H2 (64 bit) Windows Server 2022, version 21H2

* 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.

** Non-supported but partially tested operating systems are systems, which are not officially supported by the MIKE software products. These operating systems have only undergone very limited testing for the purpose of MIKE software, but the software and key features are likely to work. Installation of MIKE software on a non-supported operating system is done so at the user's own risk. The MIKE software warranty and software maintenance agreement conditions do not apply for unsupported operating systems and DHI is under no obligation to provide assistance or troubleshooting for cases where the software is being used on a non-supported operating system.

Please note that single user installations are not allowed on server operating systems. Also, when running a fully supported operating system as a 'guest operating system' on a virtualization platform, it is automatically downgraded to a non-supported operating system under the conditions provided above.

Minimum hardware/software requirements

Processor	compatible with x64 instruction set, 2.2 GHz or higher
Memory (RAM)	4 GB or higher *
Storage	64 GB or higher *
Display	resolution 1024 x 720 (High-Definition) or higher, 24-bit color (true color)
Graphics adapter	64 MB RAM (256 MB RAM or higher recommended), 32-bit true color
Software requirements	Microsoft .NET Framework 4.7.2 or higher

* The actual required amount of memory and disk space depend on the usage (application, model setup, size of data files etc.)

Installation

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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](#).

License file and dongle

To use MIKE OPERATIONS in licensed mode, please refer to the DHI License Manager Release Notes ([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 Care team by e-mail or phone:

Customer Care

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

mike@dhigroup.com
Tel: +45 4516 9333

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

Removal of TS Objects from MIKE Zero installation

The COM component TS Objects is no longer installed with MIKE Zero as of release 2021. Some users may have developed scripts that use TS Objects; after updating to MIKE Zero 2021 or later, these references will no longer function. Users are advised to replace TS Objects references with references to the MIKE Core SDK. More information about the MIKE Core SDK, including documentation and examples, is available at <http://docs.mikepoweredbydhi.com/>.

Oracle no longer supported

As of release 2022, MIKE OPERATIONS no longer supports connections to Oracle databases. Please refer to the installation guide for a list of supported database types.

Problem with Google Maps compatibility in MIKE OPERATIONS Web

A bug prevents panning when using the Google Maps background in MIKE OPERATIONS Web. A hotfix will be available shortly after the MIKE 2022 release. Users needing a hotfix should contact ndr@dhigroup.com.

New features and fixed issues

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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 below short descriptions of the most significant news.

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New features

Module/type	New feature
DHI Azure Active Directory	Now possible to use DHI Azure Active Directory authentication to log in to a MIKE OPERATIONS database. Access to DHI Cloud platform storage (e.g., DataAdmin) now enabled when signed in using Azure Active Directory.
MIKE Workbench: Scenario Manager	Enabled spatial outputs for MIKE 21FM adapter
MIKE Workbench: Scenario Manager	Added more options for specifying initial condition files when registering a MIKE 21FM model
MIKE Workbench: Scenario Manager	Enabled spatial outputs for MIKE SHE adapter (TT56984)
MIKE Workbench: Scenario Manager	Enabled support for gridded climate inputs when running MIKE SHE adapter
MIKE Workbench: Scenario Manager	Enabled support for dfs3 outputs from MIKE SHE adapter
MIKE Workbench: Scenario Manager	Enabled writing spatial output files to DHI Cloud platform storage, as an alternative to saving to database or to disk.
MIKE Workbench: Job Manager	Added font specification for job log data view (TT54956)

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MIKE Workbench: Scenario Manager	Enabled sorting of simulations (TT57483)
MIKE Workbench: Timeseries Manager	New TS provider for other MO databases (TT57506)
MIKE Workbench: Timeseries Manager	Added option to cancel delete operation if operation has triggered confirmation popups due to feature associations (TT57592)
MIKE Workbench	Added more information about database connections to setup list to help users manage multiple databases (TT57626)
MIKE Workbench: Scenario Manager	Added .dfs0 support to MIKE+ adapter (TT58683)

Fixed issues

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Module/type	Error/Inconvenience fixed
MIKE Workbench: Workflow Manager	Added Ctrl+S to save workflow (TT52273)
MIKE Workbench: Scenario Manager	Fixed issues with hotstarting MIKE SHE adapter (TT56993, TT57423, TT59883)
MIKE Workbench: Timeseries Manager	Fixed issues with To File tool when exporting folders with subfolders (TT57430)
MIKE Workbench: Timeseries Manager	Fixed issues with order of charts when selecting a chart from context menu (TT57519)
MIKE Workbench: Script Manager	Fixed errors in generated script code for Select Timeseries tool (TT57536)
MIKE Workbench: Scenario Manager	Added logic to terminate ensemble simulation runs after the failure of one member (TT57564)
MIKE Workbench: Timeseries Manager	Fixed error in ASCII import tool when importing ensembles (TT57572)
MIKE Workbench: Scenario Manager	Fixed bugs in MIKE+ adapter (TT57778, TT57779, TT57960)
MIKE Workbench: Timeseries Manager	Fixed bug in PeriodStatistics Tool (TT57819)
MIKE OPERATIONS Web	Added support for multiple items in under ItemGroupIDs (TT57955)
MIKE Workbench: Scenario Manager	Made improvements to adapter exception handling (TT58437)

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MIKE Workbench: GIS Manager	Fixed bug in Mesh Query tool (TT58482)
MIKE Workbench: Scenario Manager	Fixed bug in MIKE FLOOD adapter (TT58515)
MIKE Workbench: Scenario Manager	Fixed output path location for river model results when using MIKE SHE adapter (TT58550)
MIKE Workbench: GIS Manager	Fixed problems with reading DHI projections (TT58582)
MIKE Workbench: Scenario Manager	Added progress information to MIKE HYDRO Basin adapter (TT58658)
MIKE Workbench: Job Manager	Fixed bug that caused application to crash when running a job as a non-admin workspace member (TT58756)
MIKE Workbench: GIS Manager	Fixed bug in tool, "Import Temporal Raster from TIFF files" (TT59029)
MIKE Workbench: Scenario Manager	Fixed bug occurring when running scenario in background (TT59191)
MIKE Workbench: Job Manager	Fixed crash errors occurring when using job manager (TT59259, TT59263)
MIKE Workbench: GIS Manager	Fixed error in input association list view (TT59349)
MIKE Workbench: Scenario Manager	Fixed error in handling of initial conditions by MIKE SHE adapter (TT59617)
MIKE Workbench: Scenario Manager	Fixed error in handling of runoff results by MIKE+ adapter (TT59638)
MIKE Workbench: GIS Manager	Fixed error in Generic Vector importer (TT59684)
MIKE Workbench: Workflow Manager	Fixed error that caused Workflow Manager to hang after executing a workflow (TT59790)
MIKE Workbench: GIS Manager	Fixed ASCII raster import error (TT59803)

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