

Release Notes 2023



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Introduction

Welcome to MIKE SHE 2023

In this Release Note you will find information about new features of MIKE SHE, and what you need to know in order to install and get started with Release 2023.

MIKE SHE is a modelling system for integrated catchment hydrology. MIKE SHE covers all aspects of the entire land phase of the hydrological cycle with specific strength in the dynamic interaction between surface water and sub-surface water (ground water).

System requirements

Operating systems

Fully supported Windows operating systems *	Windows 11 Pro, version 22H2 (64 bit) Windows 10 Pro, version 22H2 (64 bit) Windows Server 2022, version 21H2 Windows Server 2019 Standard, version 1809
Non-supported but partially tested operating systems **	Windows Server 2016 Standard, version 1607

* 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 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
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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

To install MIKE SHE, please go to the 'MIKE SHE' product folder and execute the setup.exe file either on the MIKE 2023 USB or from the downloaded, un-zipped installation files. Press the 'Install' button to begin installation.

License file and dongle

Please Note that when using the local or network license option, which require a license file and a dongle, then

- the DHI License Manager must installed separately.
- all licensed applications included in MIKE 2023 require a 2023 version of the DHI License Manager.
- a new license file format (file extension dhilic2) has been introduced with MIKE 2022 and these license files can only be used together with a DHI License Manager 2022 or newer.

To use MIKE SHE in licensed mode, please refer to the DHI License Manager Release Notes ([License Manager Release Notes](#)).

Product invocation

Launch 'MIKE Zero' from the Windows Start menu. Then you can select MIKE SHE from within the MIKE Zero Shell.

Starting MIKE SHE without a DHI configured hardware key and valid licence files will cause the program to run in demo mode. If this happens, a message box will inform you during program initialisation. When running in demo mode, MIKE SHE supplies full access to all editors, computational engines and editing facilities. However, restrictions apply to the setups that can be executed as a model simulation.

Support

For general support, please refer to our [Customer Care Portal](#).

If you experience any difficulties, or if you have questions, please contact our Customer Care team at mike@dhigroup.com.

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

New features and fixed issues

Every new release of MIKE SHE 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.

Release 2023

New features

Module/type	New feature
Water movement	The 'canyon' option for estimating driving head in surface water-groundwater exchange calculations has been extended to include transient simulations. This option limits the driving head for exchange from the saturated zone to the head difference across each SZ layer.
Water movement	A new option is available for limiting river-saturated zone exchange to the uppermost saturated zone layer.
Irrigation	Users can specify the spatial extent of individual irrigation output files (.dfs0).
River modeling	Enabled use of MIKE+ as river model (alternative to MIKE HYDRO River or MIKE 11).
Pre-processed data	Users can open processed data files directly in the Results Viewer, in addition to the Grid Editor.
Results viewing, pre-processed data	Simulation and preprocessing log files can now be viewed directly in the MIKE SHE editor.
Initial conditions	A new, lightweight result files (.sheres) is available for use as a hotstart file in subsequent simulations (TT61372).

Fixed issues

No fixed issues