Release Notes 2025

MIKE SHE

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Introduction

Welcome to MIKE SHE 2025.

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 2025.

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 24H2 (64 bit) Windows 11 Pro, version 23H2 (64 bit) Windows 10 Pro, version 22H2 (64 bit) Windows Server 2022, version 21H2
Non-supported but partially tested operating systems **	Windows Server 2019 Standard, version 1809

* 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

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 2025 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 2025 require a 2025 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.

Note to users of MIKE 11 and MIKE HYDRO River

The products MIKE 11 and MIKE HYDRO River have been decommissioned and are no longer part of MIKE software as of release 2025.

However, it's still possible to use models developed in MIKE 11 and MIKE HYDRO River as the river model component in MIKE SHE. Both the .sim11 and .mhydro extensions are supported. If you plan to use a MIKE 11 or MIKE HYDRO River model with MIKE SHE release 2025, you will need to install an older version of MIKE software (release 2023 or earlier) if you would like to make changes to your river model.

In addition, the MIKE 11 engine is no longer supported in release 2025. Therefore, if you're using a MIKE 11 river setup in a MIKE SHE simulation, the river model will use the MIKE 1D engine.

Users of MIKE 11 and MIKE HYDRO River are encouraged to convert to MIKE+ for river simulations. Conversion tools are available in MIKE+ for both MIKE 11 and MIKE HYDRO River setups. If using a MIKE+ river setup with MIKE SHE, the setup must be exported to the .m1dx format before selecting in MIKE SHE.

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 2025

New features

Module/type	New feature
Extension of collection system coupling to soakaways	Coupling to MIKE 1D collection system models was enabled with release 2024. Now, the collection system coupling has extended to include soakaways. Water draining out of soakaway features in collection systems can now be routed to a MIKE SHE groundwater model. In addition, it's possible to simulate the impact of higher groundwater levels on soakaway performance.
Using a single MIKE 1D setup for rivers and collection system	Coupling to MIKE 1D collection system models was enabled with release 2024. However, the 2024 implementation required using different MIKE 1D models for rivers and the collection system. Therefore, if the user wanted to include exchange with both rivers and the collection system in a single model, it was necessary to couple to separate models. in addition, the coupling did not support exchange between the MIKE 1D models. These limitations have been removed, and it's now possible to couple to a single MIKE 1D setup that includes both rivers and the collection system.

Fixed issues

Module/type	Fixed issue
Results	Fixed error in detailed river time series display (TT64640).
Coupling of saturated zone to unsaturated zone	Enabled coupling of the linear reservoir saturated zone model to the Richards unsaturated zone model (TT64860).
Post-processing	Fixed small error in display of water balance chart (TT64886).

Infiltration	Fixed error in estimate of total recharge (TT64927).
Results	Fixed error when using 'depth to bottom phreatic surface" in detailed water movement time series (TT65435).
MIKE 1D coupling	Enabled using a script to turn a MIKE 1D error to a warning (TT65505).
Results	Fixed error in detailed water quality time series configuration (TT65501).