

Release Notes 2026

WEST

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Introduction

Welcome to WEST 2026.

In this Release Note you will find information about new features, improvements and fixes, and what you need to know to install and get started with WEST 2026.

WEST 2026 is a powerful and user-friendly tool for dynamic modelling and simulation of municipal Water Resource Recovery Facility (WRRF) and Integrated Urban Water System (IUWS). The extensive state-of-the art model library of WEST enables one to model and evaluate almost any kind of modern WRRF and a variety of IUWS systems.

WEST 2026 comes in five different flavors:

- **WEST Basic:** Entry-level product: allows for the construction of a plant layout (limited in size) and for the execution simulations, using a reduced block library
- **WEST:** Construction of plant models using standard blocks, simulation, output visualization, and computation of user-specified objective functions, and execution of advanced experiments
- **WEST +:** Construction of plant models using standard and custom blocks, simulation, output visualization, computation of user-specified objective functions, and execution of advanced experiments
- **WEST Player:** Simulation, output visualization, and computation of user-specified objective functions on the basis of a fixed executable plant model, previously prepared by WEST or WEST +
- **WEST SDK:** Software Development Kit for the integration of the WEST engine (i.e. Tornado) in custom applications

WEST 2026 deprecates the **MSL** library (that uses MSL as modelling language) and only supports the **Modelica** library (that uses Modelica as modelling language).

Important: the MSL library has now been officially discontinued.

System requirements

Supported Operating Systems

The supported operating systems listed below have been tested in accordance with MIKE's Quality Assurance procedures. DHI's warranty, as set out in the General Terms and Conditions ([Schedule 1](#)) for MIKE software and Software Maintenance Agreement ([Schedule 4](#)) only apply when MIKE software is installed and used on these supported systems:

- Windows: Win 10 Pro V22H2, Win 11 Pro V24H2 & V23H2, WinServ 2022 V21H
- Linux (engine only): Ubuntu: 20.04 LTS, 22.04 LTS, 24.04 LTS, Red Hat Enterprise 8 and 9

Any operating system **not listed** is considered **unsupported**. Installing or using MIKE software on an unsupported system is at Licensee's own risk and DHI provides **no warranty, no maintenance coverage**, and is **not obligated** to offer support or troubleshooting.

The supported Linux distributions are those that have been tested and verified by DHI for MIKE 2026. Other distributions may, or may not, work and are not recommended. However, past versions of MIKE Software have been successfully installed on other Linux distributions, including CentOS, Ubuntu Kylin, Galaxy Kylin (V10), AlmaLinux and Debian (all 64-bit).

Please note: Even if an operating system is listed as supported, it will be considered **unsupported** if MIKE software is run in a virtualized environment, e.g., a guest operating system or a Docker container.

Minimum hardware/software requirements

Processor	Compatible with x64 instruction set architecture, 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 depends on the usage (application, model setup, size of data files etc.)

Installation

The setup program will automatically install all necessary files and folders onto your computer. Additionally, an entry is created in the Start Menu for MIKE Software.

Please note that a separate installation guide, including system requirements, is available online.

Licensing

With WEST 2026, we are introducing a new licensing system for all MIKE software.

For on-line users, the new Internet License Server is more secure and robust, and less dependent on a stable internet connection. This should significantly increase the overall reliability of the Internet License Server.

For off-line users, the main difference is that dongles and license files are replaced by a Network License Server that is locked to specific computer. Just like the old dongles, a Network License Server can distribute licenses across a local network.

The existing Internet License Server will be phased out by the end of 2026. We will communicate more details of this phase-out to users of the existing system in Q2 2026.

In the new system,

- Every company needs an Administrator to manage Entitlements. This person will be created automatically by Customer Care.
- The Administrator can add Users in their company's Webportal.
- The Administrator can set up Local License Servers for off-line usage.
- Users can configure their connection to the Internet License Server or a Local License Server from the new desktop DHI License Manager.

All the required files will be installed during the MIKE Software installation. The details of the installation, configuration and connecting to your License Server are described in the documentation for the DHI License Manager.

Note: Starting any MIKE Software without a valid license will cause the program to run in demo mode. When running in demo mode, the software has access to all editors, computational engines and editing facilities. The restrictions that apply to saving set ups and executing simulations are product specific.

Starting your MIKE Software

Launch WEST from the Windows Start menu.

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 in WEST 2026 Update 1

Every new release of WEST Software 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.

New features and improvements

Module/type	New feature
GUI	Plots can now be moved between dashboards, enabling better organization and customization of graphical outputs.
GUI	The Polish language has been updated. WEST now has full Polish support.
Modelica Library	Updated ASM2dMod documentation in the Models Guide.
Modelica Library	Major improvement of NDHA to include four step denitrification by DPAOs. Several other smaller improvements.
Modelica Library	Four new SBR models have been added to the library: • A: single variable-length nitrification phase (and ideal solid separation, point-settler) • B: variation of A, with variable-length denitrification phase too • C: variation of A, in which: fill phase can end when V_max is reached, draw phase can end when V_Draw is reached, and wasting is separate from idle phase • D: variation of B, in which fill phase can end when V_max is reached, draw phase can end when V_Draw is reached, and wasting is separate from idle phase
Modelica Library	New category-specific ADM1 transformers have been added to the library. Unlike the previous implementation, each transformer now operates directly on the corresponding ASM state components, eliminating the need to pass through the generic ASM1 transformer. This revised approach improves the consistency and robustness of the transformation process and ensures a more rigorous preservation of mass balances, particularly with respect to phosphorus.
Modelica Library	New biofilm model (Filter1D_BW) in which the thickness of the biofilm is regulated through intermittent backwash.
Modelica Library	To solve a mass balance issue in the chemical dosing models for P-precipitation, fixes have been implemented in the iron chloride (FeCl ₃) and to the Alum model.

Module/type	New feature
	And a new iron sulphate (FeSO_4) has been added to replace the previous Fe_2SO_4^3 model. In the same scope, to improve rigor and code readability, the variable Flow_M has been replaced by ChemicalFlux.
Modelica Library	New control model to regulate the outflow in a storm tank.
Modelica Library	Aeration power (P_Aer) has been added to all biofilm models.
Samples / Tutorials	New sample project illustrating the use of a storm tank model.

Fixed issues

Module/type	Error/Inconvenience
Modelica Library	The biomass decay / lysis contained an additional term for anaerobic conditions that is not supported by literature, and that used the same n_fe parameter that regulates the hydrolysis rate under anaerobic conditions. This led to an overestimation of biomass decay.
Modelica Library	Mass balance error for solids components in Takacs settling model, when the influent flow is smaller than the desired sludge underflow.
Modelica Library	Mass balance error in variable volume, pump-regulated volume and 'parallel' variable volume activated sludge tank models.
Modelica Library	Added equation for the volume occupied by carrier material in trickling filter model, and other biofilm models.
Modelica Library	The Monod term for X_S in the NDHA model used the non-temperature-corrected K_X parameter.
Modelica Library	The Granular CSTR resulted in a runtime error due to a missing mass balance equation for the solvent component in the bulk.
Modelica Library	Correction of empirical formula for Storm Tank – retention time is expressed in hours.
Modelica Library	Lanes parameter added to all biological models to accommodate H_Tank calculation in NDHA. The new parameter is accessible only when using the 'parallel lane' activated sludge model. In all other cases it is effectively transparent.
Modelica Library	Removed obsolete k_At parameter in biofilm models.

Known defects and workarounds

Module/type	Error/Inconvenience	Work-around
Modelica Library	Automatic initialization of biofilm masses fails in certain situations, particularly when geometry (i.e., combination of reactor size and filling ratio with carriers and biofilm thickness) leaves very small volume to water.	Reach out to technical support, mike@dhigroup.com

Module/type	Error/Inconvenience	Work-around
Modelica Library	Flow_M has been replaced by ChemicalFlux in all chemical dosing models.	Projects containing cost calculator models, built with earlier versions of the library, will result in an error when used with the new library. Manually reset the 'interface link' connecting the dosing block and the cost calculator block, using the new variable ChemicalFlux.
Samples	Python Extensions only works after executing steady-state and dynamic simulation	Follow instructions provided in the Notes to the sample
Tutorials	Initial conditions for dynamic simulation of the TwoASU_IUWS tutorial are not properly stored.	Run a steady-state simulation and re-initialize the dynamic simulation, before launching the dynamic simulation.