Release Notes 2025

LITPACK

Contents:

Introduction

Welcome to LITPACK 2025

In this Release Note, you will find information about new features of LITPACK, and what you need to know in order to install and get started with Release 2025.

LITPACK is an integrated modelling system for littoral processes and coastline kinetics. It covers the modelling of non-cohesive sediment transport in waves and currents, littoral drift, coastline evolution and profile development along quasi-uniform beaches.

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 Standard, 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 the MIKE Powered by DHI Quality Assurance procedures and where warranty and software maintenance agreement conditions apply.

** Non-supported but partially tested operating systems are systems that have only undergone limited testing and so are not officially supported for running MIKE software products. The MIKE software warranty and software maintenance agreement conditions do not apply for non-supported operating systems. 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 LITPACK, please go to the MIKE Zero 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.

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

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 be 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 software 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 LITPACK from within the MIKE Zero Shell.

Starting any MIKE Zero application without a DHI configured hardware key and valid license files will cause the program to run in demo mode. If this happens, a message box will inform you during program initialization. When running in demo mode, the MIKE Zero installation 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 Littoral Processes FM (LITPACK) 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 and improvements

Module/type	New feature
Littoral Processes FM	Interpolation between profiles has been improved. A new option to specify profile locations along coastline by origin (from list) has been added. This allows coastline evolution to calculate the wave progression towards the breaking point based on the interpolated profile. See Figure 1.
Littoral Processes FM	Workflows in the Littoral Processes FM editor have been made more interactive; for example, it is now possible to define locations on the map. See Figure 2.
Littoral Processes FM	Handling of differing map projections in the Littoral Processes FM UI has been improved (for example, for the display of coastline, baseline and sections).
MIKE Zero	Support has been added for Littoral Processes FM (LITPACK) models in the Graphical Overview tab. See Figure 3.
MIKE Zero	Keyword handling for map projections has been improved.
MIKE Zero	Performance of the MIKE Zero Data Utility has been improved.

Fixed issues

Module/type	Error/Inconvenience
Littoral Processes FM	Corrected an issue in the Littoral Drift model with transport calculations for shingle sized sediment that in some cases produced abnormal results.
Littoral Processes FM	An issue where the Littoral Processes FM editor overwrites table limits when switching between Model definitions has been rectified.

Figures

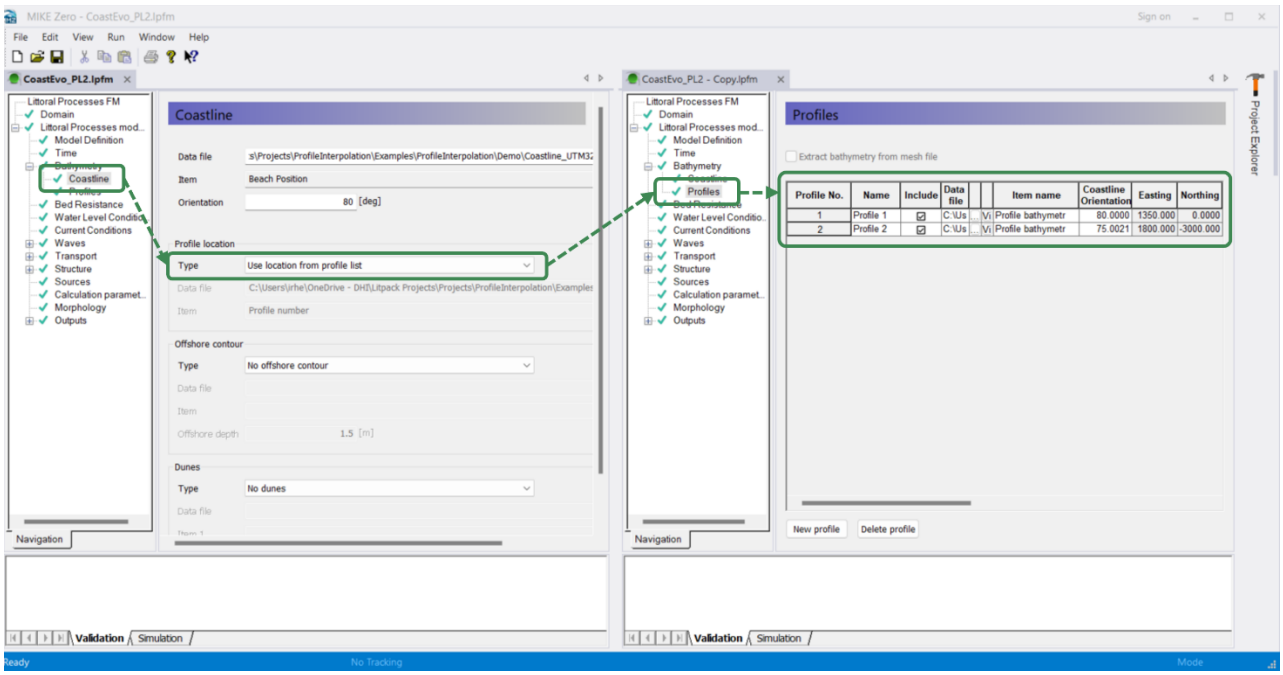

Figure 1 – Specify profile locations from list

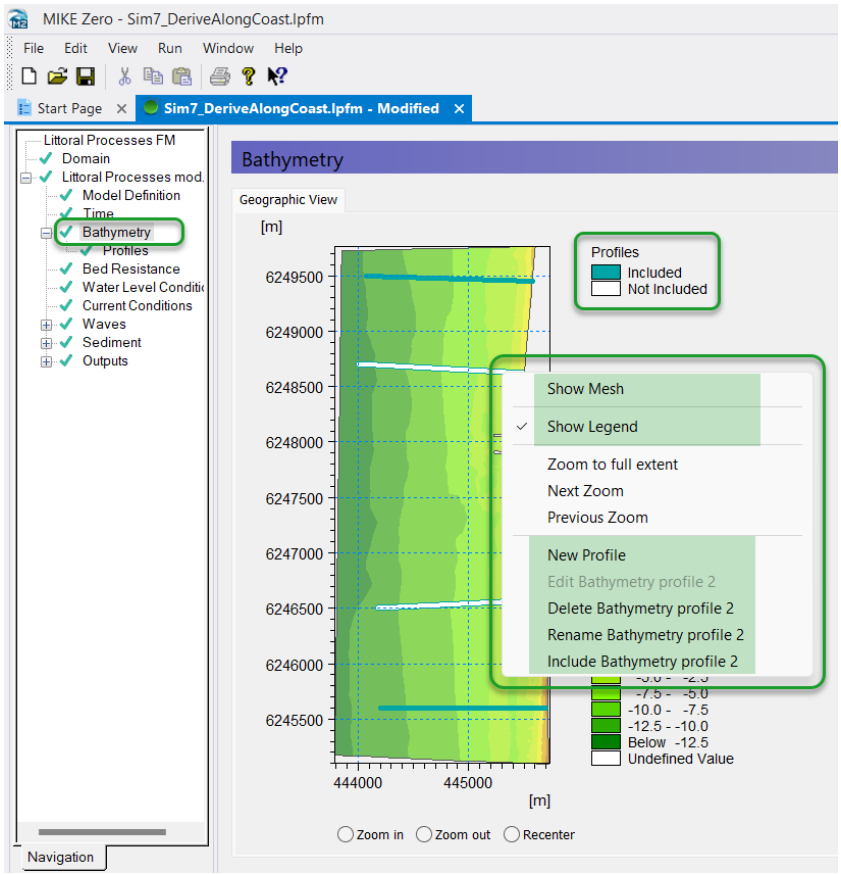

Figure 2 – Define profiles on map

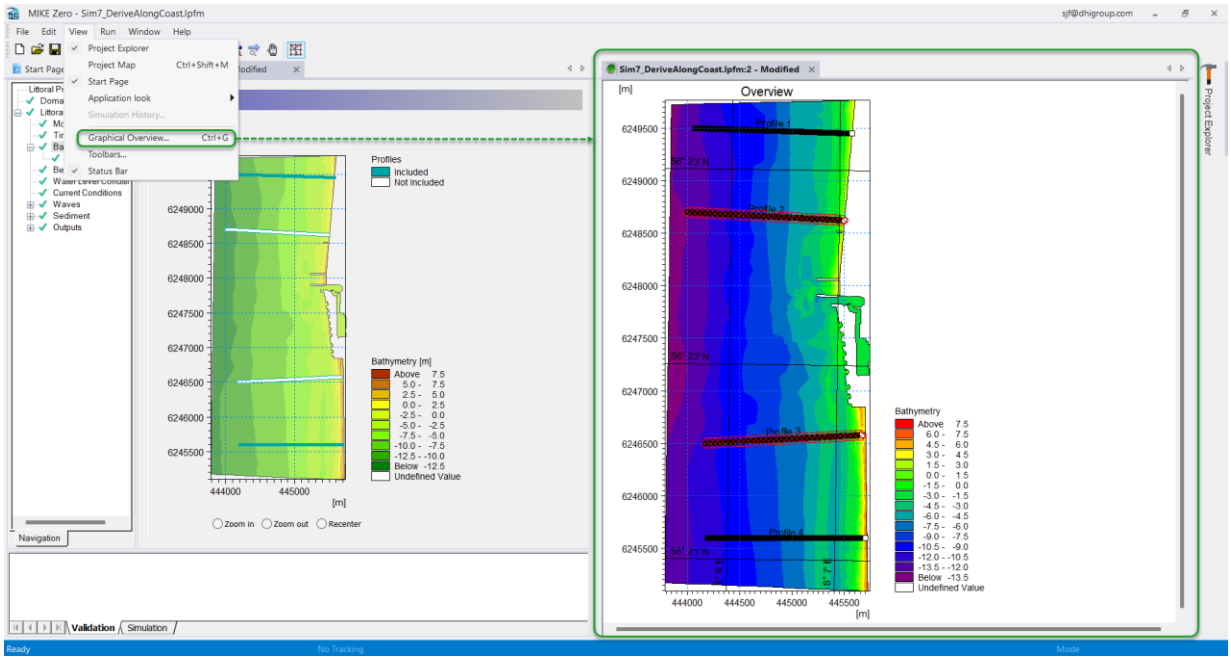

Figure 3 – Littoral Processes FM models in the Graphical Overview tab