



WEST

Installation Guide 2025



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CONTENTS

WEST Installation Guide

1	Introduction	2
2	Installation Prerequisites	3
3	WEST Installation/Upgrade	4
4	DHI License File	7
5	Installation and use of external compiler	8
5.1	Visual Studio Community 2019 Installation	8
5.2	Use of external compiler in WEST 32-bit (optional)	10
5.3	Use of external compiler in WEST 64-bit (required)	12



1 Introduction

This installation guide covers the installation of WEST 2025 and required 3rd party software.

WEST 2025 is available as:

- 1. 32-bit version
- 2. 64-bit version, requiring the installation of an external compiler

This guide describes the installation process for all the different deployment patterns and required associated 3rd party software.

Important information: Please be aware that all MIKE software (including the DHI License Manager) on the same computer must be installed with the same version. This is due to the dependencies between MIKE software products and our wish to use the latest and technically most advanced development systems.



2 Installation Prerequisites

WEST 2025 depends on some prerequisites as listed below:

- 1. Fully supported Windows operating systems:
 - Windows 11 Pro, version 23H2 (64 bit)
 - Windows 10 Pro, version 22H2 (64 bit)
 - Windows Server 2022, version 21H2
- 2. The DHI License Management application, to be downloaded and installed separately. Only required if local license mode (physical dongle) is used.
- 3. Microsoft .NET framework 4.7.2 or later



3 WEST Installation/Upgrade

WEST 2025 is installed by running the *Setup.exe* program included in the installation package. The installation process is the same for both 32-bit and 64-bit versions of WEST.

The installation of the WEST is simple and requires no user interactions beyond accepting the license conditions and specifying the installation folder. The following table outlines the installation steps for WEST 2025.

Installation step	Screen
Run the setup.exe file from the installation media/download folder. <i>Note: Refer to the installation</i> <i>guide of the DHI License</i> <i>Manager for more information</i> <i>about features and license</i> <i>configuration.</i>	Nowering WATER DECISIONS Welcome to the InstallShield Wizard for DHI WEST 2025 64 bit The InstallShield(R) Wizard will install DHI WEST 2025 64 bit on your computer. To continue, click Next. WARNING: This program is protected by copyright law and international treaties.
Click Next	< Back Next > Cancel
Accept the license agreement	DHI WEST 2025 64 bit - InstallShield Wizard License Agreement Please read the following license agreement carefully. I LEGAL NOTICE 1.1 You are about to install and/or use Software and/or Platform developed by DHI A/S ('DHI') and its licensors. Please read this legal notice carefully as it includes important information about how you may and may not use the Software and/or Platform. 1.2 You are only allowed to install and/or use the Software and/or Platform if you or a legal entity on your behalf have obtained a valid license for you to do so. If you or a legal entity on your behalf have not obtained a valid license to install and/or use the Software and/or Platform. 0.1 accept the terms in the license agreement Or int I do not accept the terms in the license agreement InstallShield
Click Next	< Back Next > Cancel



Installation step	Screen
Select the components to install. <i>Note: If desired, the user can</i> <i>select a different destination</i> <i>folder than the default one by</i> <i>clicking "Change"</i>	DHI WEST 2025 64 bit - InstallShield Wizard Custom Setup Select the program features you want installed. Click on an icon in the list below to change how a feature is installed. Click on an icon in the list below to change how a feature is installed. Feature Description DHI WEST Fries DHI WEST application files This feature requires 16 15MB on your hard drive.
Click Next	Install to: C:\Program Files (x86)\DHI\WEST\2025\ InstallShield Help Space < Back Next > Cancel
Select the type of license available Unchanged: if the installation relies on the pre-existing license, or on Interned-based license Demo: for testing of the software without a license Local: if license is based on physical dongle Network: if the license to be used is installed on a remote license server or IP number of the license server.	DHI WEST 2025 64 bit - InstallShield Wizard License selection Select license type Inchanged, Keep current form of license management. Select this option if you have an internet license. Demo. Set the DHI license system in demo -mode. Demo. Set the DHI license system in demo -mode. Local. To use local mode DHI License Manager must be installed on the system and your DHI dongle must be plugged in Network. Licenses are requested from a central server InstallShield Kethor Cancel
Click Next	DHI WEST 2025 64 bit - InstallShield Wizard MIKE local license Select license server name Enter the name of the DHI License Manager server you wish DHI WEST 2025 64 bit to ask for licenses. The Name can be a name of a PC on your network, an IP address or a DNS address. DHI License Manager Server:



Launch the installation	DHI WEST 2025 64 bit - InstallShield Wizard Ready to Install the Program The wizard is ready to begin installation. Click Install to begin the installation. Click Install to begin the installation. If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
Click Install Click Finish	InstallShield
	Powering WATER DECISIONS InstallShield Wizard Completed The InstallShield Wizard has successfully installed DHI WEST 2025 64 bit. Click Finish to exit the wizard. Reference State Stat



4 DHI License File

The DHI license is handled through the DHI License Management software, which can be found under DHI License Administration in the Start Menu.

Installation step	Screen
Open the DHI License Management program in the start menu as administrator (right click and select the option 'Run as Administrator')	D DHI License Administra New DHI License Management New
 There are three options: Internet License Network License Local License (dongle) Click the Help button, for more information or contact your local MIKE Sales representative. 	Port License Management Internet License Server Internet License Server Internet License Server Internet Kense Server Inte



5 Installation and use of external compiler

Depending on the version of WEST installed, the user is required to install and activate an external compiler. **Use of an external compiler is** <u>required</u> for WEST 64-bit, while it is optional for WEST 32-bit. The recommended compiler in this Installation Guide is Microsoft Visual C++ (VC++) compiler, which is available as part of Visual Studio Community 2022 suite.

5.1 Visual Studio Community 2022 Installation

Download Visual Studio Community from https://visualstudio.microsoft.com/downloads/ and launch the installation by running vs_community.exe.

Instructions	Screen
Read Privacy Statement and accept License Terms. Disclaimer: by accepting Microsoft Software License Terms, the user confirms to comply with terms of use of Visual Studio Community products as 3 rd party components.	× Visual Studio Installer Before you get started, we need to set up a few things so that you can configure your installation. To learn more about privacy, see the Microsoft Privacy Statement. By continuing, you agree to the Microsoft Software License Terms.
License terms can also be found here: https://visualstudio.microsoft.co m/license-terms/mlt031819/	Continue
Select the workload Desktop development with C++	Installing—Visual Studio Community 2022—177.6 Workloads Individual components Language packs Installation locations • Need help choosing what to install? More info × • Desktop development with C++ Build modern C++ apps for Windows using tools of your choice, including MSVC, Clang, CMake, or MSBuild. • Mobile development with C++ Build roces-taptions for iOS, Android or Windows using C++. • Build cross-palations for iOS, Android or Windows using C++. • Game development with C++ Build cross-palations applications for iOS, Android or Windows using C++. • Game development with C++ Build cross-palation applications for iOS, Android or Windows using C++. • Create 2D and 3D games with Unity, a powerful cross-platform development environment. • Create 2D and 3D games with Unity. • Create 2D and 3D games with Unity. • Object (C) • Other Toxlocter (5) • Other Toxlocter (5) • Other Toxlocter (5) • Other Toxlocter (5) • Other Toxlocter (5)



Instructions	Screen
In the Installation Details (right hand panel) select all Optional features available to ensure	Installation details
Windows SDK	 Visual Studio core editor
	 Desktop development with C++
	 Included
	 C++ core desktop features
	 Optional
	MSVC v143 - VS 2022 C++ x64/x86 build t
	✓ C++ ATL for latest v143 build tools (x86 &
	Security Issue Analysis
	✓ C++ Build Insights
	Just-In-Time debugger
	C++ profiling tools
	C++ CMake tools for Windows
	Test Adapter for Boost.Test
	Test Adapter for Google Test
	✓ Live Share
	✓ IntelliCode
	C++ AddressSanitizer
	Windows 11 SDK (10.0.22621.0)
	vcpkg package manager
Click Install	C++ MFC for latest v143 build tools (x8b
	<u>R</u> emove out-of-support components
	Total space required 25.18 GB
	Install while downloading 🝷 Install

Once the installation is completed, all components can be retrieved in the folder C:\Program Files\Microsoft Visual Studio\2022\Community\



5.2 Use of external compiler in WEST 32-bit (optional)

If you want to use the C-compiler with a 32-bit version of WEST (optional), you need to modify the automatically generated batch file **WESTStart.bat** located in the folder ...\Public\Documents\DHI\WEST\bin.

Instructions	Screen
Right click on WESTStart.bat and Edit	Swessing Open Swessing Edit UnitEditorStart Print TVars Image: Construction of the system of the syste
Set TORNADO_CC_PLATFORM to win32-msvc	SET INCLUDE=%INCLUDE%;C:\Program Files (x86)\DHI\WEST\2025\include SET LIB=%LIB%;C:\Program Files (x86)\DHI\WEST\2025\lib\win32-msvc SET PATH=C:\Program Files (x86)\DHI\WEST\2025\bin\x64;C:\Program Files (x86)\DHI\WEST\2025\bin\x64;C:\Program Files (x86)\DHI\WEST\2025\bin\x64;C:\Program Files (x86)\DHI\WEST\2025\bin\x64;C:\Program Files (x86)\DHI\WEST\2025\bin\x64;C:\Program Files (x86)\DHI\WEST\2025\bin\x64;C:\Program Files (x86)\DHI\WEST\2025 SET TORNADO_CC_PATH= SET TORNADO_CC_PATH= SET TORNADO_ATA_PATH=C:\Users\Public\Documents\DHI\WEST\2025 SET TORNADO_PATH=C:\Program Files (x86)\DHI\WEST\2025 SET OPENMODELICAHOME=C:\Program Files (x86)\DHI\WEST\2025 SET OPENMODELICAHOME=C:\Program Files (x86)\DHI\WEST\2025 START DHI.WEST\2025\third_party\omc START DHI.WEST.exe %* EXIT
Add the following statement as first line: CALL "C:\Program Files\Microsoft Visual Studio\2022\Community\VC\A uxiliary\Build\vcvars64.bat" Mind the use of " " quotes. Note: The path to vcvars32.bat file may differ depending on the version of Visual Studio installed (in this case, it refers to 2022 version)	CALL "C:\Program Files\Microsoft Visual Studio\2022\Community\VC\Auxiliary\Build\vcvars64.bat" SET INCLUDE=%INCLUDE%;C:\Program Files (x86)\DHI\WEST\2025\lib\win32-msvc SET PATH=C:\Program Files (x86)\DHI\WEST\2025\bin\x64;C:\Program Files (x86)\DHI\WEST\2025\bin;%PATH% SET TORNADO_CC_PLATFORM=win32-msvc SET TORNADO_CC_PATH= SET TORNADO_CC_PATH= SET TORNADO_ROT_PATH=C:\Vsers\Public\Documents\DHI\WEST\2025 SET OPRMODELICAHOME=C:\Program Files (x86)\DHI\WEST\2025\third_party\omc START DHI.WEST.exe %* EXIT
If necessary, replace the line SET LIB=%LIB%;C:\Program Files (x86)\DHI\WEST\2025\lib\win3 2-msvc with the line SET LIB=%LIB%;C:\Program Files (x86)\DHI\WEST\2025\lib	CALL "C:\Program Files\Microsoft Visual Studio\2022\Community\VC\Auxiliary\Build\vcvars64.bat" SET INCLUDE=%INCLUDE%;C:\Program Files (x86)\DHI\WEST\2025\include SET LIB=%LIB%;C:\Program Files (x86)\DHI\WEST\2025\bin\x64;C:\Program Files (x86)\DHI\WEST\2025\bin;%PATH% SET TORNADO_CC_PLATFORM=win32-msvc SET TORNADO_CC_PATH= SET TORNADO_CC_PATH= SET TORNADO_ROT_PATH=C:\Program Files (x86)\DHI\WEST\2025 SET OPENMODELICAHOME=C:\Program Files (x86)\DHI\WEST\2025\third_party\omc START DHI.WEST.exe %* EXIT



Instructions	Screen
Save WESTStart.bat and launch WEST	



5.3 Use of external compiler in WEST 64-bit (required)

In order to enable WEST 64-bit to use the C-compiler, you need to modify the automatically generated batch file **WESTStart.bat** located in the folder ...\Public\Documents\DHI\WEST\bin.

Instructions	Screen
Right click on WESTStart.bat and Edit	SWESTStart Open WEST3Conversion Edit UnitEditorStart Print TVars Image: Conversion of the system of th
Add the following statement as first line: CALL "C:\Program Files (x86)\Microsoft Visual Studio\2022\Community\VC\A uxiliary\Build\vcvars64.bat" Mind the use of " " quotes. Note: The path to vcvars64.bat file may differ depending on the version of Visual Studio installed (in this case, it refers to 2022 version)	CALL "C:\Program Files\Microsoft Visual Studio\2022\Community\VC\Auxiliary\Build\vcvars64.bat" SET INCLUDE=%INCLUDE%;C:\Program Files (x86)\DHI\WEST\2025\lib\win64-msvc SET LIB=%LIB%;C:\Program Files (x86)\DHI\WEST\2025\bin\x64;C:\Program Files (x86)\DHI\WEST\2025\bin;%PATH% SET TORNADO_CC_PLATFORM=win64-msvc SET TORNADO_CC_PATH= SET TORNADO_CC_PATH= SET TORNADO_DATA_PATH=C:\Users\Public\Documents\DHI\WEST\2025 SET OPENMODELICAHOME=C:\Program Files (x86)\DHI\WEST\2025 SET OPENMODELICAHOME=C:\Program Files (x86)\DHI\WEST\2025\third_party\omc START DHI.WEST.exe %* EXIT
If necessary, replace the line SET LIB=%LIB%;C:\Program Files (x86)\DHI\WEST\2025\lib\win6 4-msvc with the line SET LIB=%LIB%;C:\Program Files (x86)\DHI\WEST\2025\lib Optionally, if faster compilation at the expense of slower simulation is desired, add the following to WESTStart.bat: SET TORNADO_CC_OPTIMIZE=no	CALL "C:\Program Files\Microsoft Visual Studio\2022\Community\VC\Auxiliary\Build\vcvars64.bat" SET INCLUDE=%INCLUDE%;C:\Program Files (x86)\DHI\WEST\2025\include SET LIB=%LIB%;C:\Program Files (x86)\DHI\WEST\2025\bin\x64;C:\Program Files (x86)\DHI\WEST\2025\bin;%PATH% SET TORNADO_CC_PLATFORM=win64-msvc SET TORNADO_CC_PATH= SET TORNADO_DATA_PATH=C:\Users\Public\Documents\DHI\WEST\2025 SET TORNADO_ROOT_PATH=C:\Program Files (x86)\DHI\WEST\2025\third_party\omc START DHI.WEST.exe %* EXIT CALL "C:\Program Files\Microsoft Visual Studio\2022\Community\VC\Auxiliary\Build\vcvars64.bat" SET IORNADO_ROT_PATH=C:\Program Files (x86)\DHI\WEST\2025\third_party\omc START DHI.WEST.exe %* EXIT CALL "C:\Program Files\Microsoft Visual Studio\2022\Community\VC\Auxiliary\Build\vcvars64.bat" SET IORNADO_CO_PTH=C:\Program Files (x86)\DHI\WEST\2025\include SET LB=%LIB%;C:\Program Files (x86)\DHI\WEST\2025\bin\x64;C:\Program Files (x86)\DHI\WEST\2025\bin;%PATH% SET TORNADO_CC_PATH= SET TORNADO_CC_PATH= SET TORNADO_CC_PATH= SET TORNADO_CC_PATH= SET TORNADO_CC_PATH= SET TORNADO_CC_PATH= SET TORNADO_CC_PATH=C:\Vsers\Public\Documents\DHI\WEST\2025 SET ORNADO_ADA_PATH=C:\Vsers\Public\Documents\DHI\WEST\2025 SET ORNADO_CC_PATH= SET TORNADO_CC_PATH= SET TORNADO_CC_PATH=C:\Program Files (x86)\DHI\WEST\2025 SET ORNADO_CC_PATH=C:\Program Files (x86)\DHI\WEST\2025



Instructions	Screen
Save WESTStart.bat and launch WEST	