

MIKE+



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1 Introduction

This installation guide covers the installation of MIKE+ and required 3rd party software.

MIKE+ can be deployed in different ways using local SQLite database or a PostgreSQL database server – ranging from a personal installation to a corporate installation.

For PostgreSQL, you have these two options:

- 1. Personal installation, which allows users to work in a network-independent mode on their desktop. This requires the installation of a database on the local computer.
- 2. Corporate installation, which allows for an office to have multiple installations (clients) all working against a central database server.

Furthermore, ArcGIS Pro may optionally be also installed, when purchased as part of MIKE+ ArcGIS.



2 Installation Prerequisites

MIKE+ depends on several prerequisites as listed below:

- 1. If you want to use a local SQLite database, SQLite database with a SpatiaLite extension is required. It is included in the MIKE+ installer and will be installed automatically with MIKE+.
- 2. If you want to use a PostgreSQL database, a PostgreSQL database server with the PostGIS spatial database extension is required. The installers of PostgreSQL and PostGIS are included in a separate "Prerequisites" sub-folder of the MIKE+ installation. MIKE+ supports the following versions of the two products: PostgreSQL 15.4 and PostGIS 3.4. Combinations of later versions may also work, but have not been tested.
- 3. The DHI License Management application. It may need to be downloaded separately from the MIKE+ installer depending on the type of DHI license you plan to use. Refer to chapter 4 for more information.
- 4. .NET framework 4.7.2 or higher. Microsoft .NET Desktop Runtime 6.0.5, or a later patch release, is also required for ArcGIS Pro 3.1.



3 MIKE+ Installation/Upgrade

The installation process consists of four parts.

- 1. Installation of MIKE+.
- 2. Optional installation of DHI License Management.
- 3. Optional installation of PostgreSQL and PostGIS.
- 4. Optional installation of ArcGIS Pro.

Installation of MIKE+ software is simple and requires no user interactions beyond accepting the license conditions, specifying the installation folder and languages that should be installed besides English, and includes installation of the personal database SQLite with a SpatiaLite extension.

The following table explains how to install MIKE+.

If you need to install or update the DHI License Management, follow the steps described in chapter 4. If you need to install or update the version of PostgreSQL and PostGIS, follow the steps described in APPENDIX A. If you need to install ArcGIS Pro, follow the steps described in APPENDIX D.

Installation step	Screen
Run the <i>setup.exe</i> program file from the installation media/download folder, in the 'MIKE+' folder.	DHI MIKE+ 2024 - InstallShield Wizard X Powering WATER DECISIONS
Click Next	Welcome to the InstallShield Wizard for DHI MIKE + 2024 The InstallShield(R) Wizard will install DHI MIKE + 2024 on your computer. To continue, dick Next. WARNING: This program is protected by copyright law and international treaties. < Back Next >



Installation step	Screen
Accept the license agreement Click Next	DHI MIKE+ 2024 - InstallShield Wizard X License Agreement Please read the following license agreement carefully.
	1 LEGAL NOTICE 1.1 You are about to install and/or use software developed by DHI A/S ("DHI") and its licensors (the "Software"). Please read this legal notice carefully as it includes important information about how you may and may not use the Software. 1.2 You are only allowed to install and/or use the Software if You or a legal entity on behalf of You have obtained a valid license for you to do so. If you or a legal entity on behalf of you have not obtained a valid license to install and/or use the Software, you are not allowed to do so and doing so will be illegal. 1.3 Anv license to use and anv use of the Software is subject to the regulation set out on I accept the terms in the license agreement Print I do not accept the terms in the license agreement InstallShield < Back
Select the languages you want to install on the computer (besides English)	DHI MIKE+ 2024 - InstallShield Wizard X Custom Setup Select the program features you want installed.
Click Next	Click on an icon in the list below to change how a feature is installed. French Language files Spanish Language files Spanish Language files Polish Language files Norean Language files German Language files Czech Language files Cinese Language files Cinese Language files Cinese Language files Cirese Language
Select the license type. This may be modified after the installation if required. Click Next	DHI MIKE+ 2024 - InstallShield Wizard X License selection Select license type
	 Unchanged. Keep current form of license management. Select this option if you have an internet license. 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



Installation step	Screen
Click Install	 DHI MIKE+ 2024 - 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.
	InstallShield Kenter Stack Install Cancel
Wait	DHI MIKE+ 2024 - InstallShield Wizard Installing DHI MIKE+ 2024 The program features you selected are being installed. Please wait while the InstallShield Wizard installs DHI MIKE+ 2024. This may take several minutes. Status: Copying new files InstallShield InstallShield A Reak Next > Cancel
Click Finish	DHI MIKE+ 2024 - InstallShield Wizard Powering WATER DECISIONS InstallShield Wizard Completed The InstallShield Wizard has successfully installed DHI MIKE+ 2024, Click Finish to exit the wizard. Forward by DHI



Installation step	Screen
If you have installed another language than English, Open MIKE+ to finish the language configuration.	MIKE + 2024 ^ Image: Second system
Go to the File menu, and select User preferences . Select the desired language, and close MIKE+.	User preferences X Language English Preferred unit system English Use single editor style Erman Show warning on undo Japanese Auto-load result files aft Chinese Polish Russian Auto-restore layouts wh Czech Ukrainian Ukrainian Report max row count per table preview 200 Image: Cancel OK Cancel



4 DHI License Management

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

Important information: If you plan to use a local DHI license bound to a dongle, you must install the DHI License Manager before following the steps below. The installer for the DHI License Manager must be downloaded separately from the MIKE+ installer. This additional installation is however not required for an Internet license. For a network license installation, the DHI License Manager is required only on the server, but not on the client computers.

Installation step	Screen
Open the DHI License Management program in the start menu as Administrator	DHI License Administra New A
Three license types are available:	Otel License Management - × Internet License Server
 Internet License (no 	The server Server Server Server Sessions of Offine
```	MVEL MEAN 2020     Internet loonse server     MVEL MEAN 2020     User name (email):     Connect
dongle)	Remote Sinulation 2020 Eastword: •••••• Settings
<ul> <li>Server License, with license and dongle on a network server</li> <li>Server license, with license and dongle on local PC</li> <li>Choose a license server installation if you have a license bound to a dongle, or Internet license otherwise.</li> <li>Refer to the documentation found with the <b>Help</b> button for more information.</li> </ul>	Image: Strategy       Image: Strategy         Image: Strategy       Strategy         Image: Str



# APPENDIX A: Install PostgreSQL and PostGIS

As mentioned in Chapter 2, it is possible to use a PostgreSQL database.

#### PostgreSQL Installation

The following table explains how to install a PostgreSQL database. The postgresql-xx.x-x-windows-x64.exe installer is located in the "Prerequisites" sub-folder of the MIKE+ installation.

Installation step	Screen
Run the database installation program e.g. postgresql-xx.x-x-windows- x64.exe	
Start of installation Click Next	PACKAGED BY       Setup - PostgreSQL         Image: Discrete control of the postgreSQL Setup Wizard.         Image: Discrete control of the postgreSQL Setup Wizard.
	< Back Next > Cancel
Accept the default installation folder <b>Click</b> Next	Setup  Installation Directory  Please specify the directory where PostgreSQL will be installed. Installation Directory C: \Program Files\PostgreSQL\15
	< Back Next > Cancel



Installation step	Screen
Accept the default selected components. <b>Click</b> Next	Select Components Select Components Select the components you want to install; clear the components you do not want to install. Click Next when you are ready to continue. PostgreSQL Server pgAdmin 4 Stack Builder Click on a component to get a detailed description Click on a component to get a detailed description Click on a component to get a detailed description Wware InstallBuilder
Accept the default data folder. Click Next	Setup Data Directory Please select a directory under which to store your data. Data Directory Please select a directory :: Program Files PostgreSQL\15\data
Type in a password for the postgres user (the administrator for the database server). <b>Click</b> Next	Setup  Password  Please provide a password for the database superuser (postgres).  Password  Retype password  VMware InstallBuilder <a href="https://www.setailbuilder">ketype cancel</a> VMware InstallBuilder



Installation step	Screen
Accept the default port number (5432) Click Next	Setup  Port  Please select the port number the server should listen on.  Port 5432  WMware InstallBuilder  < Back Next > Cancel
Leave the "Locale" as "Default Locale" <b>Click</b> Next	Setup Advanced Options Select the locale to be used by the new database duster. Locale [Default locale] VMware InstallBuilder <back next=""> Cancel</back>
Verify the installation summary. <b>Click</b> Next	Setup     Pre Installation Summary     The following settings will be used for the installation::     Installation Directory: C:\Program Files\PostgreSQL\15     Server Installation Directory: C:\Program Files\PostgreSQL\15     Data Directory: C:\Program Files\PostgreSQL\15     Database Superuser: postgres     Operating System Account: NT AUTHORITY\WetworkService     Database Superuser: postgres     Operating System Account: NT AUTHORITY\WetworkService     Database Superuser: C:\Program Files\PostgreSQL\15     padmin4 Installation Directory: C:\Program Files\PostgreSQL\15     padmin4 Installation Directory: C:\Program Files\PostgreSQL\15     padmin4 Installation Directory: C:\Program Files\PostgreSQL\15     Installation Log: C:\Users\mjh\AppData\Local\Temp\install-postgresql.log      WMware InstallBuilder <ul> <li><a href="#disdlow">Mext &gt; Cancel</a></li> </ul>



Installation step	Screen
Click Next	📲 Setup — 🗆 X
	Ready to Install
	Setup is now ready to begin installing PostgreSQL on your computer.
	VMware InstallBuilder
	< Back Next > Cancel
Installing	Setup — — X
	Installing
	Please wait while Setup installs PostgreSQL on your computer. Installing Unpacking C:\Program Files\PostgreSQL\14\include\server\access\rmgr.h
	VMware InstallBuilder 
The database server	
installation has finished	PACKAGED BY Completing the PostgreSQL Setup Wizard
Click off the "Launch Stack Builder at exit?" option and	Setup has finished installing PostgreSQL on your computer. Launch Stack Builder at exit?
then <b>click</b> Finish	Stack Builder may be used to download and install additional tools, drivers and applications to complement your PostgreSQL installation.
	(Fill)
	PostgreSQL
	< Back Finish Cancel



#### **PostGIS Installation**

The following table explains how to install PostGIS database extension. The postgisbundle-pg14x64-setup-x.x.x-x.exe installer is located in the "Prerequisites" sub-folder of the MIKE+ installation.

Installation step	Screen
Run the PostGIS installation program (e.g. postgis-bundle- pg15x64-setup-x.x.x-x.exe)	
Start of installation Click I Agree	PostGIS Bundle 3.4.0 for PostgreSQL x64 15 Setup     O     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C     C
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Keep default list of components. Click Next	PostGIS Bundle 3.4.0 for PostgreSQL x64 15 Setup     Choose Components     Choose Which features of PostGIS Bundle 3.4.0 for PostgreSQL     x64 15 you want to install.     Check the components you want to install and uncheck the components you don't want to     install. Click Next to continue.     Select components to install:         PostGIS Bundle         Create spatial database         Register PROJ_LIB Env Ve         Register GDAL_DATA Env         Pinable Key GDAL Drivers         Finable AI GDAL Drivers         Allow Out-db Rasters         Register SS. Bundle         Register SS. Bundle
	Nullsoft Install System v3.08       < Back



Installation step	Screen
Accept the default folder. Click Next	PostGIS Bundle 3.4.0 for PostgreSQL x64 15 Setup     Oncose Install Location     Choose Install Location     Choose the folder in which to install PostGIS Bundle 3.4.0 for     PostgreSQL x64 15.     Setup will install PostGIS Bundle 3.4.0 for PostgreSQL x64 15 in the following folder. To install     in a different folder, dick Browse and select another folder. Click Next to continue.
	Destination Folder         C:\Program Files\PostgreSQL\15\         Browse         Space required: 285.9 MB         Space available: 14.3 GB         Nullsoft Install System v3.08         < Back
Installing	PostGIS Bundle 3.4.0 for PostgreSQL x64 15 Setup     Installing     Please wait while PostGIS Bundle 3.4.0 for PostgreSQL x64 15 is     being installed.     Extract: GDALLogoBW.svg     Show details
	Nullsoft Install System v3.08
The installation has finished <b>Click</b> Close	PostGIS Bundle 3.4.0 for PostgreSQL x64 15 Setup     Installation Complete     Setup was completed successfully.      Completed      Show details      Nullsoft Install System v3.08      < Back      Close Cancel



# APPENDIX B: Advanced PostgreSQL Database management tool

The PostgreSQL database password provided during installation can be stored in the database for easy access in the future. It is an optional configuration.

Installation step	Screen
Start the pgAdmin 4 database administration tool from the Windows Start menu	Image: provide the search     All apps     Phone Link
In the left panel, expand the list of servers	Control of the Cont
It will request a password to connect to the database. If this window doesn't show up, <b>right</b> <b>click</b> the database server and select "Connect Server" <b>Provide</b> the password for the postgres user and tick on the "Save Password" option <b>Click</b> OK	Connect to Server  Please enter the password for the user 'postgres' to connect the server - "PostgreSQL 14" Password  Save Password  Concel  Concel



# APPENDIX C: Configuring the PostgreSQL Database Server for remote access

**IMPORTANT:** This is only needed if the database server shall accept connection from remote computers.

The section describes how to configure the PostgreSQL database server for running in corporate mode.

Installation step	Screen						
Locate the pg_hba.conf file in the data folder (C:\Program	☐ data       ③ New ~     →     □     □		1↓ Sort -> ■ View -> ····		-	D	×
Files\PostgreSQL\15\data)		C:) > Program Files > Post	greSQL > 15 > data ∨ ♂				
and open it in an editor e.g.	📩 Quick access	Name		Date modified	Туре		1
	📥 OneDrive - DHI	CONF File (4) E pg_hba.conf		5 KB 19/04/2023 16:04	CONF File	-	
Notepad	💻 This PC	pg_ident.conf	k	2 KB 19/04/2023 16:04	CONF File		
	🛄 Libraries	postgresql.auto.conf           image: postgresql.conf         image: postgresql.conf		1 KB 19/04/2023 16:04 30 KB 19/04/2023 16:04	CONF File CONF File		
	Setwork	<ul> <li>File (2)</li> </ul>					
		current_logfiles		1 KB 19/04/2023 16:04			
		PG_VERSION     File folder (18)		1 KB 19/04/2023 16:04			
		base		19/04/2023 16:04	File folder		
		global		19/04/2023 16:08	File folder		
		log pg_commit_ts		19/04/2023 16:04 19/04/2023 16:04	File folder File folder		
		pg_dynshmem		19/04/2023 16:04	File folder		
		pg_logical pg_multixact		19/04/2023 16:09 19/04/2023 16:04	File folder File folder		
		pg_notify		19/04/2023 16:04	File folder		
	26 items   1 item selected 4.57 KB			10/01/2022 12:01	P31 2-13-1		
<b>Insert</b> new line(s) to open up for all non-local connections to	<pre>*pg_hba.conf - Notepad File Edit Format View H # "all", "sameuser",</pre>		replication" makes the	name lose	-		×
database as shown on the	<pre># its special charact</pre>		tch a database or userr				
	# that name.						
right	<pre># This file is read o</pre>	n server startu	p and when the server r	receives a			
-			le on a running system,				
Open for IPv4:	# SIGHUP the server + # or execute "SELECT		to take effect, run "pg )".	g_ctl reload",			
	#		, -				
host all all 0.0.0.0/0 scram-	<pre># Put your actual con #</pre>						
	#						
sha-256			nections, you need to a				
			will also need to make a the listen_addresses	PostgreSQL			
Open for IPv6:			e -i or -h command line	switches.			
-							
host all all ::0/0 scram-sha-							
256	# TYPE DATABASE	USER	ADDRESS	METHOD			
230	# "local" is for Unix						
	local all	all	connections only	scram-sha	a-256		
	# IPv4 local connecti	ons:					
	host all # IPv6 local connecti	all	127.0.0.1/32	scram-sha	a-256		
Adjust spaces!	host all	all	::1/128	scram-sha	a-256		
	# Allow replication c		localhost, by a user w				
Save the configuration.	<pre># replication privile local replication</pre>	ge. all		scram-sha	-256		
č	host replication	all	127.0.0.1/32	scram-sha			
	host replication	all	::1/128	scram-sha			
	host all host all	all all	0.0.0.0/0 ::0/0	scram-sha scram-sha			
				Set un-Sile			~
	<						>
			Ln 96, Col 78 10	0% Windows (CRI	LF) UTF-8		

Start by enabling password save as shown in APPENDIX B.



Installation step	Screen				
Open the Task Manager	Task Manager File Options View			- 0	×
Restart the PostgreSQL		App history S	tartup Users Details Services		
services to apply the update.	Name	PID	Description	Status	
			Contact Data		
	PimIndexMaintenanceS PimIndexMaintenanceS		Contact Data Contact Data 1517c7	Stopped	
		vc	Contact Data_1517c7 Performance Logs & Alerts	Stopped	
	🤹 pla 🤹 PlugPlay	1108	Plug and Play	Stopped Running	
	PlugPlay	1106	PNRP Machine Name Publication Service	Stopped	
			Peer Name Resolution Protocol	Stopped	
	PolicyAgent	8704	IPsec Policy Agent	Running	
	postgresgl-x64-15	12412	nostaresal-x64-15	Running	- i
	Q Power	Start	4 101 15	Running	
	C PrintNotify	Stop	ensions and Notifications	Stopped	
	RrintWorkflowUser	Restart	flow	Stopped	- i
	RrintWorkflowUser	Restart	flow 1517c7	Stopped	1
	Ref ProfSvc	Open Services	e Service	Running	- L.
	🔍 PushToInstall	Search online	PushToInstall Service	Stopped	1.1
	QWAVE	Go to details	indows Audio Video Experience	Stopped	1
	🔍 RasAuto		Remote Access Auto Connection Manager	Stopped	1.1

### Configuring the Windows Firewall for remote access to PostgreSQL

The section describes how to configure the Windows firewall for PostgreSQL running in enterprise mode.

Installation step	Screen	
Open the Firewall applet in the Windows Control Panel <b>Click</b> Advanced Settings	Control Panel Home Allow an app or feature through Workows Defender Friewall Common Control Control Restore defaults Advanced settings Troubleshoot my network See also Security and Maintenance	a Pand L. > Windows Defender Firewall       > O       P         Help protect your PC with Windows Defender Firewall       P       P         Windows Defender Firewall can help prevent hackers or malicious software from gaining access to your PC through the intenter or a network.       Image: Connected Connec
Select Inbound Rules Click New Rule in the Actions panel to the right	Connection Rules     Connection Rules     Connection Security Rules     Connection Securit	Anneed Security



Installation step	Screen
Select Port Click Next	New Inbound Rule Wizard <b>Rule Type</b> Select the type of friewall rule to create.   Steps: • Rule Type   • Rule Type What type of rule would you like to create?   • Rule Type • Protocol and Ports   • Action • Program   • Profile • Port   • Name • Port   • Rule that controls connections for a program.   • Port   • Rule that controls connections for a TCP or UDP pot.   • Profile   • Name   • Cutom   Custom rule.
Select TCP, Specific local ports and enter 5432 (or the port number specified when installing PostgreSQL) Click Next	New Inbound Rule Wizard Protocol and Ports Specify the protocols and ports to which this rule apples.   Steps:   Protocol and Ports   OUDP   Protice   Name   Does this rule apply to all local ports or specific local ports?   All local ports   Specific local ports:   Specific local ports   Example: 80, 443, 5000-5010   (ancel)
Select Allow the connection Click Next	Image:



Installation step	Screen
Click on for all profiles Click Next	
Specify a rule name – e.g. "PostgreSQL (5432)" – and a description <b>Click</b> Finish	
The new rule is now added to the list of Inbound rules	Windows Defender Frevall with Advanced Security         File Action View Help                     Windows Defender Frevall with Advanced Security                       Windows Defender Frevall with Advanced Security               Infourme Rules               Monter Rules               Reference Security Rule               Reference Security Rule               Portige Security Rule               Reference Security Rule               Portige Security               Portige               Portige Security               Portige Security               Portige Security               Portige Security               Portige Security               Portige Security



# APPENDIX D: Install ArcGIS Pro

The ArcGIS Pro installation is carried out in two stages:

- 1. Installation of ArcGIS Pro.
- 2. Authorization of the license as named user (preferred option, applicable to single use as well as concurrent use licenses), or Concurrent license using EFL code or local license.

#### ArcGIS Pro Installation

The following table explains how to install ArcGIS Pro. The ArcGISPro.msi installer is located in the "Prerequisites" sub-folder of the MIKE+ installation.





Installation step	Screen
Select I accept the master agreement Click Next	ArcGIS Pro Setup          Master Agreement       You must agree with the master agreement below to proceed.         Master Agreement       Image: Comparison of the parties regarding your acquisition of these Fsri Offerings and Services Please read the terms and conditions         I accept the master agreement       Print         I do not accept the master agreement       Print
Select Anyone who uses this computer (all users) Click Next	Acceement PDF's (all languages) < Back Next > Cancel
Click Next	ArcGIS Pro Setup          Destination Folder         Select a folder where the application will be installed.         Install ArcGIS Pro to:         C:\Program Files\ArcGIS\Pro\    Change
	< Back Next > Cancel



Installation step	Screen
Click Install	ArcGIS Pro Setup          Ready to Install the Program         The wizard is ready to begin installation.
	If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard. Would you like to anonymously participate in the design of future versions of ArcGIS? Click here to participate in the Esri User Experience Improvement program. (Recommended)
	Learn more about Esri User Experience Improvement         < Back
Click Finish	ArcGIS Pro Setup ×
	Click the Finish button to exit this installation.
	Run ArcGIS Pro now.
	< Back Einish Cancel

#### Authorization with a named user license

The named license (single use as well as concurrent use) provides an easy procedure for authorization and no physical license server is needed. If you have a named user license of ArcGIS Pro software, please follow these instructions to authorize the product.

To authorize a named user license, you must have received an activation e-mail. The first user in your organization activating the link will be assigned as 'company admin'. The activation link will lead the user to create an online portal where ArcGIS Pro licensing, adding / removing users and sharing projects / maps based on the cloud solution can be done.

To proceed with the authorization, make sure you have the activation e-mail ready and you are connected to the Internet.

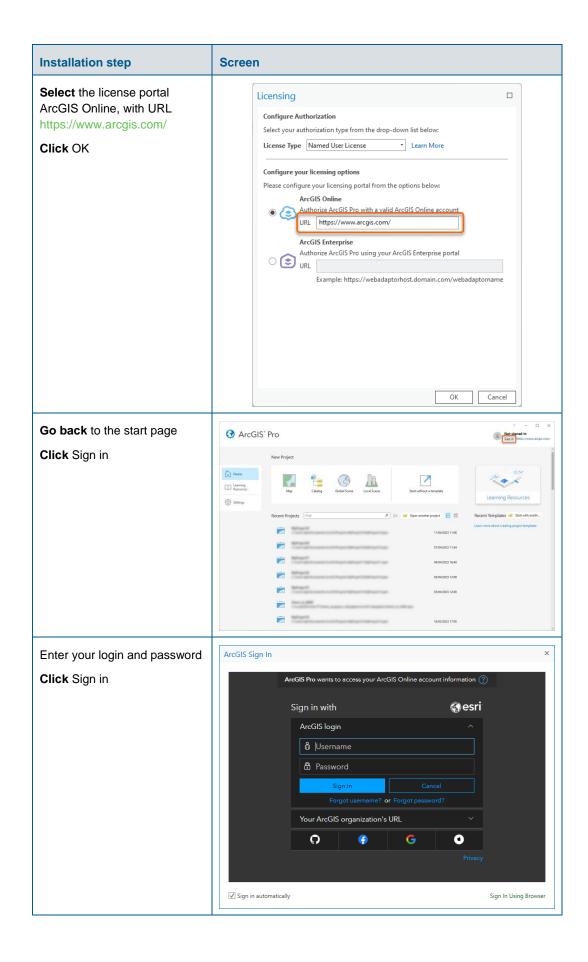


Installation step	Screen
<b>Click</b> on the activation link and follow the indications to create the Online portal for your organization To explore the functionality of ArcGIS online, click on 'Self- Help Resources'	Hello: Here is the information for activating your ArcGIS Online subscription. To activate your subscription, click the following link or copy it into your browser: <u>https://www.arcgis.com/home/activate.html?activationcode=21c10c00938dbd50c2a5</u> Review the terms of use. <b>Your Subscription Information</b> Keep the following subscription ID for your records and reference it if you need to contact us. <b>Subscription ID:</b> XXXXXXXX Customer number:XXXXXX Customer Name: DHI <b>Self-Help Resources</b> ArcGIS Online help ArcGIS Online integration and the subscription integration in
The first user clicking on the activation mail will be assigned as company admin automatically. The company admin then invites members to join the online portal as well as assigning ArcGIS Pro license. The invitation letter to new member must be activated within 14 days.	An invitation to join an ArcGIS Online organization, DHI A/S - DHI Water Environment Health.
To assign ArcGIS Pro license to existing members, click on the tab 'License' \ 'Manage'. You can follow the video for demonstration basics on ArcGIS online from <u>here</u> .	Home       Gallery       Map       Score       Natebook       Groups       Current       Organization       Q       Q       III       Organization         DH1 A/S - DH1 Water Environment Health       Owneew       Marchen       Lorentes       Socies       Socies       Socies       Socies       Socies       Socies       Socies       Socies       Socies       Comparison       Vertices       Socies
Activate your named user license on the local installation of ArcGIS Pro: Start ArcGIS Pro <b>Click</b> Settings	ArcGIS' Pro      ArcGIS' Pro      New Project      Mere Proje



Installation step	Screen
Click Licensing	Note       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P       P
Click Configure your licensing options	ArdSBw     7     -     X       ArdSB Po Named User Licence     Image: Article Point Image: Article Poi
Select the license type 'Named User License'	Licensing         Configure Authorization         Select your authorization type from the drop-down list below:         License Type         Named User License         Learn More         Configure your licensing options         Please configure your licensing portal from the options below:         ArcGIS Online         Image: Configure your licensing portal from the options below:         ArcGIS Doline         Image: Configure your licensing portal from the options below:         URL         Image: Configure your licensing portal from the options below:         Authorize ArcGIS Pro with a valid ArcGIS Online account         URL         Image: Configure your licensing your ArcGIS Enterprise portal         URL         URL         URL         URL         URL         Example: https://webadaptorhost.domain.com/webadaptormame







#### Authorization with a network license server and EFL code

You have received a network license of ArcGIS Pro software with an ELF code (Concurrent use license, with format EFLXXXXXXXX). Please follow these instructions to authorize the product.

The ArcGIS License Manager in version 2022.1 or higher must be installed in order to make the licenses available. If you wish to use the software on your local PC without making it available in a network, you can install the license manager on the local PC. If you wish to use a setup where you use a local installation of ArcGIS Pro and acquire its license from a license server, you can install it on a server in your local network.

The corresponding installer is located in the "Prerequisites" sub-folder of the MIKE+ installation, under the folder ArcGIS License Manager 20XX.X. If you already have an older version installed, please install the newer version, then the older version will be overwritten. Detailed info can be found here: <u>https://pro.arcgis.com/en/pro-app/get-started/authorize-arcgis-pro-with-concurrent-use-licenses.htm</u>

ArcGIS License Manager 2022.1 Setup × Welcome to the ArcGIS License Manager 2022.1 Setup program It is strongly recommended that you exit all Windows programs before running this setup program. Click Cancel to quit setup and dose any programs you have running. Click Next to continue the installation. WARNING: This program is protected by copyright law and
international treaties. Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.
ArcGIS License Manager 2022.1 Setup X Master Agreement You must agree with the master agreement below to proceed.
Master Agreement (E204CW)         Revised November 1, 2022         IMPORTANT-READ CAREFULLY         Unless superseded by a signed license agreement between you and         Esri, Esri is willing to provide Esri Offerings and Services to you only if         you accept all terms and conditions contained in this Agreement as the         sole and final agreement of the parties regarding your acquisition of         these Esri Offerings and Services Please read the terms and conditions         I accept the master agreement         Print         I do not accept the master agreement         Agreement PDFs (all languages)



Installation step	Screen
Click Next	ArcGIS License Manager 2022.1 Setup          Destination Folder         Select a folder where the application will be installed.         Install ArcGIS License Manager 2022.1 to:         C:\Program Files\ArcGIS\LicenseManager\
	< Back Next > Cancel
Click Install The process may take several minutes	ArcGIS License Manager 2022.1 Setup  Ready to Install the Program  The wizard is ready to begin 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.
	< Back Install Cancel
Click Finish	ArcGIS License Manager 2022.1 Setup X ArcGIS License Manager 2022.1 has been successfully installed. Click the Finish button to exit this installation.
	< Back Finish Cancel



Installation step	Screen
Select the version: Pro X.X- X.X Click Authorize now	ArcGIS License Server Administrator - 2022.1 – × ArcGIS (MUH-PC2) StartStop License Se Configure Availability Availability Diagnostics To authorize your products and extensions, you must first authorize them on your license server and start the service. To authorize your products and extension, please select the version to license and then click Authorize Now below to start the Software Authorization Wizard. Pro 1.4-3.1 • Authorize Now To remove licenses from your license server click Deauthorize:
	Deauthorize     Generate a configuration file for Portal 10.6:       Machine IDs     Generate acconfiguration file for Portal 10.6:       Help     License Server Status: RUNNING         OK     Cancel
Select 'I have installed my software and need to authorize it' Select the product ArcGIS Pro Click Next	<ul> <li>Software Authorization Wizard</li> <li>Authorization Options <ul> <li>You must authorize the license server prior to use. Select from the options below.</li> </ul> </li> <li>Authorization Options <ul> <li>I have installed my software and need to authorize it.</li> <li>I have already authorized the software and need to authorize additional extensions.</li> <li>I have received an authorization file from ESRI and am now ready to finish the authorization process.</li> <li>Browse</li> </ul> </li> <li>Product to be Authorized <ul> <li>ArcGIS Desktop</li> <li>ArcGIS CityEngine</li> <li>ArcGIS LocateXT</li> </ul> </li> <li><ul> <li>Back</li> <li>Next&gt; Cancel</li> </ul> </li> </ul>



Installation step	Screen	
Select this option	Software Authorization Wizard	$\times$
Click Next	Authorization Method Select the method you want to use to authorize the software.	
	Authorize with ESRI now using the Internet. (fhis automatic method is the easiest way to authorize. It requires an Internet connection.)	
	$\ensuremath{\mathbb{C}}$ Authorize at ESRI's website or by email to receive your authorization file.	
	C Authorize your software from a local license server.	
	< Back Next > Cancel	



Installation step	Screen	
Installation step Fill in the necessary information Click Next	Software Authorization Wiza Authorization Information	g information to verify our records and authorize your
	*Phone Number: *Email: Comment:	+4545169200 mike@dhigroup.com Optional user-defined authorization description.



	Installation step	Screen		
*Your Organization:     *Your Industry:     Water Resources     *Yourself:     Other     The personal information you supplied is protected under ESRI's privacy policy. It you want to view ESRI's privacy policy, click the View button below.	information	Authorization information We will use the follow	on (continued) wing information to verify our records and authorize your	×
*Your Industry: Water Resources     *Yourself: Other      The personal information you supplied is protected under ESRI's privacy policy. It you want to view ESRI's privacy policy, click the View button below.				
The personal information you supplied is protected under ESRI's privacy policy. If you want to view ESRI's privacy policy, click the View button below.		-		
The personal information you supplied is protected under ESRI's privacy policy. If you want to view ESRI's privacy policy, click the View button below.		*Yourself:	Water Resources  Other	
< Back Next > Cance				



Installation step	Screen	
<b>Fill</b> in your ArcGIS Authorization code starting with EFL and select the number of seats you would like to authorize (1 seat per purchased license)	<ul> <li>Software Authorization Wizard</li> <li>Software Authorization Number Enter the authorization number for your software product</li> <li>The authorization number consists of three letters and a series of numbers; similar to ABC123456789.</li> </ul>	<
If you have already authorized some seats earlier, they cannot be authorized again unless you have de-authorized them <b>Click</b> Next	ArcGIS Desktop Advanced       No. of Licenses         ArcGIS Desktop Standard       1         ArcGIS Desktop Basic       1	
	< Back Next > Cancel	]



Installation step	Screen
The authorization process may take a couple of minutes	Software Authorization Wizard X Authorizing Software
	Authorizing Software
	< Back Finish Cancel
Click Finish	Software Authorization Wizard X Authorizing Software
	Authorizing Software Congratulations, your software has been authorized and is now ready for use.
	< Back Finish Cancel



Installation step	Screen
Select Availability from the menu, and you will see which licenses you have available <b>Click</b> OK	ArcGIS License Server Administrator - 2022.1   ArcGIS (CHY-PC2)   Start/Stop License Ser   Configure   Authorization   Authorization   Diagnostics     Refresh   View License Usage     Help   License Server Status: RUNNING     OK   Cancel
Start ArcGIS Pro from the computer where you wish to run MIKE+ and configure ArcGIS Pro license <b>Click</b> Settings	Image: Second
Click Licensing	Person       2       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -       -<



Installation step	Screen
Click Configure your licensing options	Action Provided     P     -     X       Note:
Select the appropriate settings and specify the license manager's hostname / IP address / Port Click OK	Licensing         Configure Authorization         Select your authorization type from the drop-down list below:         License Type         Concurrent Use License         License Level         Select the Pro core product license level below:         Advanced       Standard         Basic         License Manage         Chth-PC2       Add Backup         Name       of the computer (as specified in Windows Control Panel > System) on which the license authorized.         Bathymetry       NA         Data Interoperability       NA         Data Reviewer       NA         Reviewer       NA         Reviewer       NA         Reviewer       NA         Okt       Cancel