

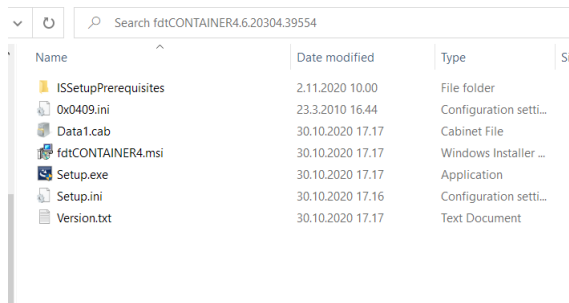


# fdtCONTAINER application by M&M

Quick guide

# Installation

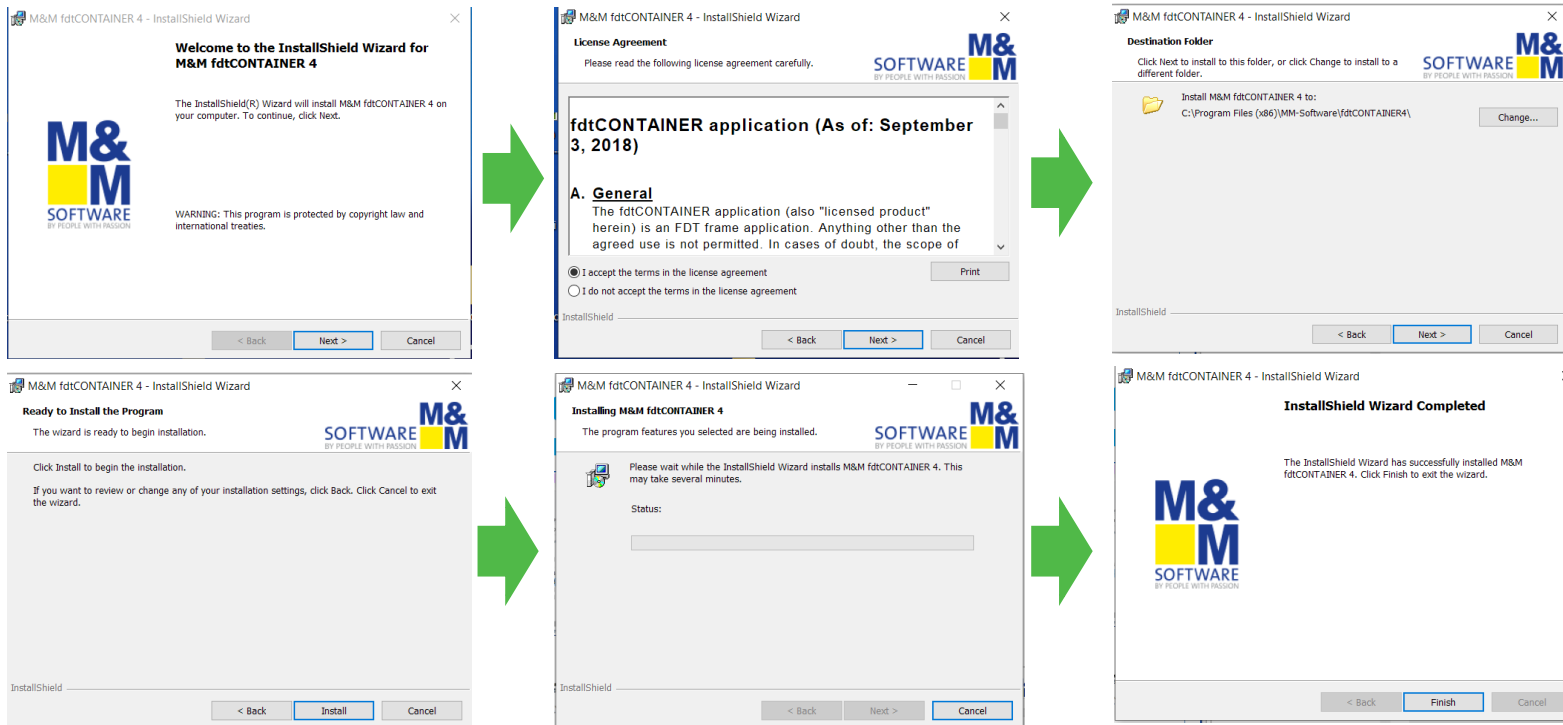
## M&M fdtCONTAINER 4



- Extract the installation files from the zip-package.
- Double-click Setup.exe.
- Insert admin username and password.

### Setup process

1. Next
2. Accept terms, Next
3. Next
4. Install
5. Wait
6. Finish



# Open fdtCONTAINER application


## Create empty project

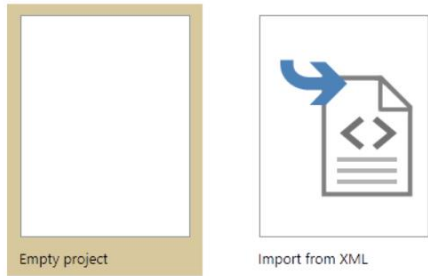
**fdtCONTAINER**  
application

**Recent Projects**

You haven't opened any projects recently.  
To browse for a project, start by clicking on  
Browse for Other Projects.

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 Browse for Other Projects



- Open fdtCONTAINER application.
- Click Empty project to create a new project.

# Device Catalogue

The screenshot shows the 'Device Catalogue' application window. The top toolbar contains several buttons, with 'Update Catalogue' and 'Filter on Allowed' circled in red. The 'Network View' tab is also circled. The 'Device Catalogue' tab is active, displaying a table of communication DTMs. At the bottom left, the checkbox for '[Add] In (Allowed)' is checked and circled in red.

Add	Name	Vendor	FDT Version	Protocol(s)
Category: Communication				
+	CommDTM PROFIBUS DP-V1	Softing Industrial Automation GmbH	1.2.0.0	Profibus DP/V1
+	FF H1 CommDTM	Endress+Hauser	1.2.0.0	FF H1
+	FF H1 Communication DTM	CodeWrights GmbH	1.2.0.0	FF H1
+	Flow Communication FXA193/291	Endress+Hauser	1.2.0.0	ISS
+	FXA520	Endress+Hauser	1.2.0.0	HART
+	HART Communication	CodeWrights GmbH	1.2.0.0	HART
+	HART Simulation CommDTM	MEHT	1.2.0.0	HART
+	IPC (Level, Pressure) FXA193/291	Endress+Hauser	1.2.0.0	IPC
+	Modbus Serial Communication DTM	Schneider Electric	1.2.1.0	Modbus Serial
+	Modbus TCP Comm Interface	Schneider Electric	2.0.0.0	Modbus TCP
+	Modbus TCP Communication DTM	Schneider Electric	1.2.1.0	Modbus TCP
+	MTL 8521 Ethernet BIM	MTL	1.2.0.0	MTL HART BIM
+	MTL Serial Communication	MTL	1.2.0.0	HART
+	Neles USB CommDTM	Neles	1.2.0.0	HART
+	PCP (Readwin) TXU10/FXA291	Endress+Hauser	1.2.0.0	PCP
+	PROFIdtm DPV1	Softing Industrial Automation GmbH	1.2.0.0	Profibus DP/V1
+	SEGNetwork	Endress+Hauser	1.2.0.0	SEGNetw...

- Device Catalogue and Network View opens.
- By default only 'Allowed' devices are shown in the catalogue i.e. only communication DTMs are shown because the Network is still empty.
- Unchecking the box for 'Add in Allowed' will list all items in catalogue.
- Press 'Update Catalogue' if there are changes in your communication DTM or device DTM installations.

# DTM info

The screenshot shows the Valmet software interface with the 'DTM Info' dialog box open. The dialog displays the following information:

**Device Type Info**

- Device Type Name: Neles USB CommDTM
- Vendor: Neles
- Version: 1.01.0000 / 2015-09-21
- Category: Communication
- Classifications: HART
- Protocols: HART

**DTM Info**

- DTM Name: Neles USB CommDTM
- Vendor: Neles
- Version: 1.0.9169 / 2020-11-04
- ProgId: NelesUSCommDTM.DTMCore

**Table of supported protocols:**

FDT Version	Protocol(s)
1.2.0.0	Profibus DP/V1
1.2.0.0	FF H1
1.2.0.0	FF H1
1.2.0.0	ISS
1.2.0.0	HART
1.2.0.0	HART
1.2.0.0	HART
1.2.0.0	IPC
1.2.1.0	Modbus Serial
2.0.0.0	Modbus TCP
1.2.1.0	Modbus TCP
1.2.0.0	MTL HART BIM
1.2.0.0	HART
1.2.0.0	HART
1.2.0.0	PCP
1.2.0.0	Profibus DP/V1
1.2.0.0	...

- DTM info shows details of the selected DTM.

# Organizing the Device Catalogue

The screenshot displays the Valmet software interface. At the top, the 'DEVICE CATALOGUE' tab is active, and the 'GROUP AND FILTER' sub-tab is selected. The 'Column Chooser' option is highlighted with a red circle. Below the toolbar, the 'Device Catalogue' window shows a table of devices. A 'Column Chooser' dialog box is open, listing available columns for selection. The 'DTM Name' column is highlighted in the dialog box, and a red arrow points to the 'DTM Name' column in the table below.

Add	Name	Version	DTM Version	Vendor	FDT Version	Protocol(s)
+	ND7000H	10	1.24.7.1500	Valmet	1.2.0.0	HART
+	ND820	5.02	1.24.7.1500	Valmet	1.2.0.0	HART
+	ND820	4.0	1.24.7.1500	Valmet	1.2.0.0	HART
+	ND820	5.0	1.24.7.1500	Valmet	1.2.0.0	HART
+	ND820	4.01	1.24.7.1500	Valmet	1.2.0.0	HART
+	ND820/T	5.0	1.24.7.1500	Valmet	1.2.0.0	HART
+	ND820/T	4.01	1.24.7.1500	Valmet	1.2.0.0	HART
+	ND820/T	4.0	1.24.7.1500	Valmet	1.2.0.0	HART
+	ND820/T	5.02	1.24.7.1500	Valmet	1.2.0.0	HART
+	ND9000H	10	1.24.7.1500	Valmet	1.2.0.0	HART
+	ND9000H	2	1.24.7.1500	Valmet	1.2.0.0	HART
+	ND9000H	4	1.24.7.1500	Valmet	1.2.0.0	HART
+	ND9000H	1	1.24.7.1500	Valmet	1.2.0.0	HART
+	ND9000H	3	1.24.7.1500	Valmet	1.2.0.0	HART

- Each column can be sorted by clicking the small arrow next to the column title.
- Also new columns can be added.
- Click the check box for 'Column Chooser' inside tab GROUP AND FILTER. Available columns will appear on the bottom right corner.
- New column e.g. DTM Name can be dragged from the list to the device catalogue.

# Save layout as your start up layout

The screenshot shows the fdtCONTAINER application interface. The top menu bar includes PROJECT, DEVICE, TOPOLOGY, VIEW, and GROUP AND FILTER. The VIEW tab is active, showing options like Network View, Error Log, Single Tab Group, Close, Increase Width, Increase Height, Decrease Width, and Decrease Height. The 'Save Layout' button is circled in red. A dialog box is open in the foreground, asking 'Do you want to save the current layout as your start up layout?' with the 'Yes' button also circled in red.

Add	Name	Version	DTM Name	DTM Version	Vendor	FDT Version
Category: Device						
DTM Vendor: ICS GmbH, Ettlingen						
+	Generic HART...	4.0.3	Generic HART DTM	4.0.3	ICS GmbH	1.2.0.0
DTM Vendor: Valmet						
+	SG9000H	1	Neles Valve Manager DTM			1.2.0.0
+	ND9000H	10	Neles Valve Manager DTM			1.2.0.0
+	ND820	5.02	Neles Valve Manager DTM			1.2.0.0
+	ND9000H_T	1	Neles Valve Manager DTM			1.2.0.0
+	ND820	4.0	Neles Valve Manager DTM			1.2.0.0
+	ND820/T	5.0	Neles Valve Manager DTM	1.24.7.1500	Valmet	1.2.0.0
+	VG800	2.0	Neles Valve Manager DTM	1.24.7.1500	Valmet	1.2.0.0
+	NDQ800/T	5.01	Neles Valve Manager DTM	1.24.7.1500	Valmet	1.2.0.0
+	ND820	5.0	Neles Valve Manager DTM	1.24.7.1500	Valmet	1.2.0.0
+	VG9000H	2	Neles Valve Manager DTM	1.24.7.1500	Valmet	1.2.0.0
+	ND820/T	4.01	Neles Valve Manager DTM	1.24.7.1500	Valmet	1.2.0.0

- It might be wise to save the layout changes so that they are ready available next time you start the frame application.
- Go to View-tab and press “Save Layout”.
- Select Yes.

# Add communication DTM to Network

The screenshot shows the 'Device Catalogue' window in the Valmet software. The window title is '[Unnamed] (\*) - fdtCONTAINER application'. The interface includes a top toolbar with options like 'Network View', 'Error Log', 'Single Tab Group', 'Close', 'Increase Width', 'Increase Height', 'Decrease Width', 'Decrease Height', 'Show Selected Device UI Only', 'Close All Device Windows', 'Save Layout', and 'Reset Layout'. The main area displays a table of DTM vendors and their communication protocols. A context menu is open over the 'Neles USB Co...' entry, with the 'Add' option highlighted. The table columns are 'Add', 'Name', 'Version', 'DTM Name', and 'DTM Version'. The table is organized by vendor: 'DTM Vendor: Codewrights GmbH' (HART Commu..., FF CommDTM...), 'DTM Vendor: Neles' (Neles USB Co...), and 'DTM Vendor: Softing Industrial Automati...' (mobiLink HART, mobiLink FF, mobiLink Pow..., mobiLink PA, mobiLink Pow..., mobiLink Pow..., PROFIdtm DP...).

Add	Name	Version	DTM Name	DTM Version
Category: Communication				
DTM Vendor: Codewrights GmbH				
+	HART Commu...	1.0.60	HART Communication	1.0.60
+	FF CommDTM...	1.1.15.34	FF CommDTM (FDT1.2)	1.1.15.34
DTM Vendor: Neles				
+	Neles USB Co...	1.01.0000	Neles USB CommDTM	1.0.9169
DTM Vendor: Softing Industrial Automati...				
+	mobiLink HART	1.0	MOBILINKdtm	V 1.30.1(32)
+	mobiLink FF	1.0	MOBILINKdtm	V 1.30.1(32)
+	mobiLink Pow...	1.0	MOBILINKdtm	V 1.30.1(32)
+	mobiLink PA	1.0	MOBILINKdtm	V 1.30.1(32)
+	mobiLink Pow...	1.0	MOBILINKdtm	V 1.30.1(32)
+	mobiLink Pow...	1.0	MOBILINKdtm	V 1.30.1(32)
+	PROFIdtm DP...	V 2.23.0(163)	PROFIdtm	V 2.23.0(163)

- Add communication DTM to Network by double clicking it or pressing the + button next to it.
- Right-clicking the mouse on top of any DTM opens menu with
  - Add
  - DTM info
  - Update Catalogue
  - Filter on Allowed



# Add device DTM to Network

The screenshot shows the 'Device Catalogue' window in the Valmet software. The window is titled '[Unnamed] (\*) - fdtCONTAINER application'. The interface includes a search bar, a 'Close' button, and a 'Category' dropdown menu set to 'DTM Vendor'. Below this is a table of DTM devices. The table has columns for 'Add', 'Name', 'Version', 'DTM Name', 'DTM Version', 'Vendor', 'FDT Version', and 'Protoccc'. The table is filtered to show devices from the 'DTM Vendor: Valmet' category. A 'Neles USB CommDTM' device is also visible in the 'Network View' on the left side of the interface.

Add	Name	Version	DTM Name	DTM Version	Vendor	FDT Version	Protoccc
+	VG9000H	2	Neles Valve Manager DTM	1.24.7.1500	Valmet	1.2.0.0	HART
+	ND820/T	4.01	Neles Valve Manager DTM	1.24.7.1500	Valmet	1.2.0.0	HART
+	ND820	4.01	Neles Valve Manager DTM	1.24.7.1500	Valmet	1.2.0.0	HART
+	ND9000H	2	Neles Valve Manager DTM	1.24.7.1500	Valmet	1.2.0.0	HART
+	ND9000H	4	Neles Valve Manager DTM	1.24.7.1500	Valmet	1.2.0.0	HART
+	VG9000H	1	Neles Valve Manager DTM	1.24.7.1500	Valmet	1.2.0.0	HART
+	ND7000H	4	Neles Valve Manager DTM	1.24.7.1500	Valmet	1.2.0.0	HART
+	NDQ800	5.02	Neles Valve Manager DTM	1.24.7.1500	Valmet	1.2.0.0	HART
+	NDQ800	5.01	Neles Valve Manager DTM	1.24.7.1500	Valmet	1.2.0.0	HART
+	ND9000H	1	Neles Valve Manager DTM	1.24.7.1500	Valmet	1.2.0.0	HART
+	VG9000H7	1	Neles Valve Manager DTM	1.24.7.1500	Valmet	1.2.0.0	HART
+	ND9000H	3	Neles Valve Manager DTM	1.24.7.1500	Valmet	1.2.0.0	HART
+	ND820/T	4.0	Neles Valve Manager DTM	1.24.7.1500	Valmet	1.2.0.0	HART

- After the communication DTM has been added to the Network, the device catalogue lists now only device DTMs.
- Add selected device DTM to Network by double-clicking it or pressing the + button next to it.

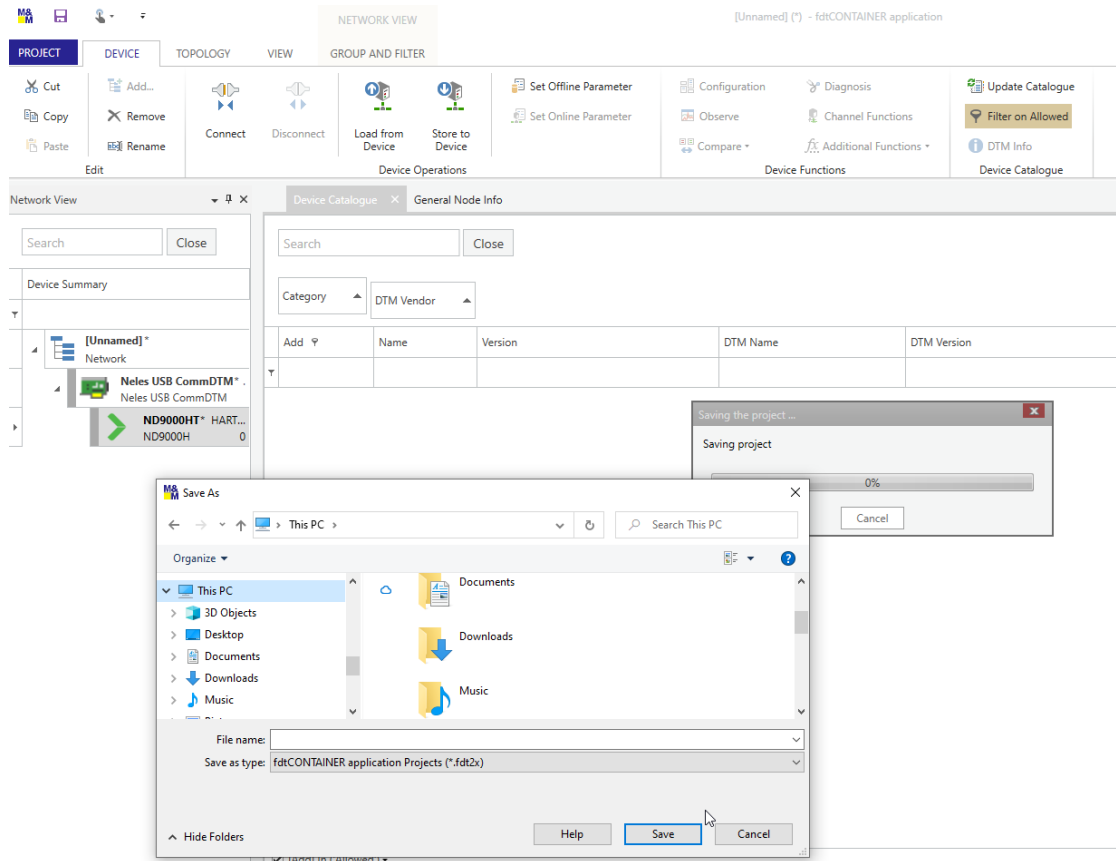
# DTM functions

The screenshot displays the Valmet software interface in the 'DEVICE' tab. A context menu is open over a device named 'ND9000HT\* HART...'. The menu includes options like 'Add...', 'Remove', 'Rename', 'Connect', 'Disconnect', 'Load from Device', 'Store to Device', 'Set Offline Parameter', 'Set Online Parameter', 'Compare', 'Configuration', 'Observe', 'Diagnosis', 'Additional Functions', 'Import / Export', 'General Node Info', and 'Replace DTM'. The 'Device Catalogue' window is also visible, showing a table with columns for Add, Name, Version, DTM Name, DTM Version, and Vendor.

Add	Name	Version	DTM Name	DTM Version	Vendor

- DTM functions can be found in DEVICE tab or by right-clicking the mouse on top of the DTM (or communication DTM).
- Device Catalogue is now empty because it is not allowed to add anything to the device DTM in Network. Once again, all items in the catalogue can be shown by unchecking the 'Add in Allowed'.
- Now you are ready to use the DTM!

# Saving a project



- Saving a project is done in PROJECT tab.
- Select Save as. Browse for correct location and give file name. Press Save.
- Next time the fdtCONTAINER is opened the saved project can be found in Recent Projects or Browse for Other Projects.

