Exercise - Install a DTM in Unity Pro

Learning Outcomes	By the completion of this exercise the student will:			
	Install a DTM library in Unity Pro			
	Add a DTM device in a Unity Pro project			
Equipment Required	This exercise is purely software based, so the student will only need Unity Pro v8.0 or later version, and an internet connection.			

Install the DTM on the computer.

i. Obtain the DTM from the device vendor.

Note:

If using a Schneider-Electric device, its DTM can be obtained from the Schneider-Electric website.

For instance you can download the Altivar Process DTM here.

- ii. Double click the file, and follow the instructions to install the DTM.
- iii. If **Unity Pro** was closed restart it.
- iv. If the install went well this message will be seen when Unity Pro starts.
- v.



vi. Click Yes.

vii. Note that the catalogue has been updated:

viii.

Information: The Update of the Dtm catalog is finished

Add the device in Unity Pro project.

i. Open the DTM window by selecting **Tools DTM Browser**.

Tools Build PLC Debug	g Window	He
 Project <u>B</u>rowser 	Alt+1	
<u>H</u> ardware Catalog	Alt+2	
Types Library Browser	Alt+3	
Operator Screen Library	Alt+4	
Search / Replace	Alt+5	
Diagnostic Viewer	Alt+6	
PLC Screen	Alt+7	
Variable Window	Alt+8	
✓ <u>D</u> ata Editor	Alt+9	
DTM Browser	Alt+Shift+1	
Book <u>m</u> arks	Alt+Shift+2	
<u>T</u> rending tool		
Project Comparison		
Convert Partially		
Network Inspector		
E Types Library Manager		
<u>C</u> ustomize		
Options		
Project Settings		

- ii. In the DTM window right click the M580, and click Add
- iii. The following window should pop-up, select the ATV6xx and click **Add DTM**.

Device	Type	Vendor	Version	Date	
140NOC77100 (from EDS)	Device	Schneider Electric	1.1	0010	
140NOC77101 (from EDS)	Device	Schneider Electric	1.1		
140NOC78000 (from EDS)	Device	Schneider Electric	1.52		
140NOC78100 (from EDS)	Device	Schneider Electric	1.52		
Advanced Generic EDS	Device	Schneider Electric	1.1.19.0		
ALTIVAR61 Revision 1.5 (from E	Device	Schneider Electric	1.5		
ALTIVAR61 Revision 2.1 (from E	Device	Schneider Electric	2.1		
ALTIVAR71 Revision 1.6 (from E	Device	Schneider Electric	1.6		
ALTIVAR71 Revision 2.7 (from E	Device	Schneider Electric	2.7		
ALTIVAR71 Revision 3.3 (from E	Device	Schneider Electric	3.3		
ATV6xx	Device	Schneider Electric	1.3.28.5	2015-04-20	
BME AHI 0812	Gateway	Schneider Electric	1.1.2.0	2015-06-26	
BME AHO 0412	Gateway	Schneider Electric	1.1.2.0	2015-06-26	
BMEH582040 (from EDS)	Device	Schneider Electric	2.1		
BMEH584040 (from EDS)	Device	Schneider Electric	2.1		
BMEH586040 (from EDS)	Device	Schneider Electric	2.1		
BMENOC0301 (from EDS)	Device	Schneider Electric	1.1		
BMENOC0301 Revision 2.2 (from	Device	Schneider Electric	2.2		
BMENOC0311 (from EDS)	Device	Schneider Electric	1.1		
BMENOC0311 Revision 2.2 (from	Device	Schneider Electric	2.2		
BMEP581020 (from EDS)	Device	Schneider Electric	1.3		
RMED591020 Dovision 2.1 (from	Douico	Schnoidor Electric	21		
Add DTM					

iv. If the Device does not appear in the list something probably went wrong when installing the DTM in Window.

Exercise - Install a DTM in Unity Pro (cont.)

Note:

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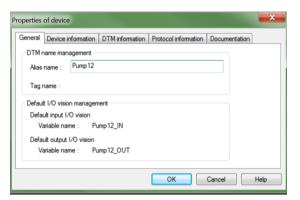
The following points may be different if a different device is being configured.

- v. In the case of the Altivar drive select which protocol will be used between the M580 and the drive
- vi. For this exercise select **Modbus over TCP**.
- vii. Call the device Pump12, and click **OK**.



It is recommended not to change the device name after configuration, so be careful when typing in the name.

viii. The name of the variable will be used in the next exercise so make sure it is exactly pump12 otherwise errors will be seen when importing the section.



ix. The device now appears in the DTM browser, below the device it is connected to:

