1. Package Content

<table>
<thead>
<tr>
<th>Software Component Name</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Altivar Process ATV9xx DTM Library</td>
<td>V2.1.3</td>
</tr>
<tr>
<td>Altivar Process ATV9xx</td>
<td>V2.1.3.0</td>
</tr>
</tbody>
</table>

2. Features

2.0 What's New in V2.1.3

> Fix for FMK Version incompatibility
> Bug Fixes

2.1 What's New in V2.1.2

> Support for ATV9xx firmware version V2.1IE17_B11
> CR Fixes

2.2 Features of V1.9.1

> Support for ATV9xx firmware version V1.9IE15_B07
> Safety message updates (TUN, AUT, APPT, SLPM, PST)
> CR Fixes

2.3 Features of V1.8.0

> Support for ATV9xx firmware version V1.8IE14_B07
> Improved SNTP section with Support for Daylight saving time
> Support for Powerlink option board
> CR Fixes

2.4 Features of V1.7.2

> Introducing APM Partner Tab
> CR Fixes.

2.5 Features of V1.7.1

> Support for FW V1.7IE12 B05

2.6 Features of V1.6.1

> Support for 600/690 voltage references
> Support for FW V1.4 & V1.6
> Standard Startup Report
> Bugfixes
2.7 Features of V1.3.5
> Cybersecurity Fixes.

2.8 Features of V1.3.4
> Bug Fixes.
> Improved modify topology feature
> User can change the firmware version as part of Modify topology functionality.
> User can connect to any device topology with project topology.
> In case of mismatch between the device and the project topology, the project topology will be dynamically changed to match the physical device topology.
> Support of firmware V1.3IE04B04.
> Support of HTL encoder module.
> Cybersecurity Fixes.

2.9 Features of V1.2.2
> Support of S7 references
> Firmware update feature
> Device type recovery feature

2.10 Features of V1.2.1
> Support Connection for references ending with X1, X2 and X3
> Support Connection for references ending with C and E
> Support of ATV993(MultiDrive) references

2.11 Features of V1.2
> Support of ATV9xx Firmware V1.2IE02B20 and Ethernet Firmware A1.7IE11B12.
> Improved parameter graphical sketch views for Analog Encoder, Resolver and Digital Encoder (SSI configuration).
> Support for EtherCAT option card Support of PROFINET option card.
> Improved FDR screen & action status.
> Offline FDR transfer in Schneider Electric's Unity FDT container.
> Modified parameters indication by a new meaningful 'spanner' icon.
> Parameters can now be added into the IO scanner list via entering the logical address.
> Compatibility between firmwares V1.1 vs V1.2.
> Support of ATV9xx Floor Standing Products and Drive Systems (High Performance and Regenerative).
> Improved the Error Diagnostics by including error sub-codes.
> Updates in the ATV9xx help file.
> Up-to-date ATV9xx Programming manual.

2.12 Features of V1.1
> Light weight DTM with reduced size before and after Installation.
> Improved User DTM Interface and Look & Feel.
> A new Simple Altivar Process ATV9xx drive reference selection
> More Informative My device tab
> My Dashboard section to configure and monitor drive parameters in a single screen.
> New Parameter graphical layout.
> New function tab to configure drive parameters in a graphical and user guided interface.
> New Diagnostic tab for error and warning monitoring
> Diagnostic Tab - Improved layout of error data with historic errors
> Diagnostic Tab - Warnings can be assigned to 5 groups
> Diagnostic Tab - A summary screen for better drive health statistics.
> Diagnostic Tab - Improvements in Generic Settings, Protocols & Drive Profiles, FDR.
> Display tab to show energy consumed by the drive in hourly, daily, monthly and yearly basis.
> Display tab - drive & motor parameters monitoring in graphical widgets
> Display tab - Torque/Speed Curve.
> Display tab - Data logging for loading logged data from device.
> Unit Customization Feature to personalize parameter Units.
> Warning and Error status Information section in tool bar.
> New and Improved Control Panel.
> Device configuration Import/Export functionality.
> Programming manual in CHM format.
> Field bus manuals for option boards can be opened from My Device tab.
> Creation and modification of QR-code through HMI Personalization screen.
> Device Configuration can be restored completely or partial.
> New Print feature to select printable data like Option board parameters etc.
> Additional parameters are displayed in the Display tab.
> Hoisting settings made easy with wizard mode.
> New Sketch views for Encoder configuration, catch on fly, breaking sequence.
> Reboot drive command in the Device menu.
> Save/Restore configuration from the drive through the device menu.
> Parameter visibility settings in the HMI Personalization.
> Support of Advanced Ethernet DID in DIO ring.
> Autotune improved with Apply and Erase options.
> Support of only English is available in the first version of this software.

3. **System Requirement**

3.1 **Supported operating systems**

This software can be installed on the following operating systems:

> Microsoft Windows 7 32/64-bit.
> Microsoft Windows 8.1 32/64-bit.
> Microsoft Windows 10.0 32/64-bit.

3.2 **Minimum PC Requirements**
### Equipment

<table>
<thead>
<tr>
<th></th>
<th>Minimum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>Pentium 4 / Core 2 Duo, 2 GHz</td>
</tr>
<tr>
<td>RAM</td>
<td>2 GB</td>
</tr>
<tr>
<td>Free Hard Disk Space</td>
<td>1 GB of free disk space Must be available</td>
</tr>
<tr>
<td>Display</td>
<td>Resolution: 1024 x 768 pixels with 32 bit colors DPI: 96</td>
</tr>
</tbody>
</table>

#### 3.3 Recommended PC Requirements

<table>
<thead>
<tr>
<th></th>
<th>Recommended</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>Intel(R) Core(TM) i3</td>
</tr>
<tr>
<td>RAM</td>
<td>4 GB</td>
</tr>
<tr>
<td>Free Hard Disk Space</td>
<td>2 GB</td>
</tr>
<tr>
<td>Display</td>
<td>Resolution: 1024 x 768 pixels with 32 bit colours DPI: 96</td>
</tr>
</tbody>
</table>

### 4. IMPORTANT NOTICE

> Before you install Altivar Process ATV9xx DTM Library:

1. Check if Altivar Process ATV6xx DTM Library V1.1.24 is installed in your PC.
2. If it is installed, upgrade it to the latest available Altivar Process ATV6xx DTM Library version.

### 5. Some restrictions which we are working on

> DTM is not in synchronized state after doing factory reset, a "Refresh" or "Load from Device" is requested.

> Sometimes parameter values cannot be edited in parameter grid inside parameter list tab .Use F2 key to edit parameter values.

> Only English is available in the first version of this software.

> Local Stop Message will not be displayed, if Local Stop button is pressed momentarily or quickly. The button has to be pressed firmly for 4-5 Sec.

> Visibility or disabling of a parameter depending on other parameter(s) are not managed at the moment in the parameter grid.

> We observed that for some drive references, the CLI (Current Limitation) parameter does not reset after a factory setting.

> Software does not respond after you try to select all parameters in the parameter tab using Ctrl + A.

> Import of configuration stored in the Keypad HMI from SoMove homepage is not yet available.

> MultiMotor switching sketchview is not yet available.

> Modify Topology does not update parameter value ranges (min & max) of NPR, NCR and UNS for some references.

### 6. Container Supported

> SoMove V2.6.5

> Unity V13 with Unity Pro PlantStruxure DTM Library V3.9.3

> M&M FDT Container V02_04_03_00

### 7. Altivar Process DTM in Unity

#### 7.1 Versions Provided & Compatibility

<table>
<thead>
<tr>
<th>Activity</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Altivar Process 9xx DTM</td>
<td>V2.1.3.0</td>
</tr>
</tbody>
</table>
Altivar Process 9xx Firmware

| V1.1E01B10 |
| V1.2E02B20 |
| V1.2E03B02 |
| V1.3E04B04 |
| V1.4E07B05 |
| V1.6E09B08 |
| V1.7E12B05 |
| V1.8IE14_B07 |
| V1.9IE15_B07 |
| V2.1IE17_B11 |

UnityPro

| Unity V13 |
| UnityPro PlantStruxure DTM Library |
| V3.9.3 |

M580 CPU RUN boot

| V2.2 |

M580 BME CPU

| V2.2 |

7.1 Features

> CHM for Unity online help.

7.2 Known issues or Observations:

> Sometimes bad display of DTM inside Unity container when clicking the splitter bar.
> Connection loss is happening for the first time after device recovery with 600V & 690V references.
> Under service tab voltage ranges are not dependent on firmware selection.
> Scope parameters are not selected in the parameter selection dialog when loaded from a saved configuration.