



# OPC UA DEVELOPMENT TRAINING

# WORKSHOP CONTENT

Part	Content	Day 1
01	<b>Workshop Contents</b> This document	
02	<b>Introduction</b> History of OPC, OPC Overview <ul style="list-style-type: none"><li>History OPC Classic and OPC UA</li><li>Compare OPC Classic and OPC UA</li></ul>	<i>Optional</i>
03	<b>OPC Unified Architecture</b> Introduction in the technology and how it works <ul style="list-style-type: none"><li>The OPC UA „Vision“</li><li>10 Reasons why to choose OPC UA</li><li>Features of OPC UA</li><li>The OPC UA specification</li><li>How OPC UA works</li></ul>	

# WORKSHOP CONTENT

Part	Content	Day 1
04	<b>OPC UA Administration</b> Configuration, Commissioning and Troubleshooting <ul style="list-style-type: none"><li>• Compatibility</li><li>• Certificates Handling and Security</li><li>• Administration</li><li>• Discovery Server</li><li>• Troubleshooting</li></ul>	
	<b>Discussion</b> <ul style="list-style-type: none"><li>• Questions</li><li>• Define Content of second day (Development Basics, Client Development)</li><li>• Define Content of third day (Server Development)</li></ul>	

# WORKSHOP CONTENT

Part	Content	Day 2
05	<b>OPC UA Development</b> Introduction, Use of <ul style="list-style-type: none"><li>• Profiles in General</li><li>• Data Access Profile</li><li>• Alarms &amp; Conditions Profile</li><li>• Historical Access Profile</li></ul>	
06	<b>OPC UA Client Development</b> Introduction into server related OPC UA topics <ul style="list-style-type: none"><li>• Data Access Profile</li><li>• Alarms &amp; Conditions Profile</li><li>• Historical Access Profile</li></ul>	

# WORKSHOP CONTENT

Part	Content	Day 3
07	<b>OPC UA Server Development</b> Introduction into server related OPC UA topics <ul style="list-style-type: none"><li>• Data Access Profile</li><li>• Alarms &amp; Conditions Profile</li><li>• Historical Access Profile</li><li>• Nanoserver, Microserver, Embedded Server, Standard Server</li></ul>	