Modulares Diagnostic Tool 2.0
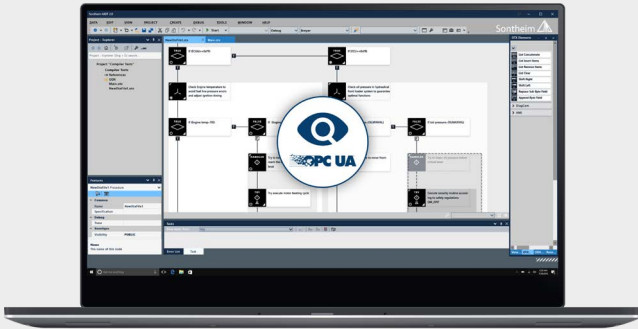
Innovative machine park monitoring

We live electronics!

MDT® 2.0

The Modular Diagnostic Tool 2.0 offers an OPC UA server and client in addition to ODX and OTX standard. This ensures comprehensive and simple operability, which is additionally supported by Visual Studio®.

Key Features

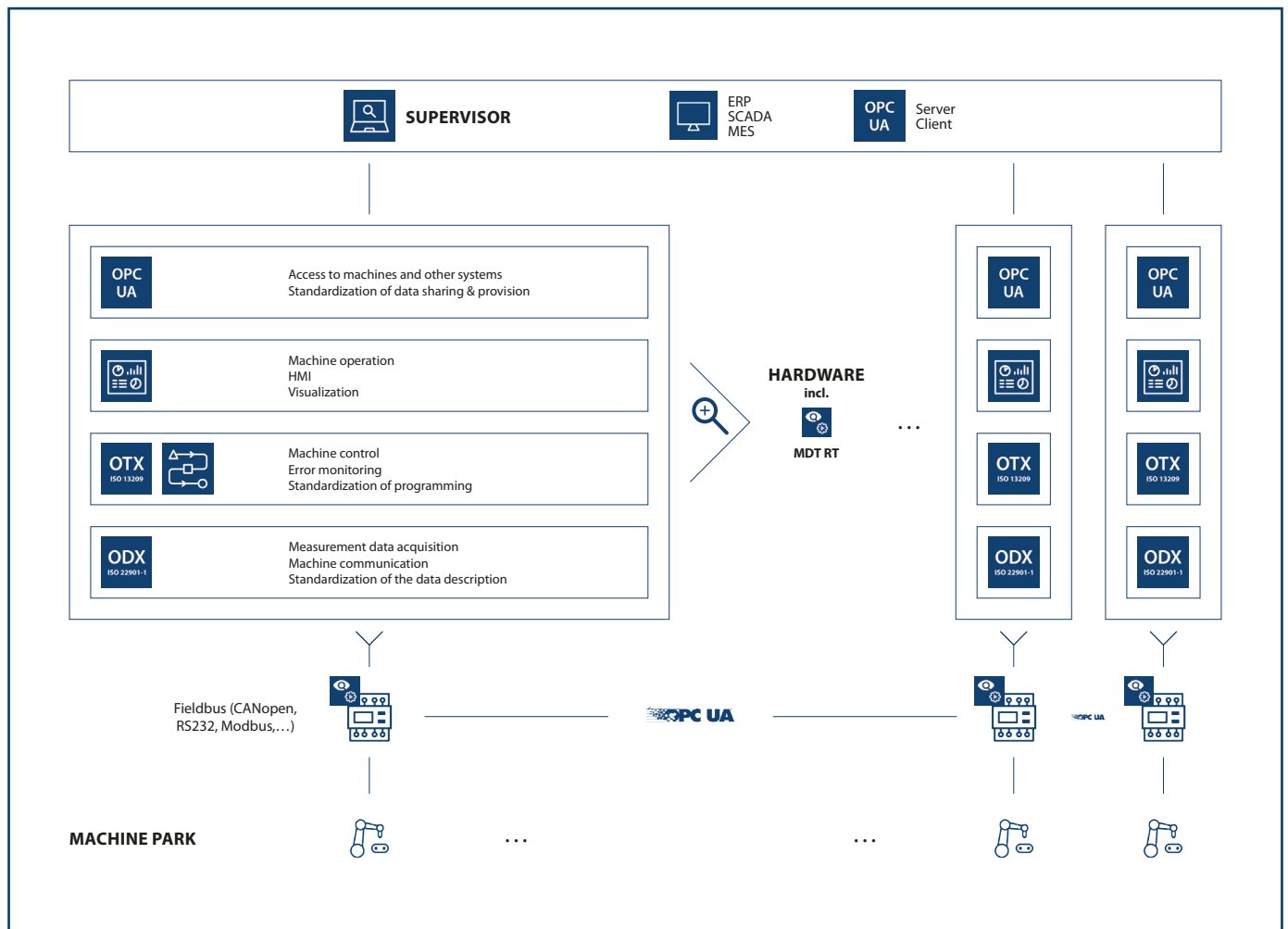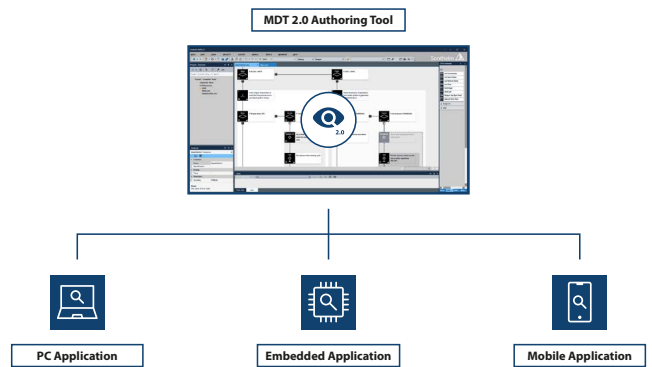|	
OPC UA	**OPC UA server & client**
ODX ISO 22901-1	**ODX acc. to ISO 22901-1**
OTX ISO 13209	**OTX acc. to ISO 13209**
	Multi platform support
	High-performance runtime system

Innovative machine park monitoring – based on standards

The new MDT® 2.0 is a standardized tool to access data of the machines. It enables the standardization of the data description (ODX), the programming (OTX) and the sharing & provision of the data (OPC UA). With the MDT® 2.0 tool chain, you have various options for creating, structuring and implementing test bench workflows, based on the industry standard OTX (Open Test Sequence eXchange format) according to ISO 13209, while the ODX 2.2.0 standard (Open Diagnostic Data Exchange) guarantees reusability of test bench services. Thanks to the platform-independent OPC UA architecture, the information obtained can be transmitted to a supervisor and thus integrated in the entire environment.

Multiplatform support – one workflow for all end-use applications

The extremely lean runtime system is designed specifically for multi-platform applications and provides GUI support as well as a platform-independent description of the runtime workflow language. This reduces both implementation and testing efforts for your applications across multiple PC, mobile or embedded platforms. In doing so, the MDT® 2.0 allows you to create your test bench control once and run it on a wide variety of environments such as Windows, Linux x86, Linux ARM or QNX without any customizations.

Modern design and new graphic modules

A new, clean and modern design allows the use of Visual Studio plug-ins, for example for SVN or Git. New graphical elements such as 2D and 3D animations can be used to create your diagnostic application. The diagnostics are thus more visually appealing and the intuitive usability for the service personnel and the diagnostic user is once again significantly increased..

MDT 2.0 Authoring Tool

PC Application   Embedded Application   Mobile Application

SUPERVISOR

ERP
SCADA
MES

OPC UA — Server Client

OPC UA — Access to machines and other systems
Standardization of data sharing & provision

Machine operation
HMI
Visualization

OTX ISO 13209 — Machine control
Error monitoring
Standardization of programming

ODX ISO 22901-1 — Measurement data acquisition
Machine communication
Standardization of the data description

HARDWARE
incl.

MDT RT

OPC UA

OTX ISO 13209

ODX ISO 22901-1

Fieldbus (CANopen, RS232, Modbus,…)

OPC UA

MACHINE PARK

Order information

| V940800300 | MDT® 2.0 Authoring system |
| C940800300 | MDT® 2.0 Authoring system maintenance |

Mobile Automation

Industrial Automation

Diagnostics

Connectivity

We are looking forward to your enquiry!

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