COMPANY

Our range of services includes the implementation of complete projects in the field of IT-based automation, from the field device level to the interfaces for PPS, MES or ERP systems. We are always working to expand our range of services to include new areas of expertise, especially in the fields of energy, building automation and building management systems, as well as additional development, consulting and support services.

Our services

- System analyses
- Software development
- Commissioning
- System maintenance and support
- Creation of functional specifications
- Documentation and training

in the areas:

- Process control engineering
- Process data visualisation
- automation
- Computer-aided measurement, control, regulation
- Microcontrollers and embedded systems
- database applications
- system integration

■ We are your specialist in system integration. We create the necessary interfaces for:

- Process periphery
- Bus systems
- Interface protocols
- LAN
- Standard software
- Database applications
- Databases
... on different hardware and software platforms

■ We develop automation solutions for:

- the acquisition of process variables and measurement data
- the processing of digital and analogue data
- the individual evaluation of process data
- graphical processing of process data using standard software
- Connection to commercial management systems
- solving problems of data acquisition and data conversion in process environments
- Design, programming and integration of process hardware for data acquisition in manufacturing processes
- system software
- Hardware drivers

■ Process data processing and process data acquisition

We let the devices and systems of process data processing and process data acquisition communicate with each other. This makes it possible to display the data of a manufacturing process
- displayed "live" in a visualisation system,
- prepare it for graphical representation,
- store it in a database for archiving purposes,

... or to deliver it directly to your management system.

CUSTOMERS

TRIDIUM

AUTOMATION PGA

Honeywell

Software Services and Solutions for Smart Automation

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GmbH
ProSystems

SOFTWARE SOLUTIONS

System consulting for software development

INDIVIDUAL SOFTWARE SOLUTIONS AND SERVICES

ProSystems - Your system consulting and software development for the Niagara AX- and Niagara 4 - Framework® from Tridium. ProSystems is the development partner for all kinds of M2M communication, on Tridium platforms as well as on Windows, Linux, VxWorks, PxRos, VRTX, VMS and many others.

→ www.prosystems.de

Software Services and Solutions for Smart Automation

GmbH
ProSystems
niagara
certified developer

powered by

niagara
framework®

Niagara 4

Niagara 4 relies on the Niagara Framework in a new way. It is more independent of browser plug-ins and faster and easier to use. End users can directly access, analyse and act on a wide range of operational data. As an open framework, Niagara 4 offers a number of notable enhancements that enable businesses to make the most of the Internet of Things.

Niagara compatible driver

Individual requirements and areas of application

Our team is available to ensure that our custom Niagara drivers meet your requirements. We will develop the right driver for you. As a Tridium Niagara Certified Developer, we offer a range of professional services. These include:
• Niagara UI development using state-of-the-art tools and design principles.
• Development of Niagara applications, Niagara drivers as well as specifications for Niagara solutions
• Partnerships for the integration of Niagara products
• Niagara consulting and support for development teams

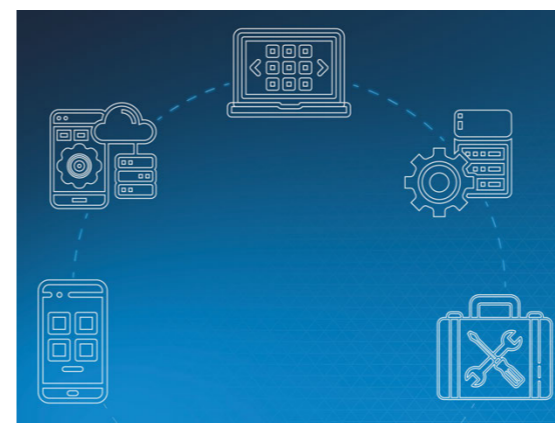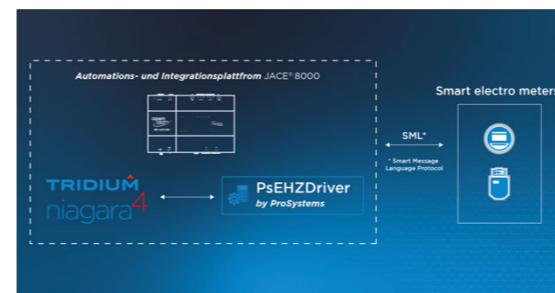## MQTT and Json Toolkit

WebVisu goes MQTT

By combining the Niagara JsonToolkit and the Niagara MQTT Driver, JACE controllers can be made MQTT-capable. The MQTT driver implements the transport of data using the MQTT protocol, while the JsonToolkit provides tools for processing Json-coded data. This means that MQTT-capable sensors and actuators can now also be connected to the Niagara platform.

PsOpcGServer

The direct route from Niagara to OPC

The OPC server is a generic server which is unique on the market. Generic means here that the PsOpcGServer can handle not only one protocol but several protocols. It is possible to either use many common protocols via Tridium's Niagara integration platform or to use ProSystems' gateway programmes.

PsNiagara2Opc

The direct route from Niagara to OPC

For the Niagara AX and N4 Framework, the world standard in building automation, a solution for data exchange with OPC, the world standard in automation on a PC basis, is now available that does not require detours via "auxiliary protocols" such as BACnet. For the direct coupling of an OPC DA Classic Server with the AX world, we offer the PsOpcUtilities in conjunction with the PsOpcGServer.

PsOpcUtilities

Building Automation

For the Niagara AX and N4 Framework, the world standard in building automation, a solution for data exchange with OPC is now available, the world standard in automation on a PC basis, which does not need any detours via "auxiliary protocols" such as BACnet. For the direct coupling of an OPC DA Classic Server with the AX world, the company ProSystems GmbH offers the PsOpcUtilities in connection with the PsOpcGServer.

PsEHZDriver for Niagara AX and N4

Electronic household meters in the Niagara World

The AX / N4 driver connects the electronic household meter to the Niagara world. These meters are already standard in many parts of Europe and will be generally introduced in the next few years. The SML protocol used works for all types of meters (water, gas, heat,...). If you need other types of meters, please contact us.
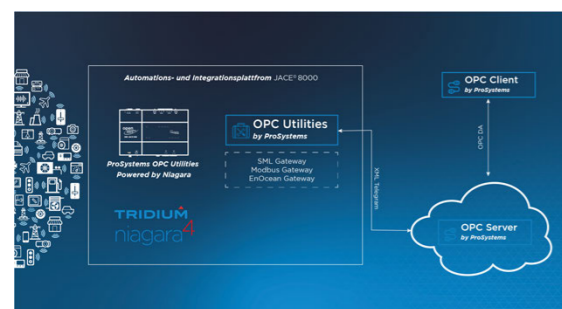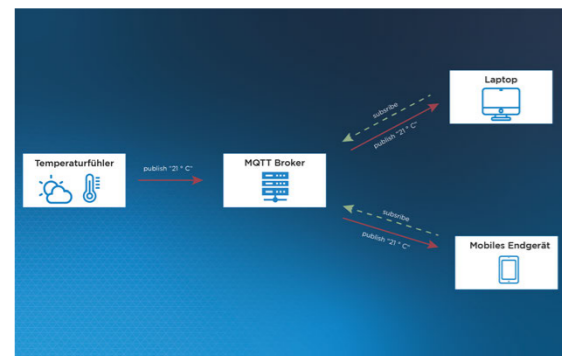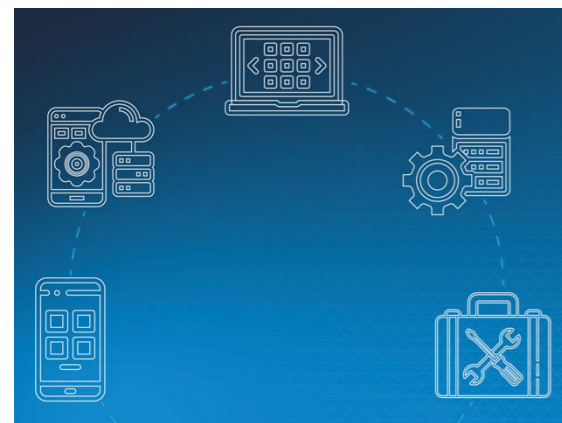
PsSerComOverTelnet

Add On for N-Driver

Serial interfaces for Niagara in large numbers and everywhere. For the Niagara AX and N4 Framework, PsSerComOverTelnet is an extension of the N-Driver that can be used to considerably increase the number of serial interfaces. Moreover, these are not bound to a specific location, as they are realised via Ethernet to serial adapters.

SiLis

Safe charging infrastructure system for electric vehicles

The new highly integrated control for electric car charging systems is coming soon. Simply mount SiLis-Home in the electrical distribution board, connect the cables, done! Only cables and plugs are required as additional components. Setting and operation are child's play, via browser or app. Load management, vehicle-based billing included, without the need for a cloud.

ProSystems software solutions

ProSystems is a partner for system consulting, specialist planning and software development for the Niagara AX and Niagara 4 Framework® from Tridium.
The possibilities and offers from the Tridium Niagara Marketplace of the Tridium Community are endless. OAS and ProSystems also offer powerful applications (APPs), drivers, toolkits and utilities.
OAS and ProSystems offer a wide range of Niagara 4-based solutions and modules for integration and automation as well as building energy, alarm and fault management.

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