

PARTNER PROGRAM

NIAGARA - SYSTEMS INTEGRATOR

BECOME A NIAGARA SYSTEM INTEGRATOR

It is our goal to work closely with partners who are pushing boundaries and breaking new ground within the open Internet of Things (IoT). As a participant in the OAS Partner Programme, you will receive extended access to various materials about our products and solutions. In addition, further modules of our system solution kit as well as personalised trainings up to a qualified certificate are available to you.

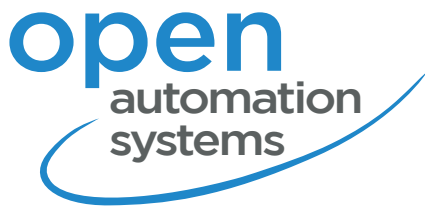
→ www.openautomationsystems.store

IoT Solutions and Services
for Smart Automation

Welcome to OAS!!

With SBS - Smart Building Solutions, we offer intelligent products and completely open IoT solutions and services that go far beyond ordinary room and building automation.

The digitalisation and networking of the entire building technology to save energy, increase efficiency and comfort are the decisive goals for our products and solutions. To solve individual requirements for the digitalisation of intelligent buildings / smart buildings, we offer standardised and proven hardware and software components as well as complete solutions.



Tridium Authorized Distributor

We are the Tridium Authorised Distributor in Germany. In combination with us as Niagara 4 Certified Training Partner, we are your strong partner in realising your plans into an open and digital future. Thousands of companies and public authorities worldwide rely on Niagara and prefer open solutions based on the Niagara Framework®. As your Tridium Niagara Solution Provider in cooperation with ProSystems GmbH as Niagara Certified Developer, we can advise and support you in all aspects of the Niagara Framework. Our Niagara Solution Provider Store makes it possible.



We are a Tridium Gold Distributor

Since 01.01.2022 we are officially Gold Distributor of Tridium. Gold Distributor means that our products and solutions have already been installed in many projects for open energy management and building automation systems. This brings us closer to our goal of the continuous digitalisation of technical building equipment. Our many years of experience with products powered by Niagara Framework® give us well-founded and constantly growing expertise in responding to the needs of our customers and providing competent support.



Member of the BIG-EU

With OAS as the latest member, the network of European BACnet users grows to 122 members. Building operators, planners and facility managers are oriented towards the goals and solutions of the BIG-EU and appreciate the operational and investment security of the open BACnet communication standard, especially in the era of increasing IoT solutions.



OAS Partner program

OAS is a provider of open energy management and building automation systems for the continuous digitalisation of technical building equipment. With innovative products, systems and services, qualified service and the high commitment of our employees, we work fundamentally according to future-oriented and global standards for open automation solutions.

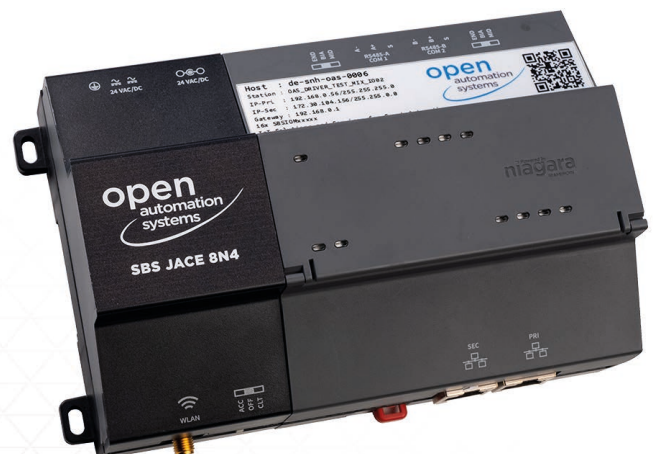
As a participant in the OAS Partner Programme, you will receive extended access to various materials about our products and solutions. In addition, further modules of our system solution kit as well as personalised trainings up to a qualified certificate are available to you. Become an OAS Niagara System Integrator. Our goal is to work closely with partners who are pushing boundaries and breaking new ground within the open Internet of Things (IoT).

Requirements:

- At least 2 employees with knowledge in the execution and planning of building automation systems.
- Participation in training programs
- OAS Niagara System Integrator Partner Contract
- You are a company or commercial specialist, industrial customer or qualified system house partner from the areas:
 - Electrical engineering
 - Heating/Ventilation/Sanitary
 - Information and communication technology

powered by

niagara
framework®



Benefits:

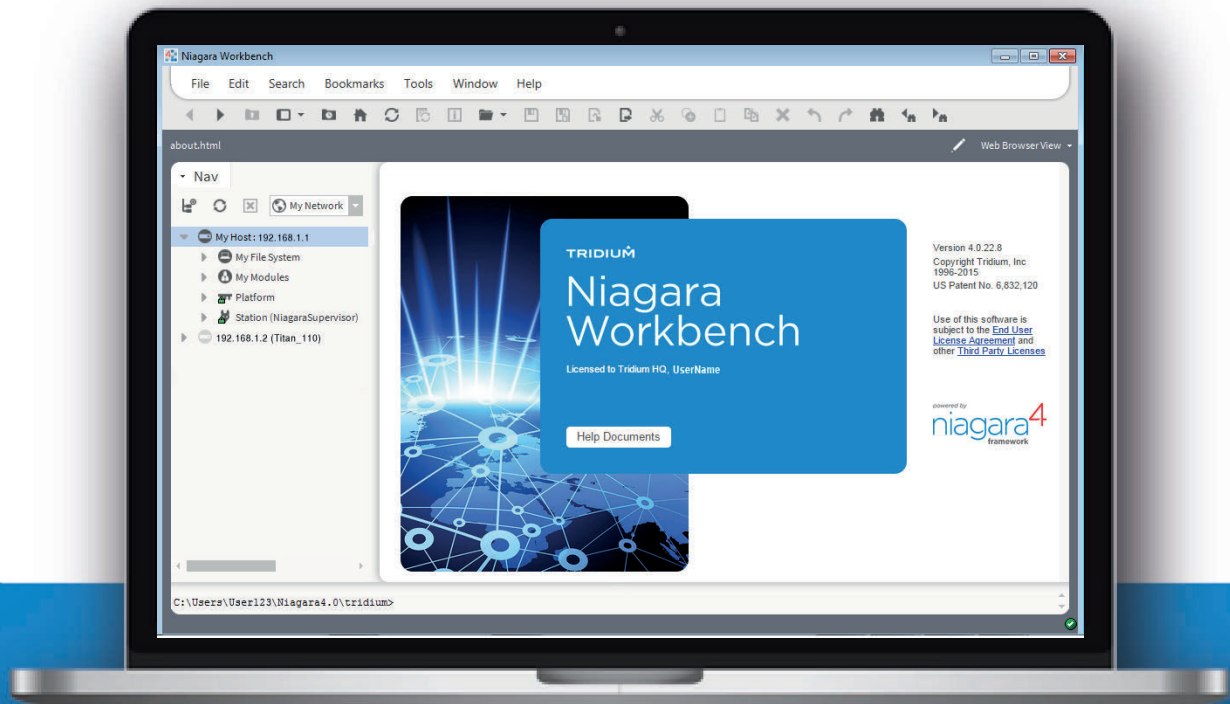
- Competitive advantage through open IoT automation solutions, systems, devices, products and services based on Niagara technology.
- Partnership-based sales structures
- German-speaking technical and commercial support for the Niagara portfolio
- Scalable training programmes for products and solutions
- Access to data point lists, libraries, plant graphics as well as portal hosting models
- Access to the OAS partner package with various graphics, documents and logos
- Your company details on our website with link to your internet presence
- We can generate all TRIDIUM Niagara licences online and just in time.
- You have no waiting times and can contact us personally.
- Start directly with our OAS-partner Tridium Workbench licence
- Our SBS IOM I/O modules, SBS JACE 8N4, touch panels are always in stock

Expectations:

- Active marketing of the products by approaching and supporting the planning of specialist engineers, architects, public clients, general contractors, building services companies and commercial end customers.
- Expert advice and supportive planning of the aforementioned products
- Reliable performance throughout the execution
- An established market access in the field of building automation
- Marketing of OAS product solutions
- Feedback on experiences and results with our products in the market environment
- Identifying market trends and new applications in the Niagara environment
- Preparation and publication of executed projects with mention of the used OAS products and provision of the information for use by OAS
- Link to the OAS website on your internet presence

For more information, contact sales@oa-systems.de or visit our store at www.oa-systems.de





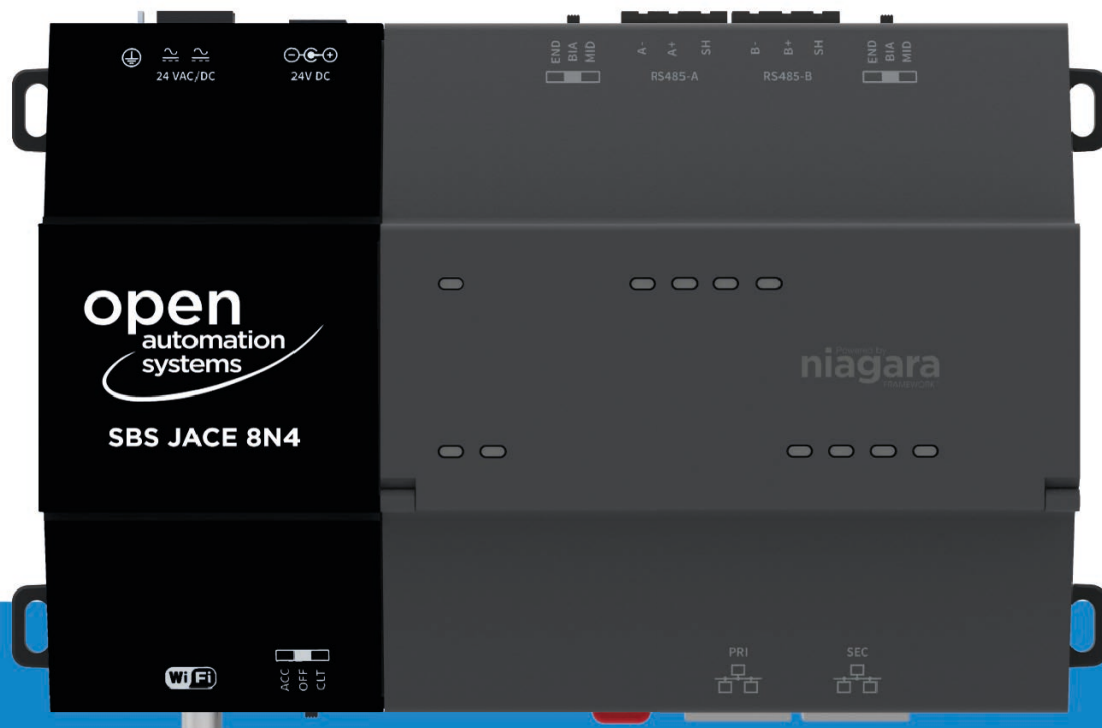
Tridium Niagara User Training in Germany!

Training and education up to the Niagara 4 TCP certificate are offered individually to you.

In addition to technical basics, you will deal intensively with practice. In the seminar you will work with current devices and systems. You will learn the basics of the Niagara Framework. and to use it safely. For this we offer you two possibilities. Completion of the Niagara 4 Technical Certification Programme (TCP) training ends with the official Tridium TCP certificate. For your successful participation in individual trainings and user trainings you will receive a Certificate of Completion "NIAGARA User Training".

Mr. Vizgalov is the German and English speaking certified trainer for the Niagara basic course "Technical Certification Program" (TCP). He conducts the Tridium certified TCP standard training and the Niagara user training at OAS. The OAS Open AutomationSystems GmbH uses the Niagara Framework and the and the Tridium products, so you can look forward to a practical practical course with us.





SBS JACE 8N4 automation platform

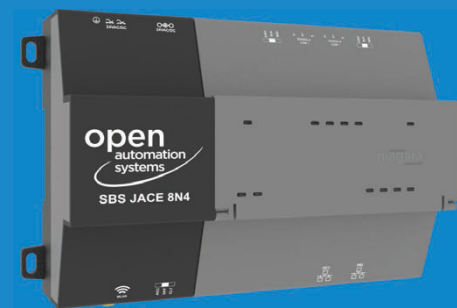
Powerful automation- and integration platform

SBS JACE 8N4 is an open and high-performance automation and integration platform from OAS Open AutomationSystems GmbH (powered by Niagara Framework®). The consistent application of this technology reduces energy and operating costs. Based on the Niagara 4 Framework®, all technical building installations and systems are homogeneously combined into a building automation and management system.

Our automation solutions are consistently networked on the basis of standardised internet technologies. From the lowest field level via the automation level with the local visualisation (HMI) to the management level locally or as a cloud or portal solution. This digital consistency with standardised communication protocols allows you a secure and seamless connection with open management systems as well as integration into the customer's information technologies and ERP systems.

AMEV-certified BACnet device

The SBS-JACE 8N4 (Tridium JACE 8000) fulfils the special requirements of the public sector for independent building automation with the AMEV test certificate and the BACnet proof of conformity. In conjunction with the BLT certificate of the BACnet Testing Labs (BTL), the test certificate is also valid as proof of BACnet conformity (ISO 16484-5).



AMEV

Arbeitskreis Maschinen- und Elektrotechnik
städtischer und kommunaler Verwaltungen

WSP CERT

BACnet ZERTIFIZIERUNGSTELLE

AMEV attestation for certified BACnet devices

1. The following BACnet device is certified as per DIN EN ISO 16484-5:

Supplier	Tridium, Inc.
Product name	JACE-8000
Product model number	12977
Standard device profile	B-BC
Firmware revision	BACnet protocol vers. / rev. 1.14
	4.7.130.05



SBS IOM I/O-Fieldbus module

Slim and compact: The OAS-SBS-IOM series consists of a carefully selected range of compact fieldbus modules with inputs and outputs for DIN rail mounting, on the mounting plate in the control cabinet or in the electrical distribution board or in the 19" rack, for mounting on the door. The OAS-SBS-IOM series has thus been kept deliberately slim and is primarily aimed at the requirement for cost-effective physical connection of digital or analogue input and output values.

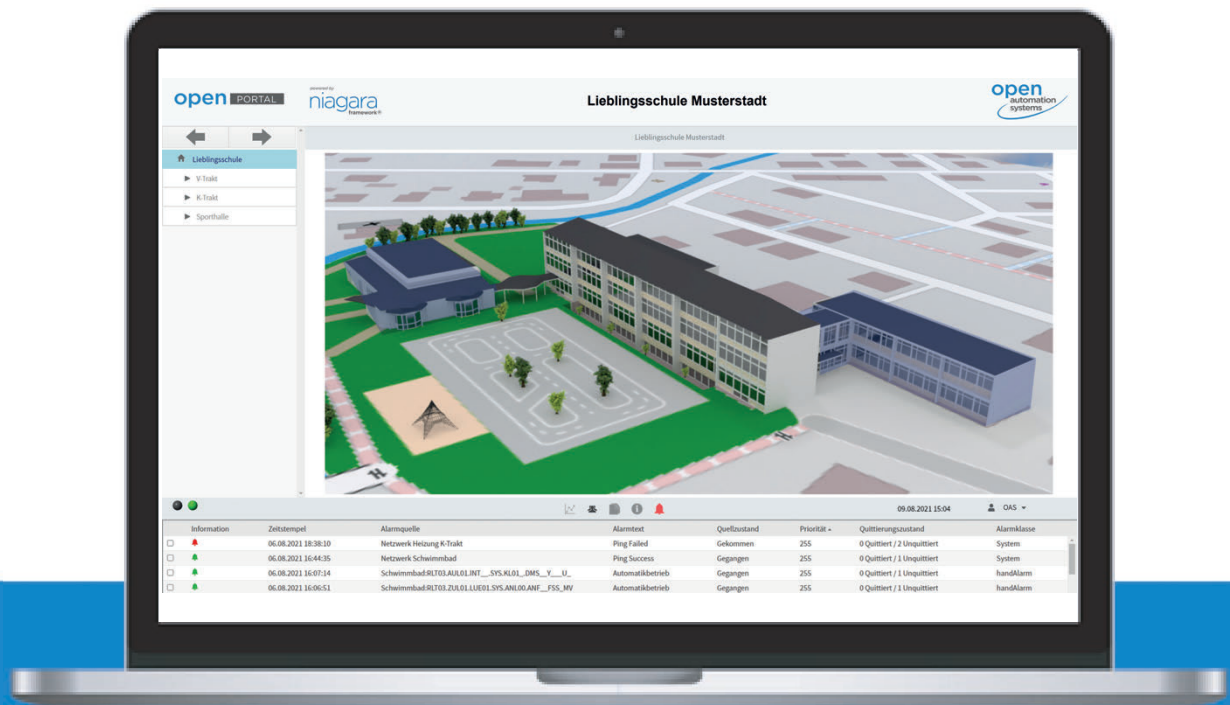
The SBS-IOM units are used to record and output binary / digital and analogue signals at various points in the building and the technical building systems, and to process them in the automation stations (Niagara platforms). The connection to the automation station is made via a commercially available RS 485 communication bus / MODbus RTU.

OAS I/O WEB Module Configurator

All configuration of the communication settings is carried out comfortably and semi-automatically via the OAS I/O WEB module configurator on the automation level Niagara platform.

The configuration, monitoring and control of the inputs and outputs is realised in automatic mode via the RS 485 interface.





OAS Supervisor Utilities Application

the digitalisation of building technology

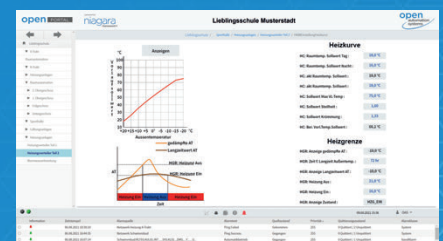
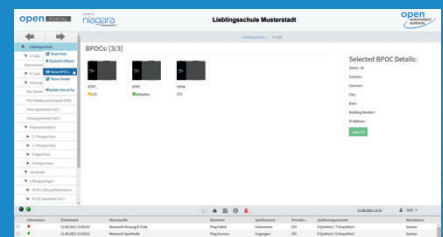
You want to create very fast, super-effective and structured BMS solutions with complex building and plant structures? With the "OAS Supervisor Utilities Application" you are able to do this. From simple smart buildings to complex smart city or campus solutions.

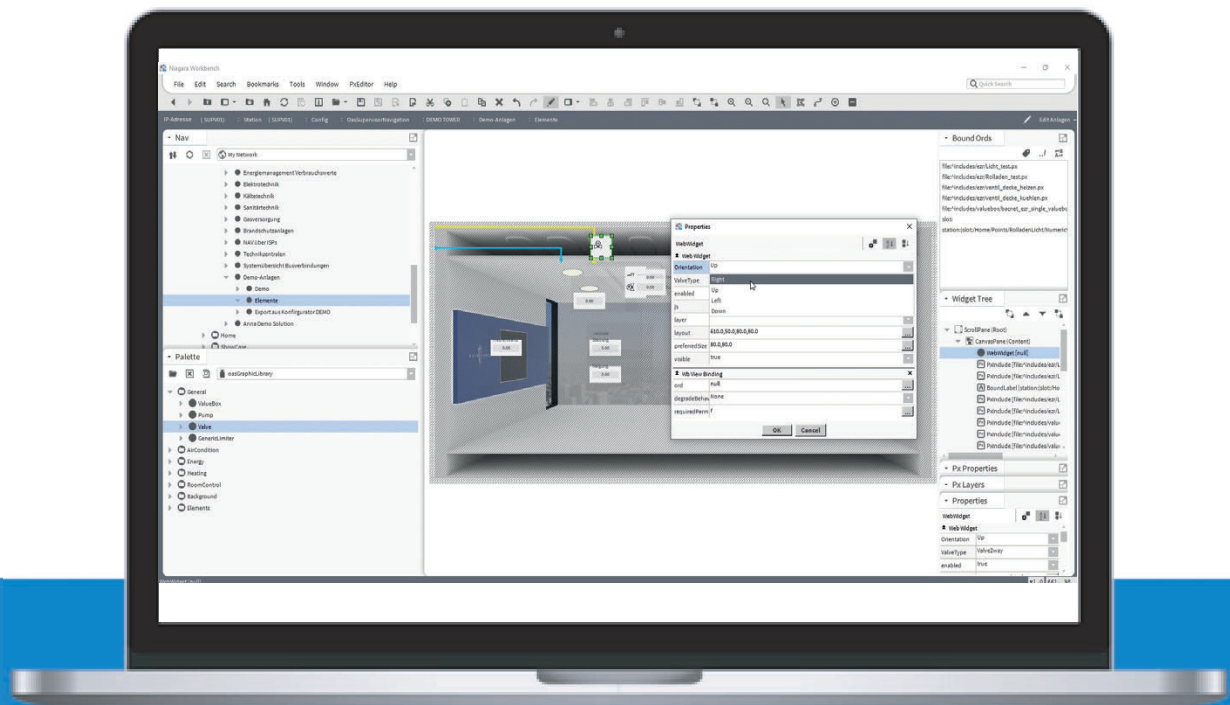
Embedded in the BACnet® certified Niagara Supervisor, the OAS Supervisor Utilities Application enables the rational, structured and semi-automated creation of an open BMS, energy management or SCADA solution. Whether locally, stand alone on the customer server, in the customer data centre or as a cloud-based portal solution: Each solution offers a secure, reliable and trouble-free system integration with a high level of operating convenience.

The utilities are applications integrated in the Niagara Supervisor. The modules are offered in four levels:

- OAS BACnet and Niagara 4- Supervisor Utilities 1 WEB- BMS Basic Module
- OAS BACnet and Niagara 4 Supervisor Utilities 10 WEB- BMS Basic Module
- OAS BACnet and Niagara 4 Supervisor Utilities 100 WEB- BMS Basic Module
- OAS BACnet and Niagara 4 Supervisor Utilities Unlimited (UNL) WEB- BMS Basic Module

OAS Supervisor Utilities





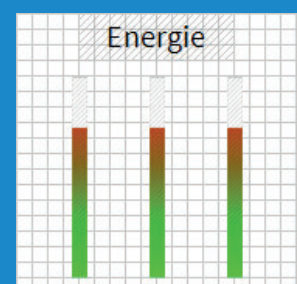
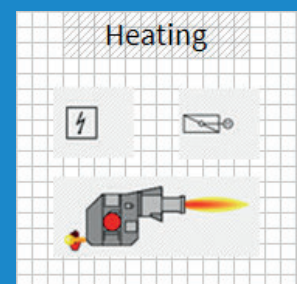
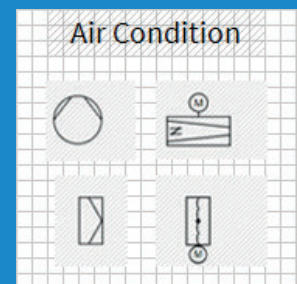
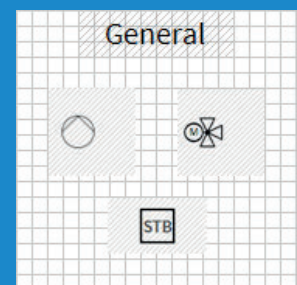
OAS Graphic Library

the rational creation of standardised and complex graphics of energy and building management systems

The OAS Graphic Library, which ProSystems has developed, is an update for the OAS Supervisor Utilities and a collection of graphics and widgets from building services engineering. For the entire technical building equipment (TGA) such as heating, ventilation and air conditioning technology as well as room automation - graphics are provided for all important applications. Sensors and actuators are just as available as pop-ups with Niagara standard functions and interfaces for numeric, Boolean and other data point types.

OAS partners and users use the "Graphic Library" to rationally create standardised and complex graphics of energy and building management systems. Working with the OAS Supervisor Utilities within the Niagara Workbench becomes even more effective with the "Graphic Library". The library provides widgets with a modern user interface for selecting functions and properties.

In order to make the best use of all the innovations of the OAS Supervisor Utilities and to display them optimally, our "Graphic Library" uses the latest web technologies offered by the Niagara Framework®.



Our OAS configurators

As a participant of the OAS partner program, you receive extended access to our system solution kit as a configurator and download area.

Highly functional online tool for standard solutions

With this tool, municipal utilities configure their systems for district heating supply, integrators obtain quotations for control construction, building planners automate their documentation: the OAS Configurator is a feature-rich online tool for assembling standard solutions. From control construction with all control types to cloud solutions, users are supported in planning automation solutions, configuring systems, setting up servers, managing project data.

Standard solutions for every area

Independent of technology, the configurator offers access to networked smart building solutions that break through the horizon of classic room and building automation. The OAS configurators currently include these areas: Tridium Niagara, JACE 8 in 13 different bundles, I/O fieldbus modules from the OAS program of Smart Building Solutions (SBS), SBS system configurator for the areas of heating and ventilation technology, district heating technology, boiler sequence control, solar and multivalent technology, basic and expansion controllers.

The continuous digitisation of technical building equipment begins with the OAS Configurator!

The continuous digitalisation of technical building equipment begins with the OAS configurators! Register as a TGA specialist planner or become an OAS partner and use our configurators!

According to DIN EN ISO 16484-3

We work according to the building automation DIN EN ISO 16484-3: 2005 (D) GA function list. With this tool, OAS automates the creation of the VDI 3814 / DIN EN ISO 16484-3 | 2005-12 lists.

The 4 module types of the basic series simply fulfil the task of opening up all physical data point types according to DIN EN ISO 16484-3.

- OAS-SBS-IOM-1021: AI input function, analogue , measure 1.5
- OAS-SBS-IOMR-1022: AO Output Function, Analogue Digits 1.2
- OAS-SBS-IOM-1023: DI Input Function (Binary Input Message 1.3 and Binary Input Count 1.4)
- OAS-SBS-IOMR-1024: DO output function, binary switching/setting 1.1

The screenshot displays the 'SBS Smart Building Solutions von OAS' configuration interface. It includes a sidebar with navigation options like 'TRIDUUM NIAGARA', 'SBS EDGE XM4 IO-Controller', and 'SBS IOMRX I/O-Feldbusmodule'. The main area is titled 'Konfigurieren Sie frei Ihre SBS-Automationslösung mit SBS I/O-Feldbusmodulen'. It features a table for selecting data point types (AI, AO, DI, DO) with their respective functions and a summary table for the total number of modules and I/O points. Below this, there's a section for the 'Automationsplattform' (Automation platform) and a final 'Übersicht' (Overview) section showing a visual representation of the configured system components.

Datenpunkttyp	AI	AO	DI	DO
nach DIN EN ISO 16484-3	Eingangsfunktion, physikalisch Analoge Eingangs-Messung 1.5	Ausgangsfunktion, physikalisch Analoge Ausgangs-Stellen 1.2	Eingangsfunktion, physikalisch Binäre Eingangs-Messung 1.3 Binäre Eingangs-Zählung 1.4	Ausgangsfunktion, physikalisch Binäre Ausgangs-Schaltung/ Stellen 1.1
Anzahl der Module	1	1	1	1
Externe I/O gesamt	8	8	16	8
I/O Reserve gesamt	0	1	10	2

2. Automationsplattform

Automatisierungsplattform
OAS SBS JACE BNA IoT - Integrationsplattform

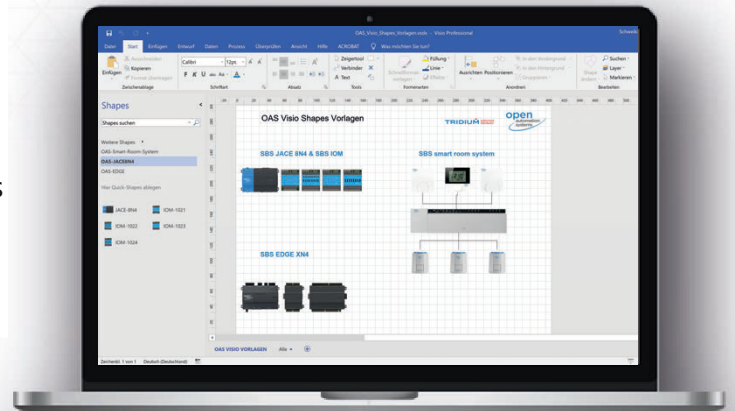
- 100 Datenpunkte, ohne WiFi
- SBS JACE BNA - AutomationServer Kit
- inkl. JACE 8000 - Base unit
- WLAN Enabled (no WLAN)
- inkl. JACE 8000 - SD Card
- inkl. JACE 8000 - Clip OAS branded
- inkl. JACE 8000 Core & 100 Proxy Points, 5 Drivers
- inkl. 8000 - 1 Year Maintenance Initial (18 months)

4. Übersicht

Further benefits of OAS system integrators

Project planning support

The more complex the building automation is, the more crucial is an efficient system engineering. With its attractive partner program, OAS offers all-round support in the project planning phase. Planner experts and engineering offices that register as OAS partners benefit from this. In addition, OAS Niagara system Integrators receive extended access to the project planning templates. Numerous E-PLAN CAD templates, Microsoft® Visio® templates and other materials are available to participants in the OAS Partner Programme - from EPLAN data and circuit diagrams with wiring examples for the configuration of SBS JACE 8N4 controllers and SBS IOM I/O fieldbus modules to customisable Visio shapes for SBS EDGE XN4 controllers and OAS Smart Room systems.



Individual Software Solutions - Software Services

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. We are the right development partner when it comes to Niagara compatible drivers or applications. 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.

ProSystems GmbH
niagara
certified developer



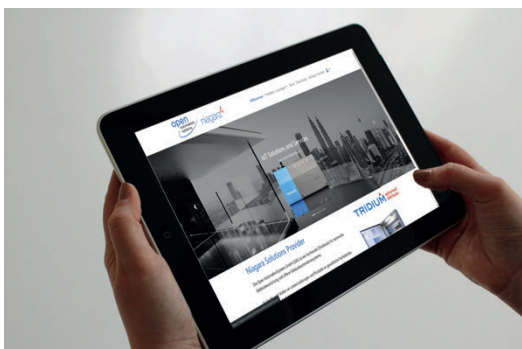
IoT Solutions and Services for Smart Automation

Individual solutions for intelligent buildings / smart building solutions - we offer you everything you need. From the automation and control technology of your lighting and façade control to the automation of the heating, ventilation and air conditioning system, we offer you both individual components and standardised and proven SBS complete solutions.



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