



NIAGARA SOLUTION PROVIDER

OAS Open AutomationSystems GmbH

BECOME A NIAGARA SYSTEM INTEGRATOR

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

→ www.openautomationsystems.store/en

IoT Solutions and Services
for Smart Automation

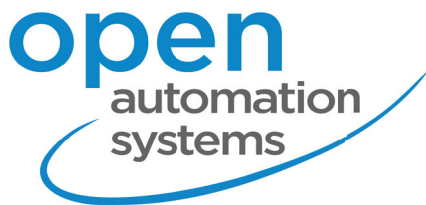
powered by

niagara
framework®

Welcome to OAS!

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

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



We are Tridium's Gold Distributor

Since 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 end-to-end digitalization of technical building equipment. Our years of experience with products powered by Niagara Framework® give us solid and constantly growing know-how to respond to the needs of our customers and provide competent support.



Tridium Authorized Distributor

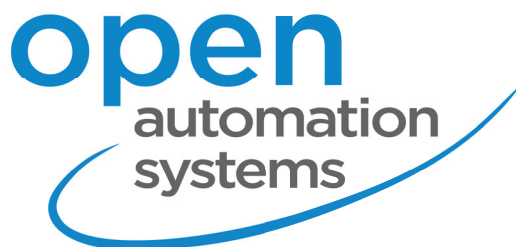
We are the Tridium Authorized Distributor in Germany. In combination with us as Niagara 4 Certified training partner, we are your strong partner in realizing your plans into an open and digital future. Thousands of enterprises and public sector organizations worldwide rely on Niagara and prefer open 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.



Member of the BIG-EU

With OAS as a BACnet Interest Group Europe (BIG-EU) member, the network of European BACnet users is growing. 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 also in the time of increasing IoT solutions.





PARTNER

OAS Partner Program

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

As a participant in the OAS Partner Program, 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 personalized trainings up to a qualified certificate are available to you. Become an OAS-Niagara system integrator. Working closely with partners who are pushing boundaries and breaking new ground within the open Internet of Things (IoT) is our goal.

Requirements

- At least two employees with knowledge in the execution and planning of building automation systems
- Participation in training programs
- OAS partner contract
- You are a company or commercial specialist, industrial customer or qualified system house partner from the areas:
 - Electrical engineering
 - heating-ventilation-air-conditioning-sanitary
 - Information and communication technology

powered by
niagara
framework®



Advantages:

- Competitive advantage through open IoT automation solutions, systems, devices, products and services based on Niagara technologies.
- Sales structures organized on a partnership basis.
- German-speaking, technical as well as commercial support for the Niagara portfolio.
- Scalable training programs for products and solutions.
- Access to data point lists, libraries, asset graphs 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.

All Tridium and Niagara licenses are generated for you online and on demand.

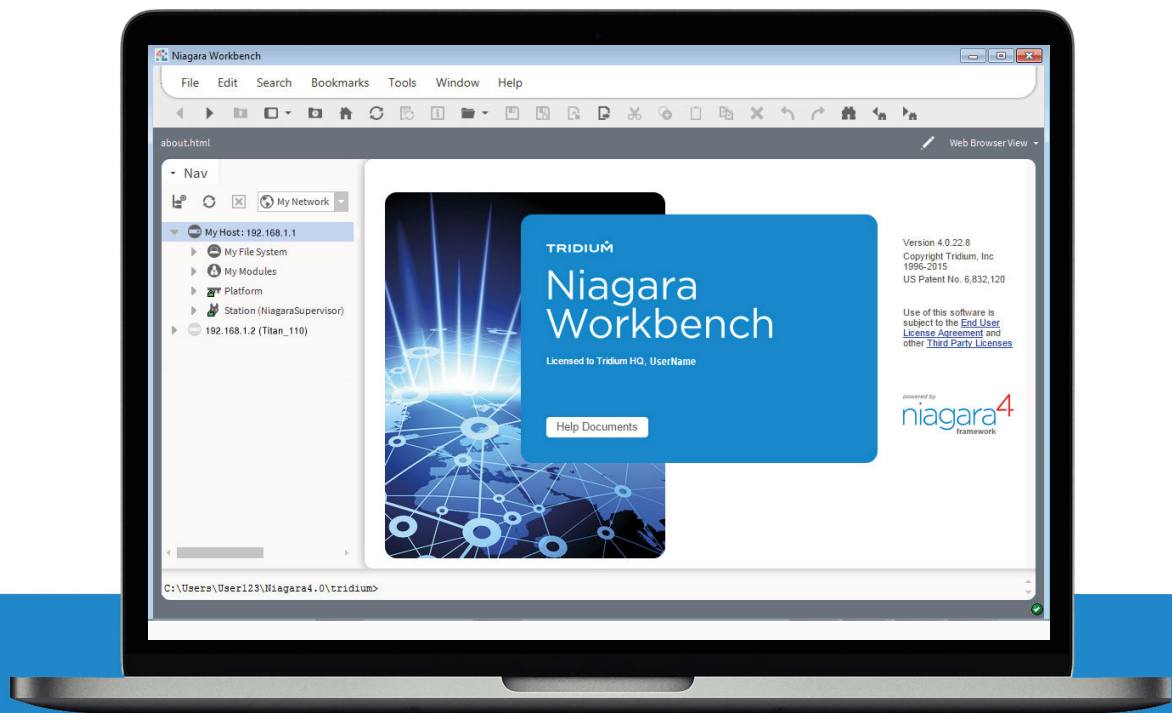
- You have no waiting time and can contact us personally.
- Get started right away with our OAS partner Tridium Workbench license.
- Our SBS-IOM I/O modules, SBS JACE 8N4 as well as touch panels are always in stock.

Expectations:

- Active marketing of the products by addressing and supporting the planning of specialist engineers, architects, public clients, general contractors, Technical building equipment companies and commercial end customers.
- Expert advice and support planning of the aforementioned products.
- Reliable performance throughout the execution.
- An established market access in the field of building automation.
- Marketing of OAS products and solutions.
- Feedback on experiences and results with our products in the market environment.
- Identify market trends and new applications in the Niagara environment.
- Preparation and publication of executed projects with mention of the OAS products used 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!

As a Niagara 4 Certified training partner, OAS offers German and English language training and education up to the Niagara 4 TCP certificate. The official, five-day Niagara 4 training covers all aspects of the Niagara Framework®.

Attendees will participate in exercises, demonstrations, and a series of hands-on step-by-step workshops using the Tridium JACE® 8000 and Niagara 4 Workbench Engineering Tool & Supervisor.

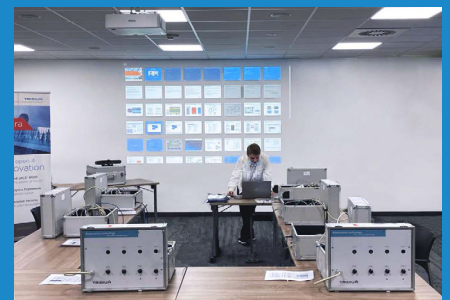
The Niagara 4 Technical Certification Program is designed for system integrators and for BMS engineers.

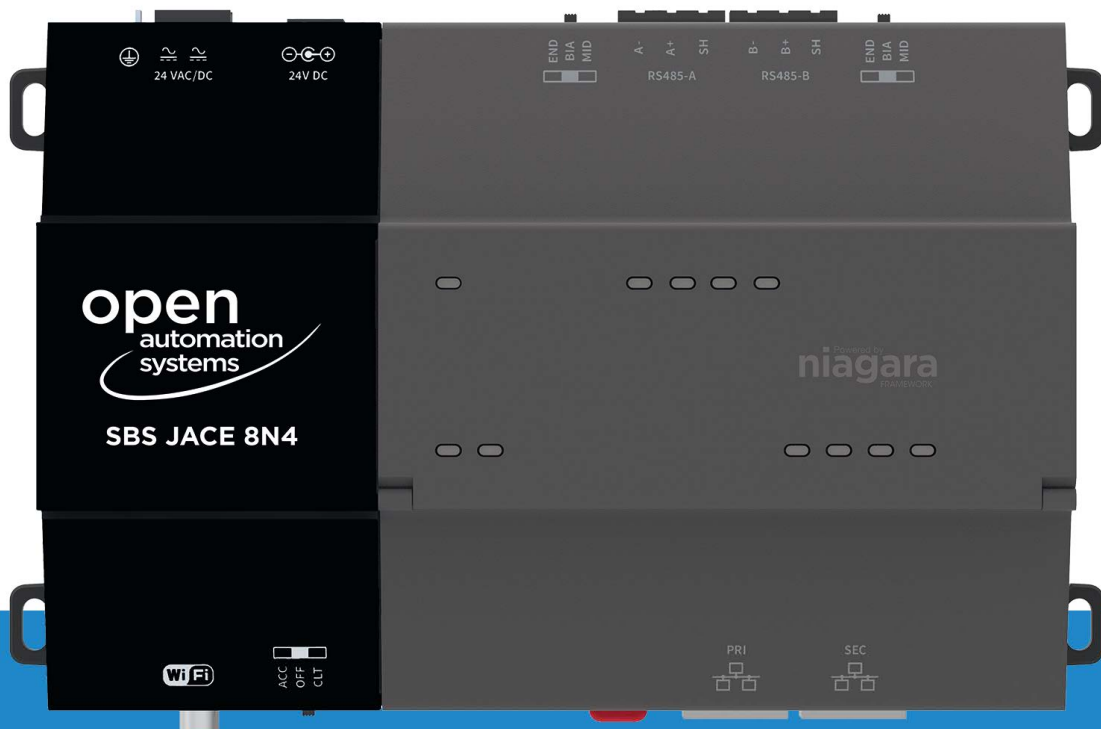
Participants who successfully complete the Niagara 4 Technical Certification Program receive an official Tridium certificate. The TCP certificate demonstrates a solid foundation of expertise required to efficiently design and program projects using Niagara 4 and to commission them.

Confident handling of the Niagara Workbench

The Niagara Workbench is presented in all its facets: How it can be used to develop standardized templates as well as custom applications. And how it serves as a solid foundation for all applications, from simple building automation and local HMI solutions to supervisor and management tasks in global BMS or SCADA applications.

GET CERTIFIED NOW!





SBS JACE 8N4 Automation platform

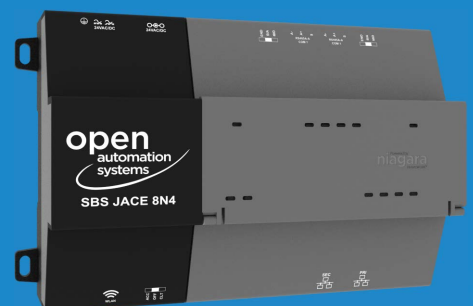
Powerful automation and integration platform

SBS JACE 8N4 is an open and high-performance automation and integration platform. The consistent application of this technology reduces energy and operating costs. Based on the Niagara 4 Framework®, all building services equipment and systems are homogeneously combined into one building automation and building management system.

Our automation solutions are consistently networked on the basis of standardized Internet technologies. This digital continuity with standardized communication protocols allows you to connect securely and seamlessly with open management systems as well as integration into the customer's information technologies and ERP systems.

AMEV certified BACnet device

The Tridium JACE 8000 meets the special requirements of the public sector for independent building automation with the AMEV testate and the BACnet proofs of conformity. The testate, in conjunction with the BLT certificate from BACnet Testing Labs (BTL), is also valid as proof of BACnet conformity (ISO 16484-5).





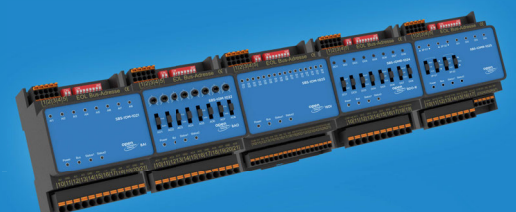
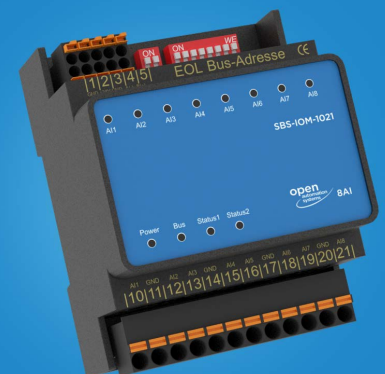
SBS IOM I/O-fieldbus modules

The open Modbus I/O system

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 door mounting. Thus, the OAS-SBS-IOM series is kept deliberately slim to allow cost-effective physical connection of digital or analog input and output values.

Open, compact and comfortable

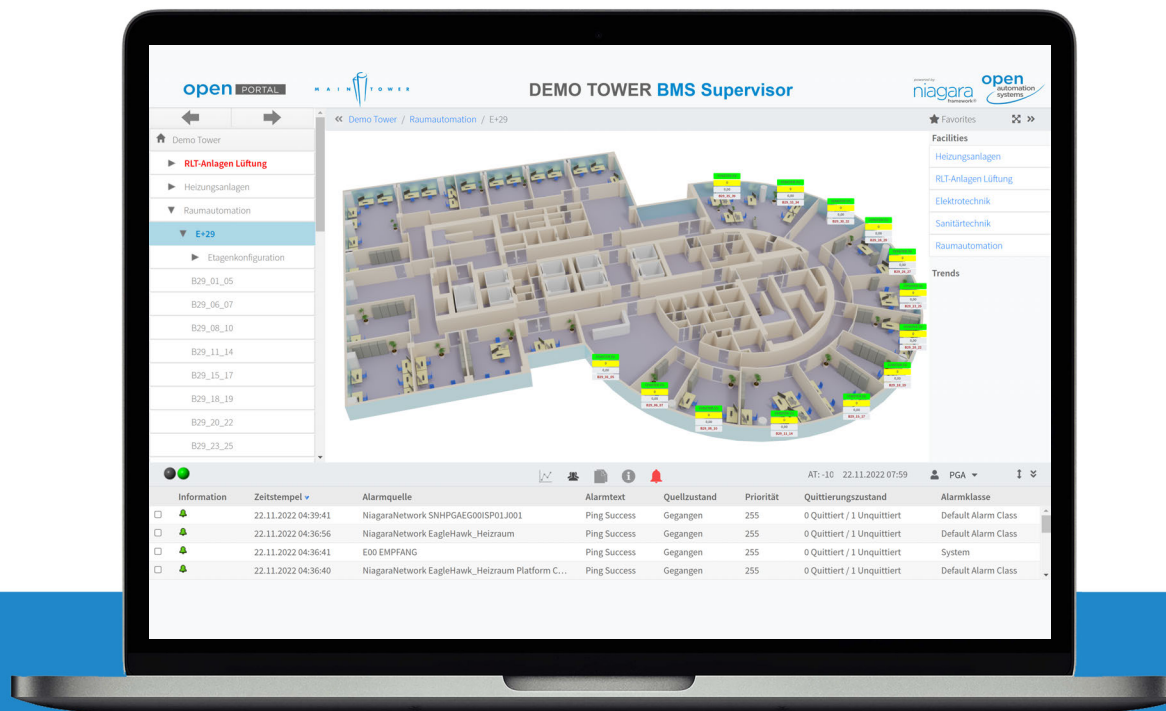
Via the SBS-IOM devices, binary, digital and analog signals are acquired at various points in the building and the building services equipment, output and further processed in the automation stations (Niagara platforms). Due to the standardized communication via Modbus no further gateways are required.



OAS I/O WEB Module Configurator

The OAS I/O WEB module configurator is used to configure communication with the controller in automatic mode via the RS 485 interface. It is thus also a key to the integration of the I/O fieldbus modules into the Niagara platform. All necessary communication settings are made easily, transparently and effectively with the OAS I/O WEB Module Configurator.





OAS Supervisor Utilities Application

The digitization 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.

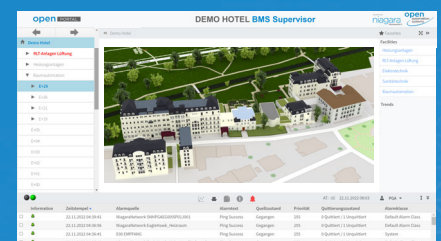
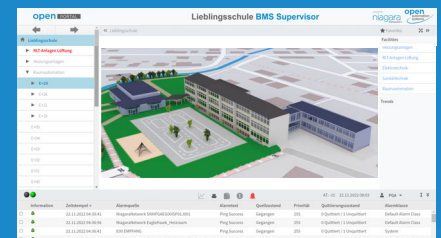
Embedded in the BACnet® certified Niagara Supervisor, the OAS Supervisor Utilities Application enables the streamlined, structured and semi-automated creation of an open BMS, energy management or SCADA solution. Whether local, stand-alone on the customer server, in the customer data center or as a cloud-based portal solution: Each solution offers a secure, reliable and trouble-free plant integration with high ease of use.

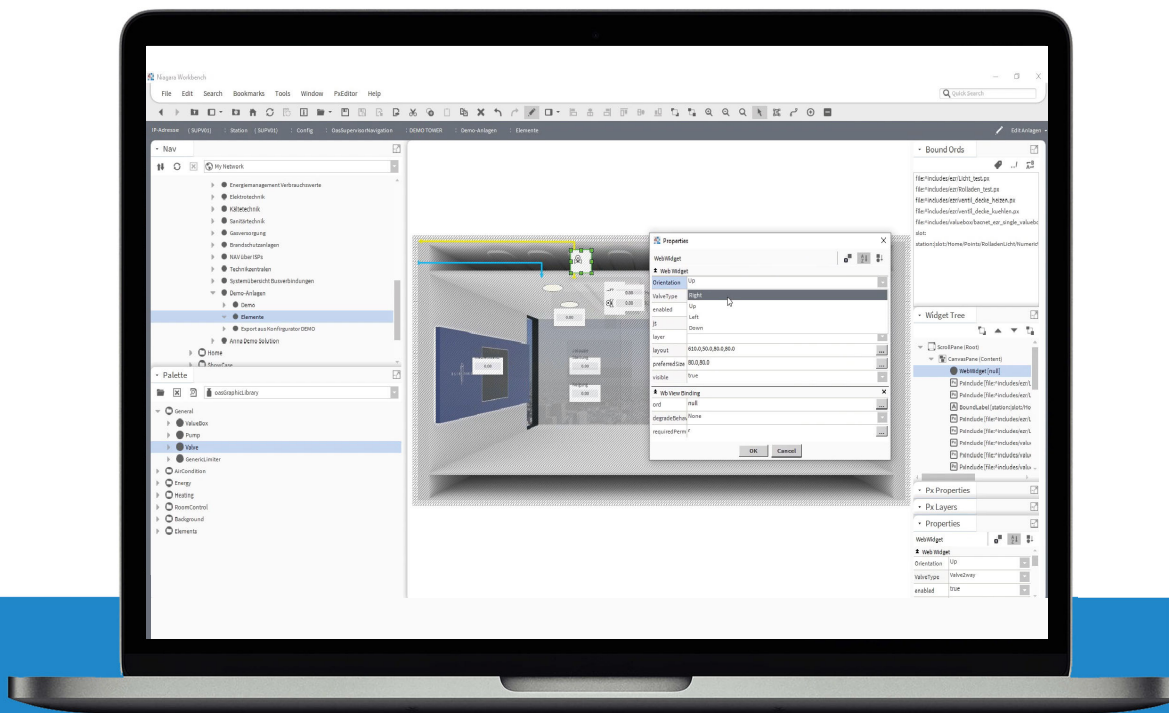
The utilities are applications integrated in Niagara Supervisor. The modules are offered in four levels.

BMS powered by Niagara

The OAS Supervisor Utilities Application offers intelligent functionalities on server level for structured and scalable integration of simple to complex plant structures across all trades of the TGA. The also freely scalable integration of networks from integration platforms such as JACEs, Niagara Edge or third-party systems are part of the OAS solution for the rational establishment / creation of a BMS or SCADA solution according to customer requirements.

OAS Supervisor Utilities





OAS Graphic Library

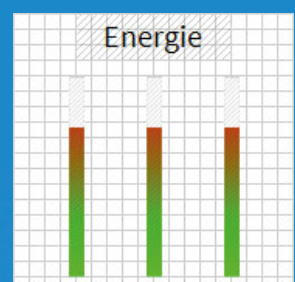
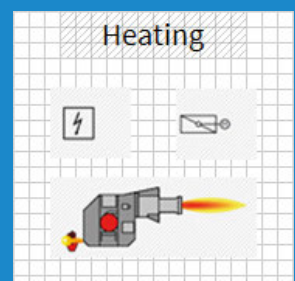
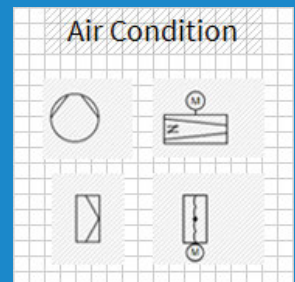
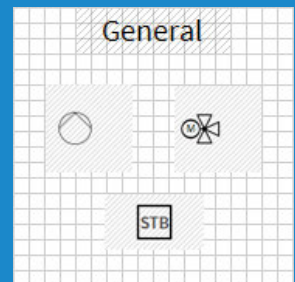
The efficient creation of standardized and complex graphics of energy and building management systems

The OAS Graphic Library, developed by ProSystems, is an update for the OAS Supervisor Utilities Application. It is a collection of graphics and widgets from building services and for the entire technical building equipment (TGA) such as heating, ventilation, air conditioning and room automation. Graphics are provided for all important applications. Sensors and actuators are provided as well 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 standardized and complex graphics of energy and building management systems. Working with OAS Supervisor Utilities within Niagara Workbench becomes even more effective with the OAS Graphic Library. The Library provides widgets with a modern user interface for selecting functions and properties.

To make the most of all the innovations of the OAS Supervisor Utilities and to display them in the best possible way, the OAS Graphic Library uses the latest web technologies offered by the Niagara Framework®.

- Pop-up available in the web view
- holistic engineering via Niagara Workbench
- Widgets can be integrated directly into PX files by dragging them into them
- all widgets are configurable
- integration into existing Niagara applications



The OAS configurators

As a participant of the OAS Partner Program, you will receive extended access to our system solution kit as a configurator in the download area.

Funktionsstarkes Online-Tool für Standardlösungen

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 to plan automation solutions, configure plants, set up servers, manage project data.

With this tool, municipal utilities can configure their systems for district heating, integrators can obtain their quotes for control construction, and building designers can automate their documentation.

Standard solutions for every area

Technology-independent, the configurator offers entry into networked smart building solutions that break through the horizon of classic room and building automation.

The OAS configurators cover these areas:

- Configurable Tridium JACE 8000 N4 kits
- Preconfigured SBS JACE 8N4 bundles
- Freely configurable automation solutions with SBS-IOM I/O fieldbus modules. Data point type and data point demand oriented.
- OAS plant configurator for the areas:
 - Heating and ventilation technology,
 - district heating technology,
 - boiler sequence control,
 - solar and multivalent technology,
 - basic and expansion controllers.

The continuous digitalization of technical building equipment starts with the OAS configurators! Register as a technical building equipment planner or become an OAS partner and use our configurators!

The screenshot displays the OAS configurator's user interface. At the top, there's a navigation bar with links like 'Willkommen', 'Produkte', 'Partnerportal', 'News', 'Referenzen', 'Downloads', and 'Kontakt'. The main heading is 'SBS Smart Building Solutions von OAS'. Below this, a sub-heading reads 'Konfigurieren Sie frei Ihre SBS- Automationslösung mit SBS I/O-Feldbusmodulen'. The interface is divided into several sections: a sidebar on the left for selecting system solutions, a main configuration area, and a download section. The configuration area includes a table for selecting data point types (AI, AO, DI, DO) and their corresponding module counts. Below the table, there's a section for the 'Automatisierungsplattform' and a '3. Übersicht' section showing a rack of modules. A 'Anfrage senden' button is located at the bottom right of the main content area.

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 four module types of the basic series fulfill the task of accessing all physical data point types according to DIN EN ISO 16484-3.

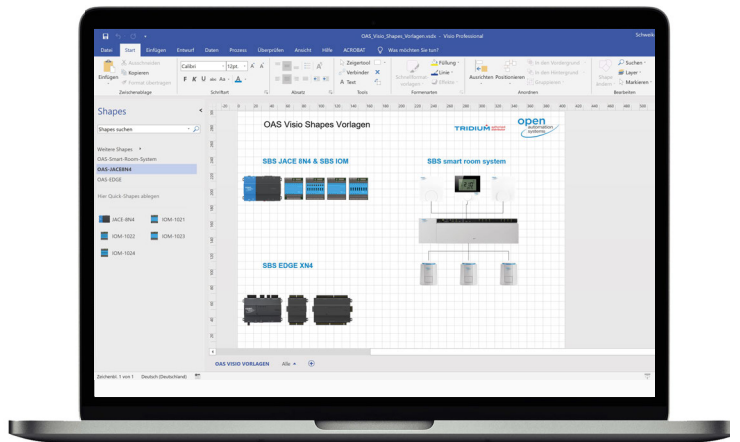
- OAS-SBS-IOM-1021:
Analog Input (active/passive), 1.5
- OAS-SBS-IOMR-1022:
Analog output positioning, 1.2
- OAS-SBS-IOM-1023:
Digital Input (Binary Input state 1.3 and binary input counting 1.4)
- OAS-SBS-IOMR-1024:
Digital Output, Binary output switching/positioning) 1.1

Further benefits for OAS partners

Project planning support

The more complex building automation is, the more crucial efficient system engineering is. 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 partners receive expanded access to project planning templates. Numerous E-PLAN CAD templates, Microsoft® Visio® templates and other materials are available to OAS Partner Program participants - from EPLAN data and schematics with wiring examples for the configuration of SBS JACE 8N4 controllers and SBS IOM I/O fieldbus modules to customizable Visio shapes for SBS EDGE XN4 controllers and OAS smart room systems.



Your Niagara Certified Developer in Germany

Individual software solutions and software services

ProSystems is the partner for integrating the Niagara Framework® into the product portfolio of customers and partners. We offer a wide range of Niagara 4 based solutions and modules for integration and automation as well as building energy, alarm and fault management.

The possibilities and offerings are endless. So OAS and ProSystems also offer powerful applications and Niagara Framework based developments:

From graphics and function libraries, UIs, HMI, BMS, tools and utilities, applications, drivers as well as specifications for Niagara solutions.

Are you looking for individual software solutions, interfaces or drivers for your open energy management or building automation system?

Then ProSystems is the right choice for you! Everything from one source: From the first consultation to support.

ProSystems GmbH
niagara
certified developer

niagara4you

IoT Solutions and Services for Smart Automation

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



powered by
niagara
framework®

TRIDIUM  authorised distributor

OAS Open AutomationSystems GmbH

Am Forst 26
74889 Sinsheim
Germany

Tel.: +49 7265 / 49 96 522
Fax: +49 7265 / 49 96 523
Mail: sales@oa-systems.de
www.openautomationsystems.store/en

