



MAPS 4

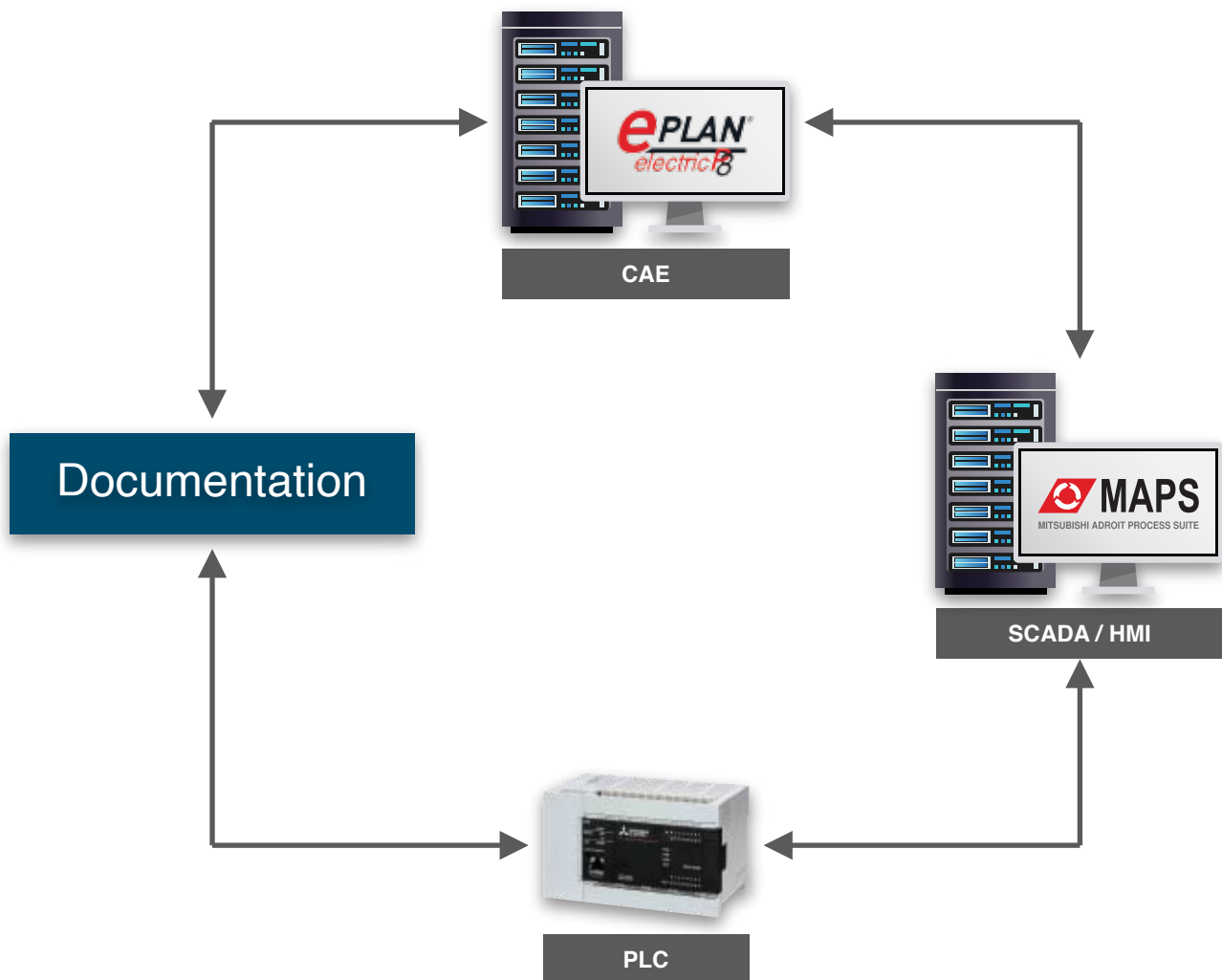
MAPS is a collaboration between Adroit Technologies and Mitsubishi Electric focused around offering an integrated PLC/SCADA programming and management tool.

Introduction

MAPS is a collaboration between Adroit Technologies and Mitsubishi Electric focused on offering an integrated PLC/SCADA programming and management tool.

The result is an integrated life-cycle management solution to the automation industry. Unlike traditional SCADA programs, MAPS delivers a tightly integrated SCADA and PLC solution built around preconfigured and tested engineering libraries, with a built-in full suite of diagnostics and maintenance tools and integrated document management capabilities.

Create advanced, secure, and integrated solutions that deliver value to your business. The MAPS 4 SCADA and related software products provide the latest automation software for general industrial users including utilities, telecommunications, food and beverage, manufacturing, life sciences, mining and mineral processing, IoT, Smart Cities or building and facilities management industries.



Any modern SCADA/HMI solution requires integration with many sources of data. One of the big differentiators with MAPS is that it offers secure connectivity to many data sources, including real-time, transactional and web services.

Key features and benefits

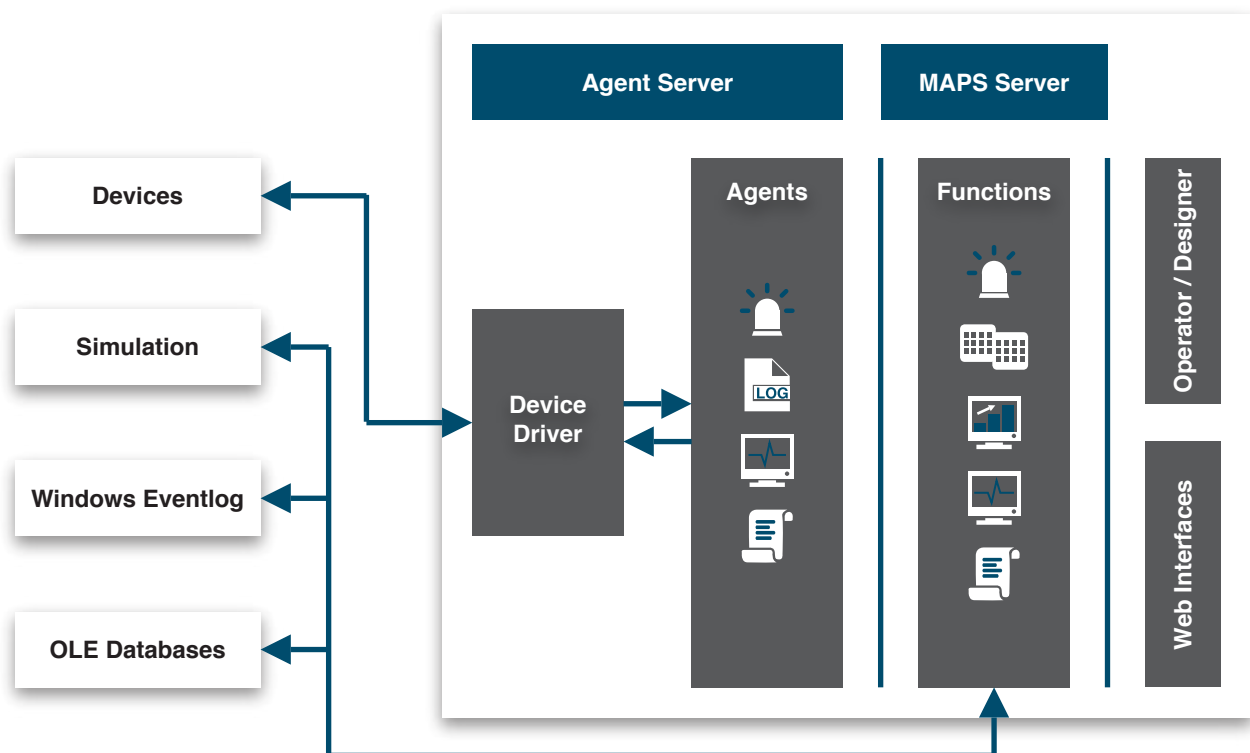


- MAPS delivers a tightly integrated SCADA and PLC solution built around preconfigured and tested engineering libraries, with a built-in full suite of diagnostics and maintenance tools and integrated document management capabilities.
- With pre-defined, user-configurable PLC function blocks and associated SCADA graphics that are based on the International S88 and S95 standards, MAPS delivers great value in reducing time and effort in the automation project's design, testing and commissioning phases.
- The MAPS solution is a structured single point of configuration. EPLAN P8 CAE Software support and structured single point of configuration allowing for bulk engineering.
- Windows security ensures that only authorised persons can access the system by managing users and groups.
- MAPS addresses another big shortfall in automation projects through reports that can be generated, covering I/O schedules and PLC and SCADA tag configuration.
- The MAPS solution offers the capability of ongoing management of PLC/SCADA and the plants' "as-built" electrical and instrumentation documentation.
- The 21CFR11 feature provides additional auditing and authentication functionality that is not only important for regulated industries such as pharmaceutical, but also for general manufacturing and process where a second level of verification and Audit trail is required.
- Automatically generated PLC and SCADA projects to reduce engineering effort. The wizard approach to projects using MAPS allows users to benefit from the reduced time spent on design and configuration.
- Modern communication solutions, remote control concepts and flexible data management mean that the plant operators are now able to visualise the status of all the parts of the plant from a central location at any time.
- Engineering, commissioning and maintenance costs can be reduced considerably by using MAPS.

Process Visualisation and Productivity

Create advanced, secure, and integrated solutions that deliver value to your business. The MAPS 4 SCADA/MAPS HMI and related software products provide the latest automation software for general industrial users including water utilities, telecommunications, food and beverage, manufacturing, life sciences, processing, building and facilities management industries. MAPS is also built to deliver solutions around IoT applications.

MAPS takes raw data from the front end device like a PLC or RTU in the process field and transforms it into an easy to understand graphic representation, whilst adding the ability to log history, do alarming and process values.



MAPS 4 SCADA helps identify and manage key factors such as quality, production, and energy efficiency, which ultimately lead to greater business profits. The MAPS 4 SCADA is at the forefront of the SCADA/HMI market, making it one of the most open, advanced, and scalable SCADA platforms available.

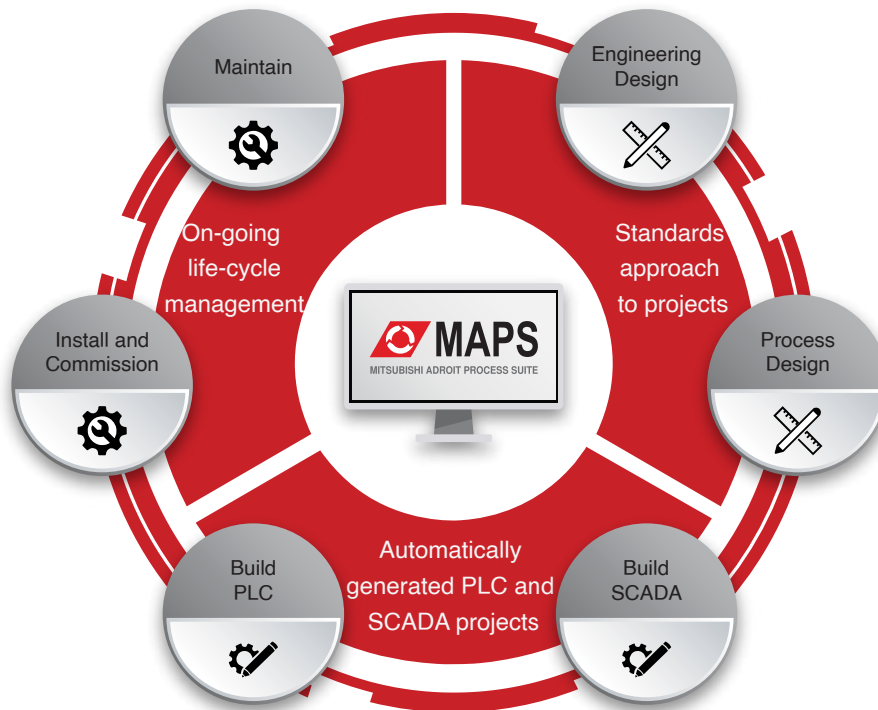
MAPS 4 SCADA is the underlying product for MAPS life-cycle engineering and MAPS HMI and has a flexible, object-oriented client-server architecture that supports any system from a stand-alone implementation to an installation spanning multiple distributed sites.

The highest availability and reliability can be achieved through active clustered server technology options. The client-side provides the capability of configuring, displaying, manipulating, and delivering the values in a rich and secure user interface known as the operator.

The MAPS design environment offers a familiar and intuitive interface resulting in faster engineering which leads to higher productivity and ultimately reduced costs.

Life-cycle Engineering

With a structured system design, MAPS supports consistency and integrity right across the automation system throughout its life-cycle from process design and engineering through installation and commissioning to maintenance and setup.



Engineered to offer a fully integrated management solution, MAPS can significantly reduce lifecycle engineering efforts and costs, offering savings of up to 50%.

MAPS adds value throughout all the phases of the automation system project, from process design to engineering, development of the control systems, installation, commissioning, startup and acceptance testing, through to operations, maintenance, repairs, and ongoing upgrades.

Unlike traditional SCADA programs, MAPS delivers a tightly integrated SCADA and PLC solution built around preconfigured and tested engineering libraries, with a built-in full suite of diagnostics and maintenance tools and integrated document management capabilities.

Reduced engineering costs

Engineering, commissioning and maintenance costs can be considerably reduced with the preassembled modules and templates available in the MAPS Library.

Secure remote access

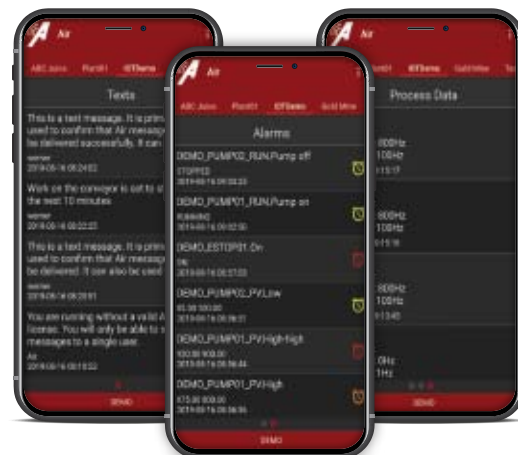
Modern communication solutions, remote control concepts, and flexible data management mean that the plant operators are now able to visualise the status of all the parts of the plant from a central location at any time and on any hardware-independent device. Windows security ensures that only authorised users can access the system by managing users and groups.

Mobility

Adroit Air

Always be in contact with your plant via push notifications

Adroit Air is an alarm notification and text message platform that enables users to receive alarms and process data directly on their smart device from your MAPS 4 SCADA platform. One free connection comes standard with every MAPS 4 SCADA. The primary purpose of the Adroit Air app is to receive alarms from your MAPS 4 SCADA. The user will see a list of up to 20 of the highest priority active alarms.



Performance Anywhere

Adroit 10 has become Mobile

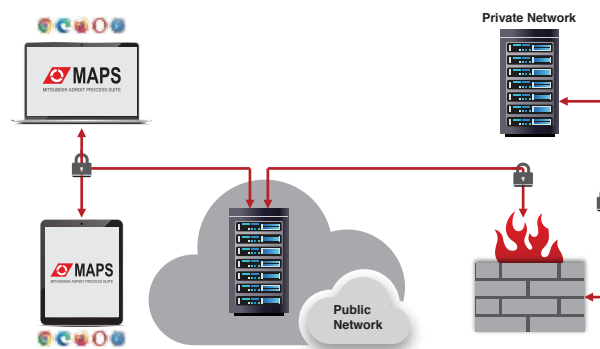
Adroit's Web-client Dashboard was designed to allow mobility. It was developed with HTML5 and boasts responsive design technology, allowing you to access it from a desktop computer, a laptop, a tablet, or your smartphone. MAPS 4 SCADA manages the connection over the internet and allows you to configure a profile that manages the data transferred between client and server.



Secure Mobile Gateway

Secure Remote Access on any Device Anywhere

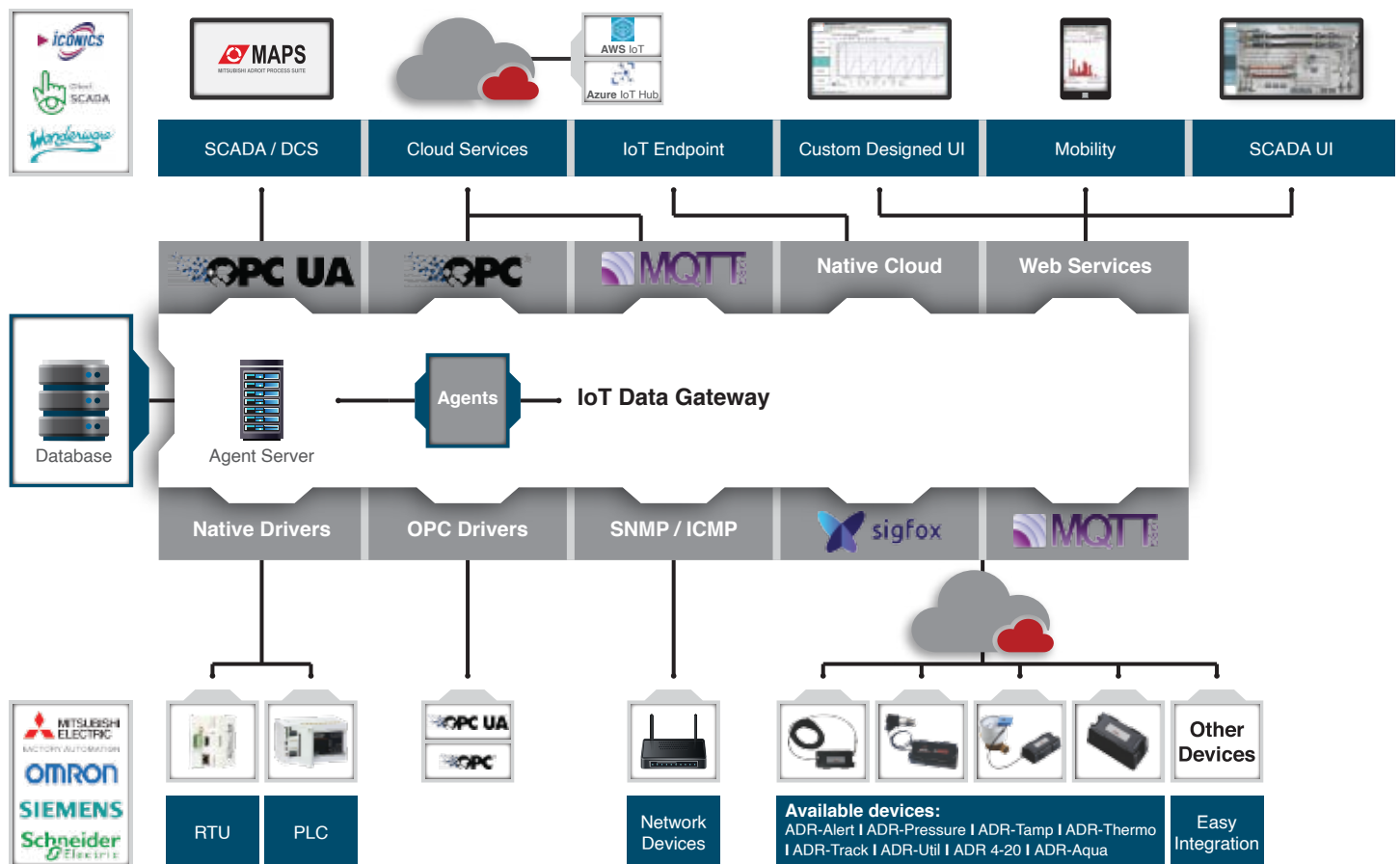
Secure Mobile Gateway is an additional software component providing Web Access to existing Adroit graphics, giving you secure remote access on any device anywhere. Secure Mobile Gateway technology provides web browser access (Edge, Firefox, Chrome, Opera, etc.) from any device. User interface graphic forms can be designed once for display on any device that supports an HTML 5 browser.



Industry 4.0 and IoT Ready

MAPS 4 SCADA is ready for the 4th Industrial Revolution.

Telemetry, remote data acquisition, and being internet-aware makes MAPS 4 SCADA an excellent choice to take advantage of the new Industry 4.0 and IoT revolution. Hosting MAPS 4 SCADA in the cloud or privately and using the IoT Agent allows MAPS 4 SCADA to seamlessly talk to third-party IoT cloud-hosted environments. Independent of the chosen environment (Amazon, Azure, Huawei, Sigfox, or NBIoT), MAPS 4 SCADA is an ideal IoT application builder and Enterprise framework. Additionally, the built-in OPC UA, Sigfox, and MQTT drivers allow secure communications to devices deployed anywhere on the cloud.



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