

S4M SaaS

Smart Compressed Air System Monitoring Software



Coming
Soon!

Next Level of Compressed Air System (CAS) Monitoring Software Service



PROCESS VALUE
VISUALIZATION



CUSTOMER
MANAGEMENT



LIVE VIEW OF
PROCESS DATA



POWERFUL
REPORTING MODULE



EXTENSIVE
DATA ANALYSIS



MONITORING &
OPTIMIZATION



ALARMS &
NOTIFICATIONS



PERSONALIZED
INTERFACE



Benefits

- ✓ Ensure system performance and reliability with remote monitoring and alarm management
- ✓ Save energy and reduce CO2 emissions by identifying system efficiency potential
- ✓ Live monitoring of air production, consumption and historical records for detailed system overview
- ✓ Minimise initial CapEx through rapid development and deployment
- ✓ Easy-to-use plug-and-play solution for rapid deployment of gateways and devices
- ✓ Automatic generation of customised CAS reports for audits

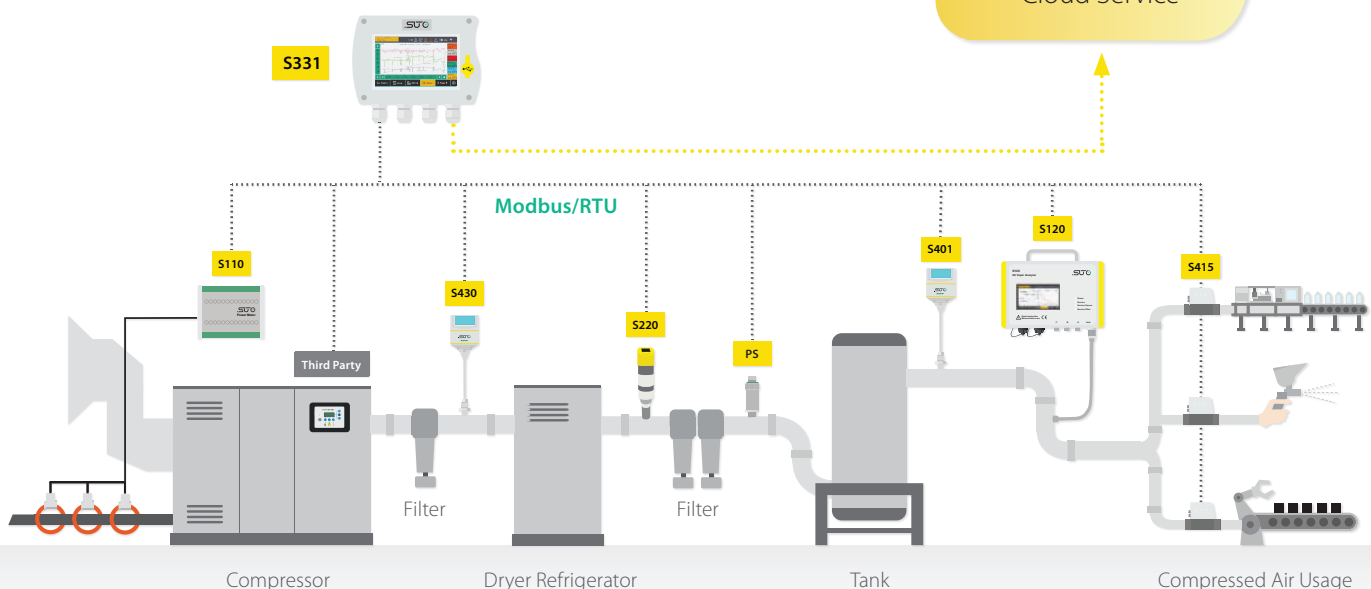
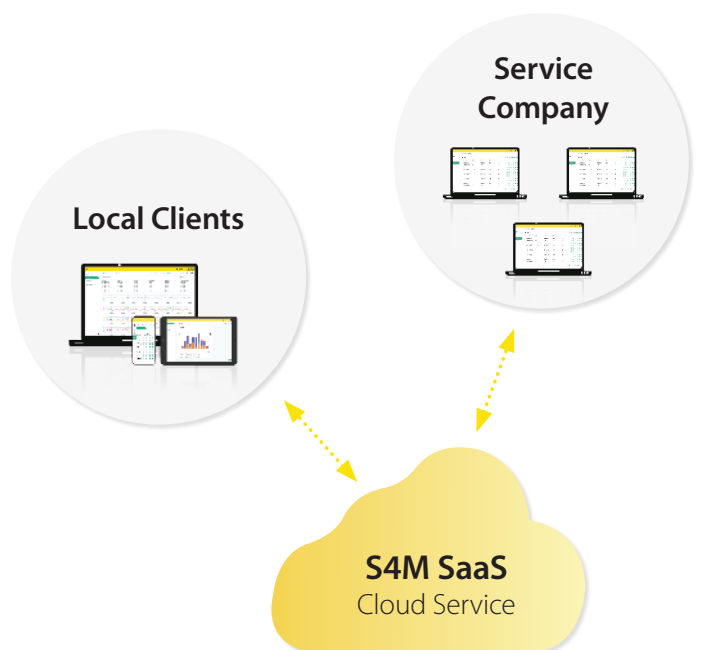
Manage and ensure your whole compressed air system — Reduce downtime and costs

S4M SaaS has been developed from the ground up with a focus on compressed air system monitoring and optimisation.

The software enables end users to take control of their CAS, ensuring process safety and reliability of their compressed air system. At the same time, the software enables compressed air service companies to keep their customers' systems up and running by simply checking the end customer's CAS from anywhere, at any time.

S4M SaaS not only collects measurement data from field devices, but with its built-in features, S4M SaaS actually takes care of the whole system, from asset management, alarms, calibration & maintenance to consumption and energy reporting, all in one solution.

With S4M SaaS, end users and service companies can finally take control of their compressed air systems.



Customizable Dashboard

- Dashboard for system overview and monitoring
- Real-Time data and graphical analysis from the dashboard
- Dashboard fully customizable to users needs with dashboard widgets
- Quick analyzes directly from the dashboard
- Alarm and status indication



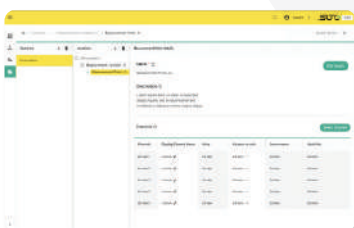
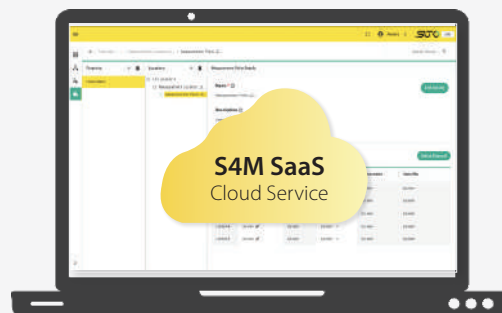
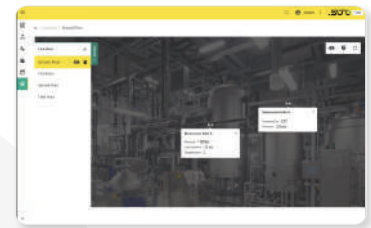
Powerful Data Analysis

- Analyze all channels and parameters within a single module
- Compare historical data with actual data
- Benchmark your system and define KPIs
- Easily find weak spots and optimization potentials at a single glance



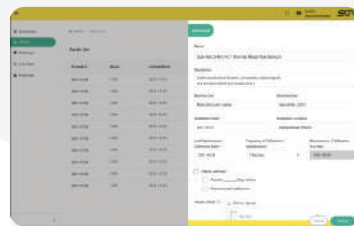
Live View of Process Data

- Real-time measurement data of multiple factories and locations
- Live view of all measurement channels
- Drag & drop marker to place measurement data
- Upload system / factory plan to place your measurement device
- Alarm indications and notifications



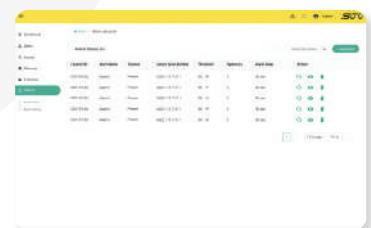
Location Management

- Logical and easy to understand complex structures of field devices
- Define factories, measurement locations and measuring Points
- Assign factories to different customers
- Convert Measurement units and set up virtual channels



Asset Management

- Track all components of the CAS in a single solution
- Create maintenance and calibration schedules and get notified in time
- Set up regular tasks on your CAS
- Track sensitive equipment by serial number & get notifications

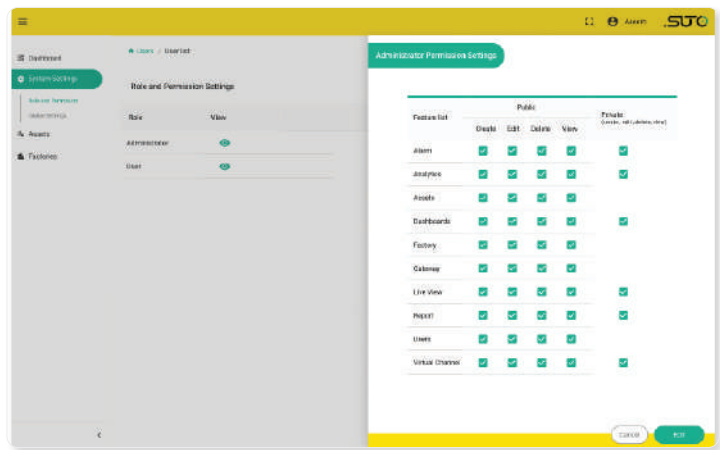


Alarm Management

- System wide alarm management with full alarm history
- Active alarms list with mute functions during maintenance or repairs
- Assign alarms to any channel within the system
- Multiple on-screen alarm notifications as well as email and push notifications on smartphones

Powerful User Access Right Management

- Easy to set up check-box based access-rights management
- Most flexible user rights: Read-only accounts, default user accounts, multiple administrators
- Access rights management for each module
- Create private dashboards, alarms, analytics to be seen only by the specific user
- Set up multiple accounts and distribute their access rights



Create Powerful Reports

- Create powerful reports with a single Click
- Regular reporting with suggestions
- Energy cost and consumption reports
- Get reports sent automatically daily, monthly, weekly, quarterly or annually by Email
- Customize report colors and logos
- No more manual reporting needed so user can focus on more important things
- Set up management users to receive automatic financial reporting



Why Data Is So Important?

Compressed air is one of the most expensive energy forms and widely used in almost any application and process. Almost 50 % of the compressed air and gases that is generated is not used efficiently.

Profound real-time system data will help to unleash optimization potentials:

- ✓ System Performance and Reliability
- ✓ Energy Efficiency and Cost Reduction
- ✓ Product Quality and Safety
- ✓ ISO Purity Requirements
- ✓ Carbon Footprint Reduction
- ✓ Less Maintenance and System Failures

Data Analysis



Data Logging

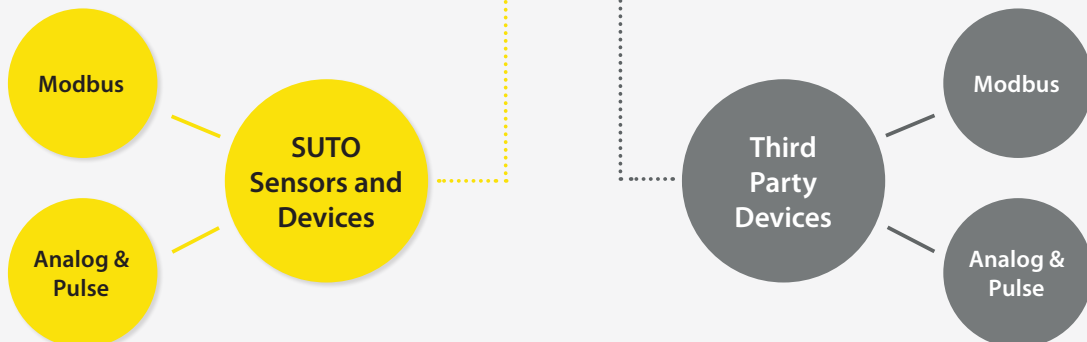


S331 Data Logger and Display

Plug & Play gateway and central interface between field devices and S4M SaaS monitoring solution.

Connect up to 16 Modbus/RTU sensors, 2 analog sensors and 2 SDI sensors to a single data logger

Field Devices



SUTO SDI and Modbus/RTU sensors as well as analogue sensors can be connected to the S4M SaaS within minutes. To properly connect the Modbus/RTU sensors to an RS 485 bus system, it's recommended to daisy-chain the sensors to one of the inputs. For this purpose, SUTO offers an RS 485 splitter to simplify the connection.

In this way, users can connect up to 16 sensors to the S331 master input. This makes it possible to monitor entire plants with the S4M SaaS using a single data logger.

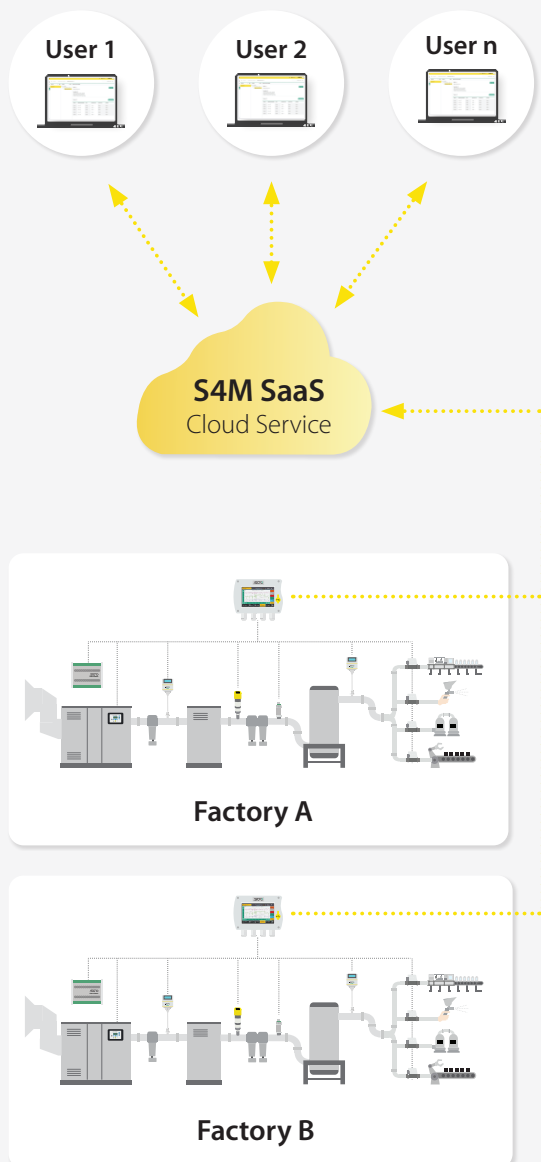
Using the industry standard Modbus/RTU protocol, third party sensors and devices can be easily integrated into the S4M SaaS via the S331 Data Logger Gateway. Field devices can be easily set up using the configuration software, allowing a third-party sensor to be added in seconds.

Of course, all connected sensor data can be logged in the internal memory and used for virtual channel calculations. At the same time, real-time values are sent to S4M SaaS and stored securely.



End User License

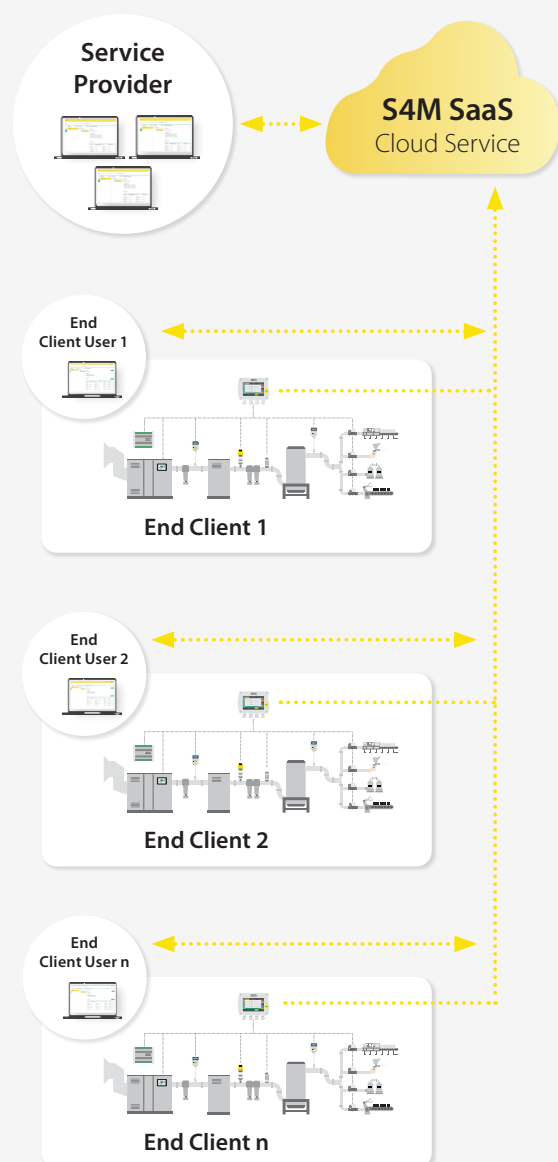
The end user licence is designed for compressed air system operators and facility management. This licence provides access to the company's compressed air system throughout the plant and across multiple sites. The system can be accessed by multiple users within the same organisation.













Service Provider License

The Service Provider licence is designed for compressed air service companies that offer their services to customers. Service companies are able to monitor their customers' compressed air systems anywhere in the world.

Each client is isolated and the service provider is able to give the end users access to their own system.



License Packs

	Trial	Starter	Essentials	Team	Enterprise
License Type	End User	End User	End User	Service Provider	Service Provider
User	1	1	5	10	100
Number of Channels	5	20	50	100	500
Add Additional Channels					
Add Additional Users					
License	Free (For 90 Days)	Annual Subscription	Annual Subscription	Annual Subscription	Annual Subscription

Contact Us

Please contact our sales to assist you finding the license type which suits your requirements.

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Explanations

User

A user is a login that has access to the system and its full functionality. User access rights can be controlled and set individually by the Administrator. One of the users is always the administrator with all access rights.

Channels

Each measurement is represented as a channel.

Example: 1 flow meter (flow and consumption = 2 channels) + 1 dew point meter (dew point, temperature and humidity = 3 channels) gives a total of 5 channels.

Virtual channels created are displayed as one channel and are part of the total number of channels available.