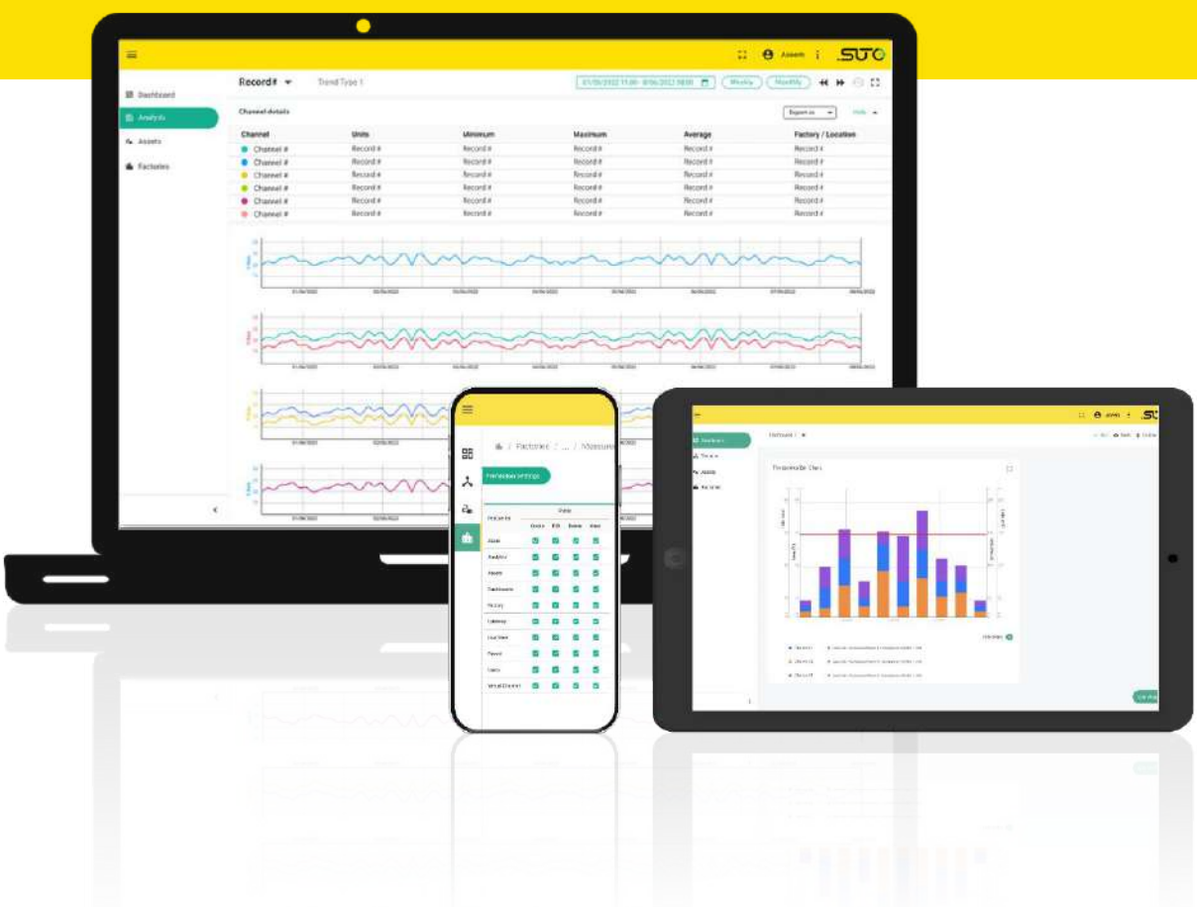
Be smart. **Measure it.**

S4M SaaS

Smart Compressed Air System Monitoring Software



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

- Ensuring system performance and reliability with remote monitoring and alarm management
- Energy saving and CO2 emission reduction by detecting system efficiency potentials
- Live monitoring of air production, usage and historical records for detailed system overview
- Minimization of initial CapEx by fast development and launch
- Easy to use plug & play solution for fast implementation of gateways and devices
- Auto-generate customized CAS reports for audits

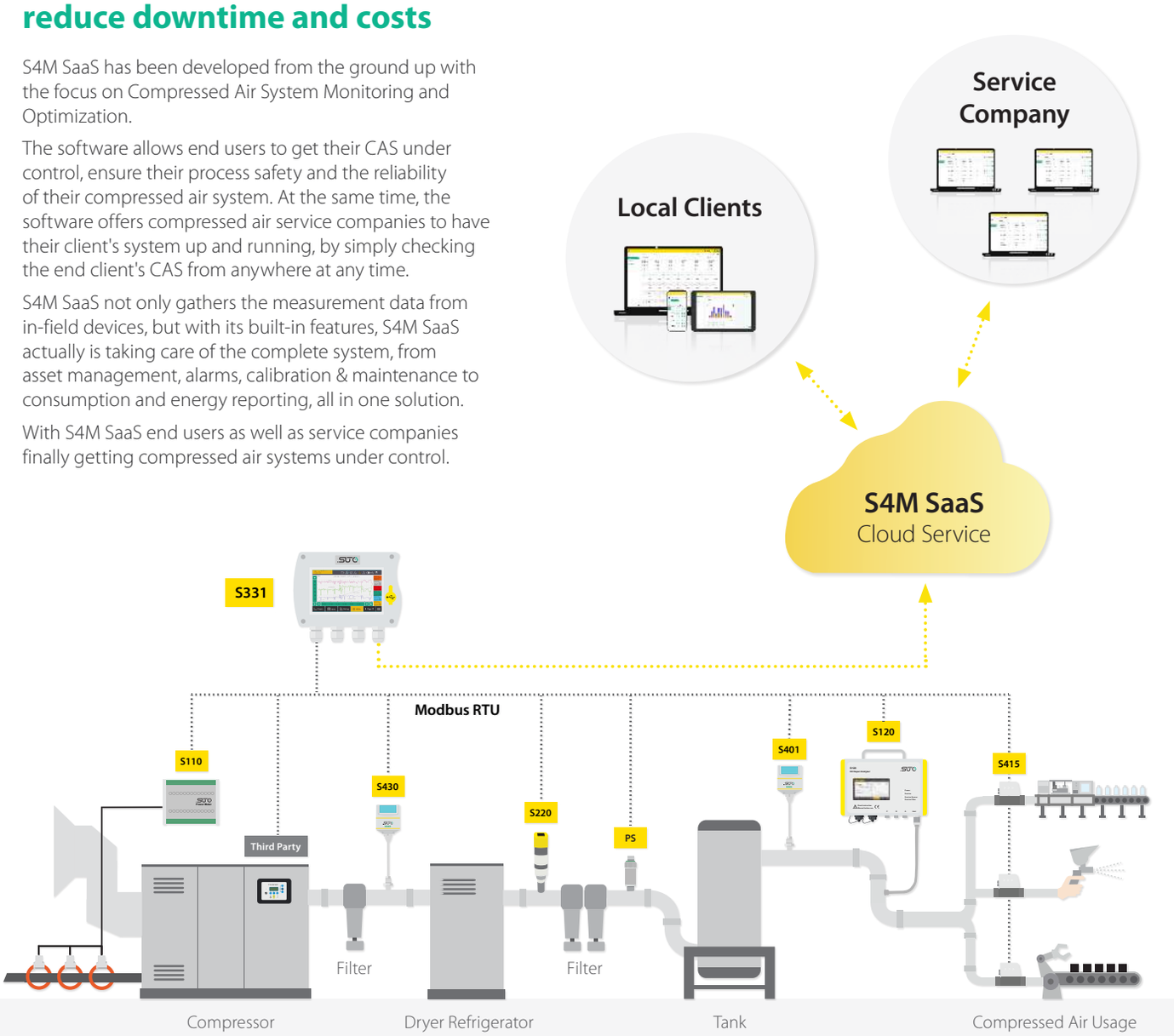
Manage and ensure your whole compressed air system — **reduce downtime and costs**

S4M SaaS has been developed from the ground up with the focus on Compressed Air System Monitoring and Optimization.

The software allows end users to get their CAS under control, ensure their process safety and the reliability of their compressed air system. At the same time, the software offers compressed air service companies to have their client's system up and running, by simply checking the end client's CAS from anywhere at any time.

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

With S4M SaaS end users as well as service companies finally getting compressed air systems under control.



Customizable Dashboard

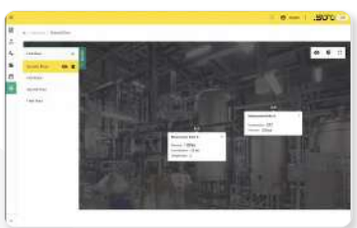
- Dashboard for system overview and monitoring
- Real-Time data and graphical analysis from the dashboard
- Dashboard fully customizable to users needs with dashboard widgets
- Quick analyzes directly from the dashboard
- Alarm and status indication

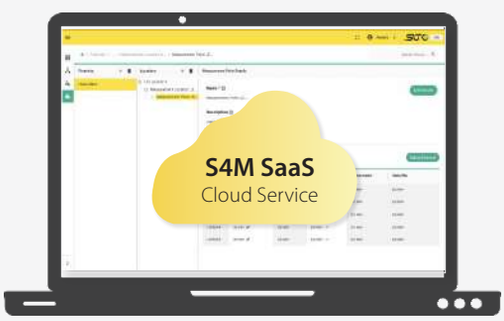
Powerful Data Analysis

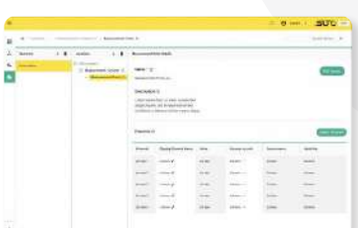
- Analyze all channels and parameters within a single module
- Compare historical data with actual data
- Benchmark your system and define KPIs
- Easily find weak spots and optimization potentials at a single glance

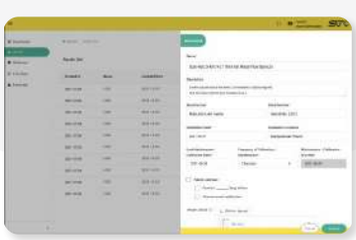
Live View of Process Data

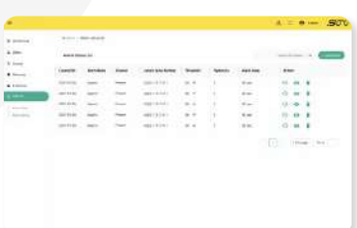
- Real-time measurement data of multiple factories and locations
- Live view of all measurement channels
- Drag & drop marker to place measurement data
- Upload system / factory plan to place your measurement device
- Alarm indications and notifications











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

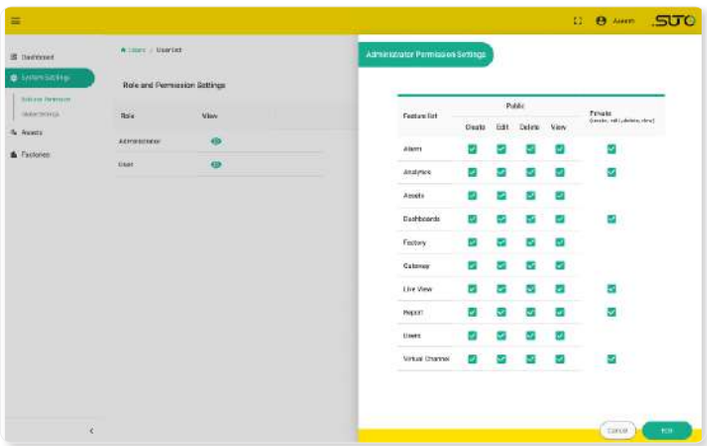
- Track all components of the CAS in a single solution
- Create maintenance and calibration schedules and get notified in time
- Set up regular tasks on your CAS
- Track sensitive equipment by serial number & get notifications

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 flexibel 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

Smart Compressed Air System Monitoring Software

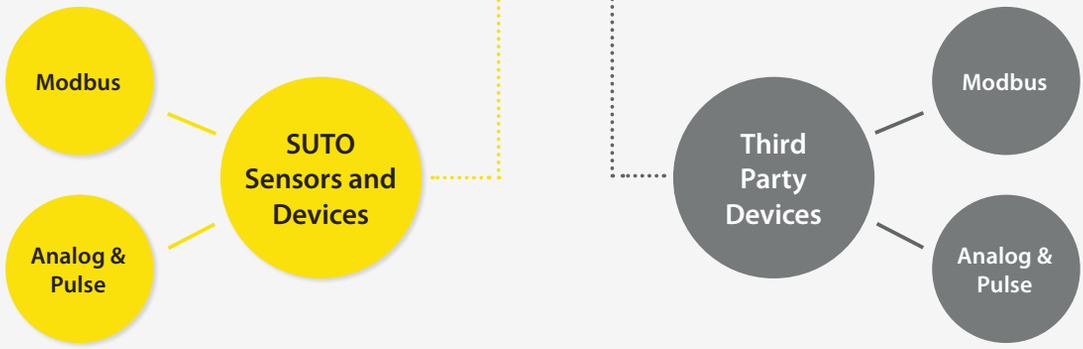
Data Logging

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

Through this method, users can add up to 16 sensors to the S331 master input. This allows to monitor whole plants with the S4M SasS using a single data logger.

By relying on the industry standard protocol Modbus/RTU, third-party sensors and device can be easily integrated into the S4M SaaS through the S331 Data Logger Gateway. Field devices can be easily set up using the configuration software, allowing to add a third-party sensor within seconds.

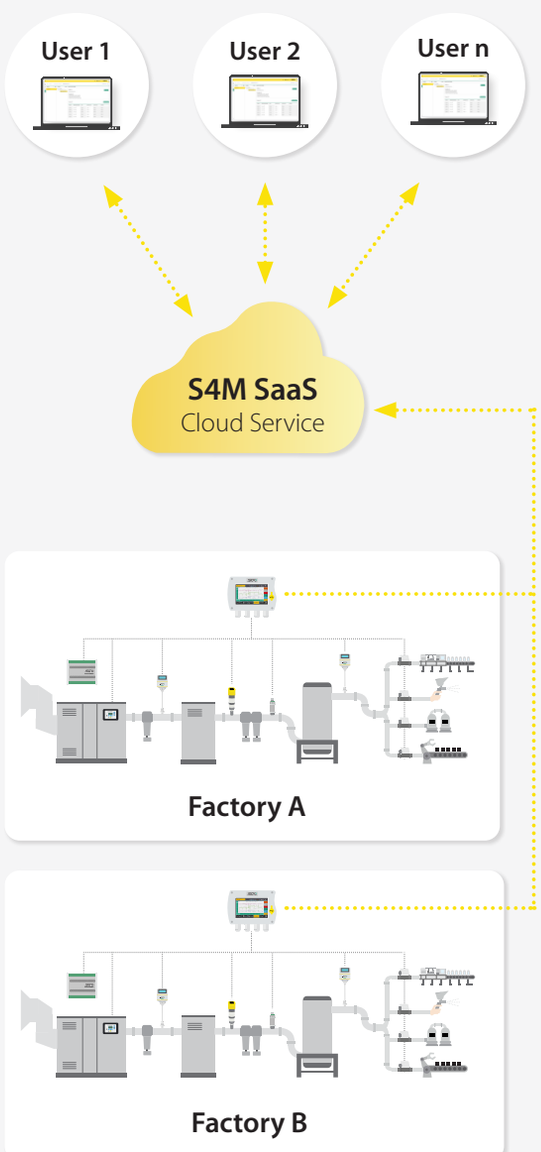
Of course, all connected sensor data can be logged to the internal memory, used for virtual channel calculations. At the same time, real-time values are sent to S4M SaaS and safely stored.

User and Access

End User License

The End User License is made for the Compressed Air System Operators and Facility Management.

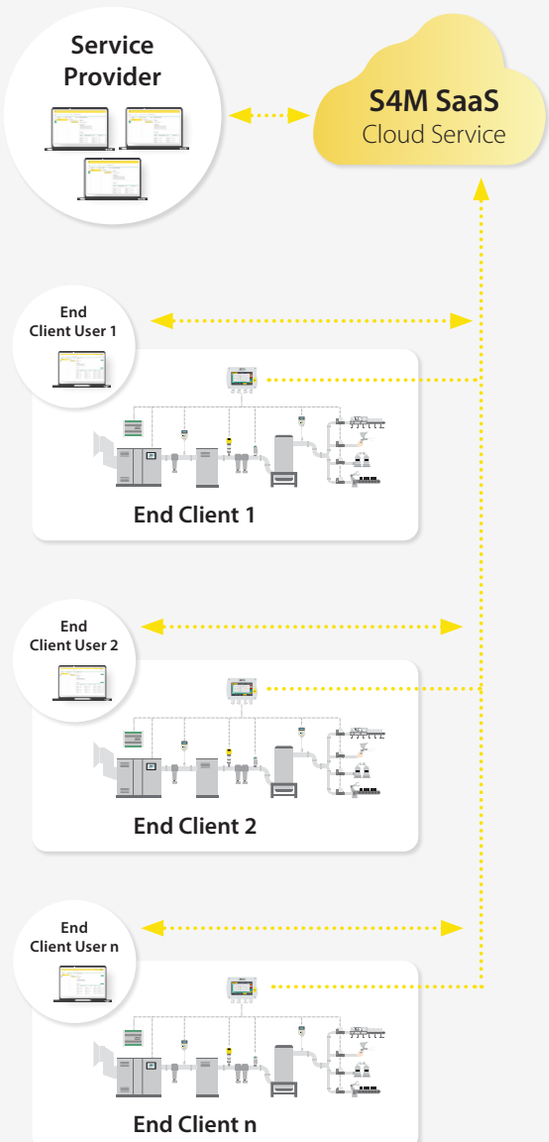
This License grants access to the own compressed air system throughout the whole factory and among multiple locations. The system can be accessed by multiple users within the same organization.



Service Provider License

The Service Provider License is made for Compressed Air Service Companies, which are offering their service for clients. Service Companies are enabled to monitor their clients compressed air systems, all over the world.

Each client is separated and the Service provider is enabled to grant the end clients 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.

EUROPE

+49 (0) 7634 50488-00

sales@suto-itec.com

CHINA

+86 (0) 755 8619 3164

sales.cn@suto-itec.com

ASIA/PACIFIC

+852 2328 9782

sales.asia@suto-itec.com

NORTH AMERICA

+1 (616) 800-7886

sales.us@suto-itec.com

Explanations

User

A user is a login who can access the system and full functionalities. User access rights can be controlled by the administrator and set individually.

One user is always the administrator with all access rights.

Channels

Each Measurement value 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) results in a total of 5 channels.

Created virtual channels are represented as a channel and part of the total channels available

www.suto-itec.com

Smart Compressed Air System Monitoring Software