

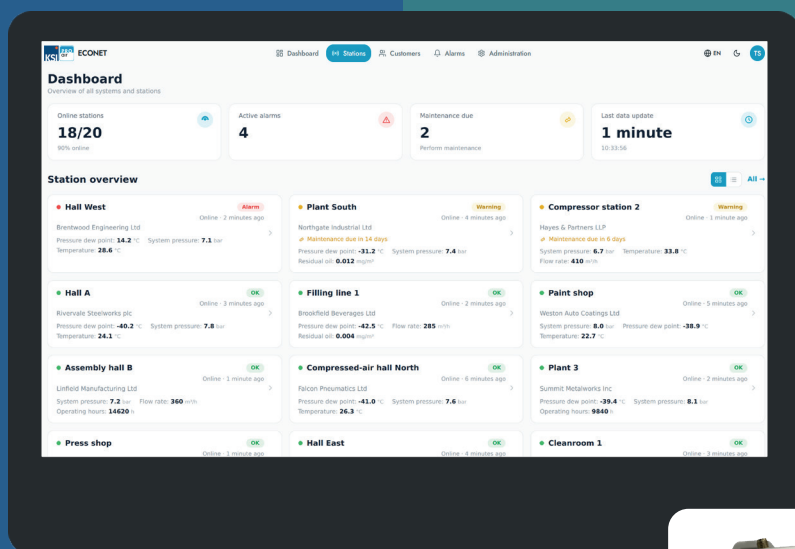
KSI|PROair ECOCONTROL

Online System Monitoring



Rev 06_0726

Solutions for monitoring compressed air installations



INDUSTRY
4.0



Your compressed air system - always in view

ECOCONTROL brings every compressed air station into the cloud: live readings, a complete history and email alerts — accessible from any internet-enabled device.

ECOCONTROL makes the operating status, readings and faults of your compressed air system visible online — for faster response, fewer unnecessary site visits and better-planned service calls.

With every **ECOMATIC4.0** COMFORT or PREMIUM upgrade, **TPK25** and **GT4.0** device you receive a free license at no charge.

Try the new **KSI|PROair ECOCONTROL** with a completely revised **ECONET** cloud app and effortless device and sensor settings in the redesigned configuration app (web server) on every device. For your one-time, no-obligation registration, simply send an email to econet@ksi.eu.

Identify potential risks at an early stage



Detect critical trends in real time – and take action before a warning turns into a fault.
Email notifications fully configurable.

Analyze / data logging



Unlimited data logging: store and export all readings permanently.
Visualize current and historical values at any time.

Plan = save site visits



Coordinate maintenance and service by time, operating hours or system condition.
Check status remotely — instead of unnecessary trips on site.

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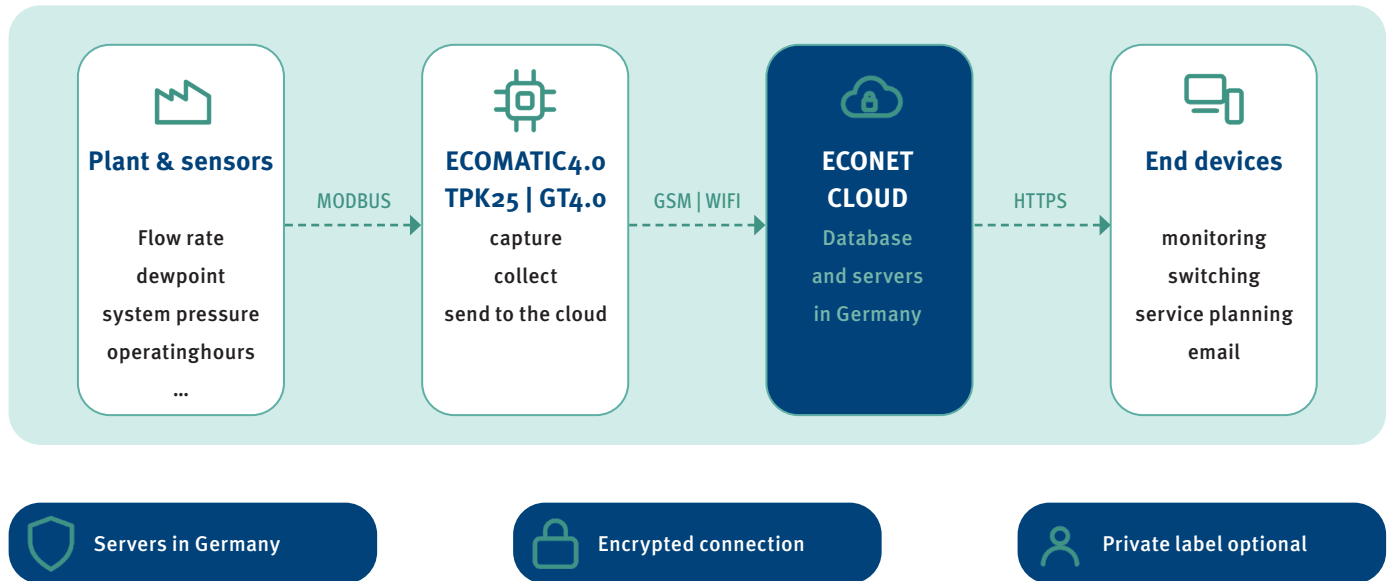
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FUNCTION PRINCIPLE

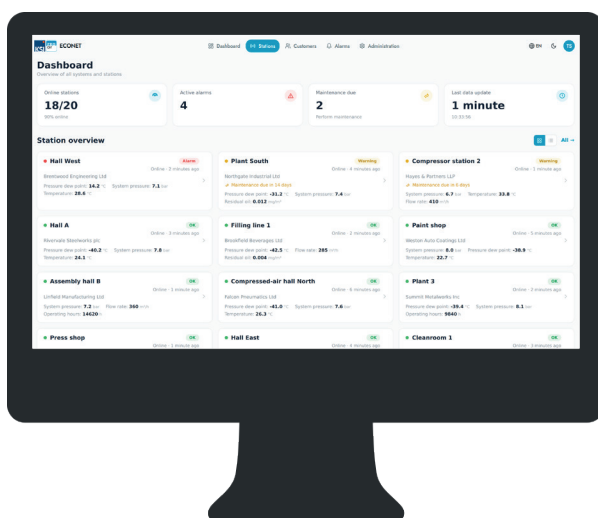
How KS|PROair ECOCONTROL works

From the system all the way to your smartphone — four stages, one continuously encrypted data path. All settings are stored locally on the device, so a connection drop stays uncritical.



ECONET WEB APP

From dashboard to analysis



1

Overview of stations

See status, warnings and faults centrally.

2

Analyze individual systems

Use readings, operating status, P&I diagrams and system images.

3

Evaluate history

View dew point, pressure, flow rate and more over time.

4

Plan service

Freely configure maintenance intervals and coordinate visits.

5

Receive notifications

Get warnings and faults by email.



Responsive web app

No installation on end devices required. Access from any internet-enabled device — from smartphone to desktop.

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KOMPONENTEN

KSI|PROair ECOCONTROL – Hardware

Modular system for every station — from a single device to targeted expansion. Data boxes and switch boxes connect via the system Modbus, up to 5 in series each



ECOMATIC4.0 CONTROLLER & GATEWAY

- sends data directly to the cloud
- 6 sensor inputs:
 - 4 × 4–20 mA (2 alt. 0–10 V),
 - 1 × PT1000, 1 × Modbus RTU
- GSM LTE (optional) & WiFi
- Usable as a gateway only with COMFORT or PREMIUM version



TPK25 PRESSURE DEW POINT METER & GATEWAY

- sends data directly to the cloud
- 2 sensor inputs:
 - 1 × 4–20 mA
 - 1 × Modbus RTU
- 4 relay outputs
- GSM LTE (optional) & WiFi



GT4.0 GATEWAY

- sends data directly to the cloud
- 1 input for sensors/data box:
 - 1 × Modbus RTU
- GSM LTE & WiFi



DATABOX S | L SENSOR EXPANSIONS

- Connects to all devices via system Modbus
- Sensor inputs:
 - 9 (L) / 3 (S) × 4 20 mA
 - 3 (L) / 1 (S) × PT1000
 - 7 (L) / 2 (S) × Modbus



SWITCHBOX RELAY SWITCHING BY CONDITION

- 5 × changeover contact (relay)
- Chained conditions possible



EC.GSM FOR ECOMATIC4.0 AND TPK25

- GSM module including IoT e-SIM card 10 years and 500 MB included

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GETTING STARTED

Which entry point fits your system?

1

Desiccant dryer

With ECOMATIC4.0 and COMFORT or PREMIUM upgrade

ECOMATIC4.0

Cloud connection possible without an additional gateway. The existing controller becomes the system base and sends via WiFi or GSM (optional).

2

Compressed air station without desiccant dryer

Dew point monitoring TPK25 already installed

TPK25

Online monitoring without a desiccant dryer. Ideal for retrofitting and where dew point monitoring is required in the station. Sends via Wi-Fi or GSM.

3

Compressed air station without desiccant dryer

GT4.0

Online monitoring without a desiccant dryer. Ideal for retrofitting. Sends via Wi-Fi or GSM.

4

Multiple sensors required

Analog and/or Modbus sensors to be integrated

DATABOX S|L

More inputs for readings and signals. Scalable to the size of the system.

5

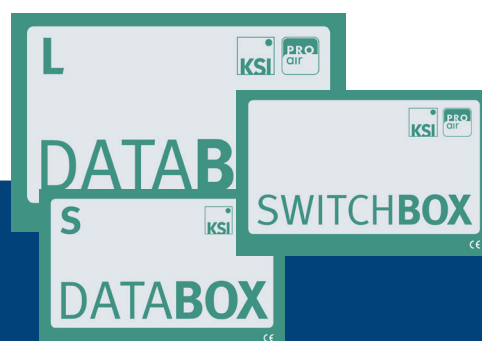
Automatic switching function

SWITCHBOX

Relay outputs for defined conditions. For example summer/winter changeover or alarm signals.

Optionally expandable

The setup stays flexible: ECOMATIC4.0, TPK25 or GT4.0 form the base. Additional sensors are integrated via data boxes; switching functions are handled by the switch box.



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ECONET IN PRACTICE

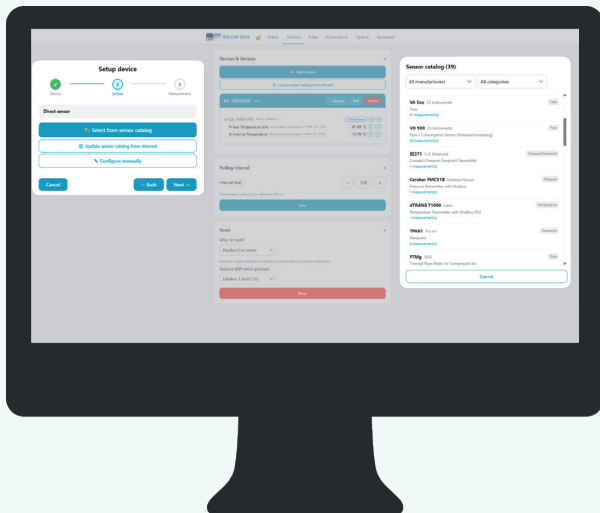
KSII^{PRO}air ECOCONTROL – SOFTWARE

ECOCONTROL runs on two coordinated software layers: the **web server** sets up the device on site, the **cloud app ECONET** consolidates all stations worldwide. Both run without installation on any internet enabled device.

1

Web server on the device

On-site setup and configuration



Settings directly on the device via browser



Configure basic functions, sensors, connections and more



Password-protected access on the local network



Extensive sensor and compressor catalog for easy setup of Modbus RTU signals

2

ECONET Cloud App

Monitoring, analysis, service planning



Worldwide overview of all stations



View sensor values, alarms and notices centrally



Define rules for email notifications



Attach P&ID and images



Unlimited data logging



Download sensor data



Route planning for service visits

FOR BOTH



No installation
ready to go



Any device
phone, tablet, PC



Security
password levels

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FEATURE SCOPE — ECONET CLOUD APP

Which license model fits your requirements?

The **ECONET Cloud App** is available in three license models. The **Free** version is free of charge — add any **ECOCONTROL** device by its serial number after a one-time registration. Upgrades to **ECONOMY** and **BUSINESS** can be booked online in the **ECONET cloud app** at any time.

Function	FREE	ECONOMY	BUSINESS
Live insight	+	+	+
Fault alerts by email	—	+	+
Dashboard across all stations	—	+	+
Service planning with integrated route planner	—	+	+
Calculate online readings (2 values)	+	+	+
Data logging (unlimited) & graphical visualization	—	—	+
Download as CSV file	—	—	+
Alarm rules using basic arithmetic	—	+	+
Maintenance intervals (time / operating hours)	—	+	+
4 values per system on the home dashboard	—	+	+
P&ID diagram and images for each system	—	—	+
Encrypted connection device ↔ server	+	+	+
Adjustable data refresh rate	+	+	+
Read access can be granted to end customers	—	+	+
Service due-date forecast from live data	—	+	+
End-customer billing management	—	+	+

Private label (surcharge, BUSINESS only)

Your own logo in the device configuration interface (web server) and in ECONET — plus your own colors for the web server and the online user interface



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