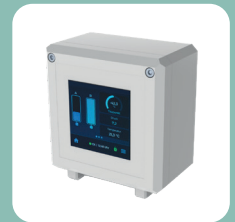
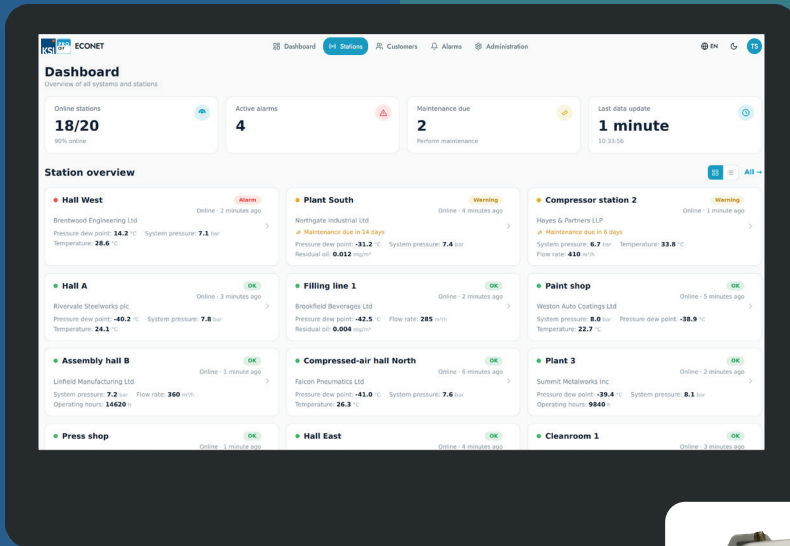


# KSI|PROair ECOCONTROL Online System Monitoring



Rev 06\_0726

## Solutions for monitoring compressed air installations



### 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](mailto: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.

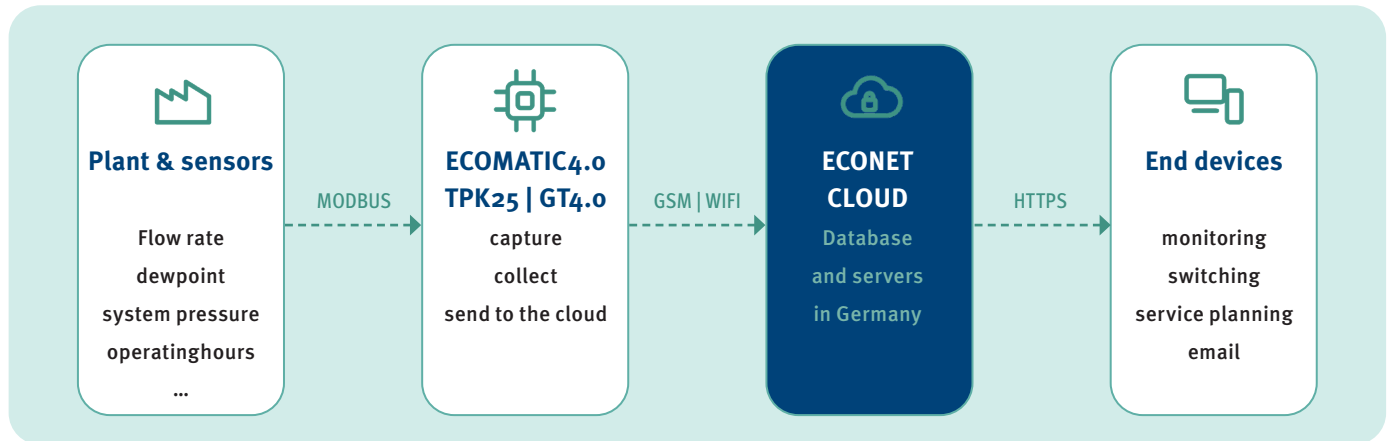
# KSI|PROair ECOCONTROL Online System Monitoring



## FUNCTION PRINCIPLE

### How KSI|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.



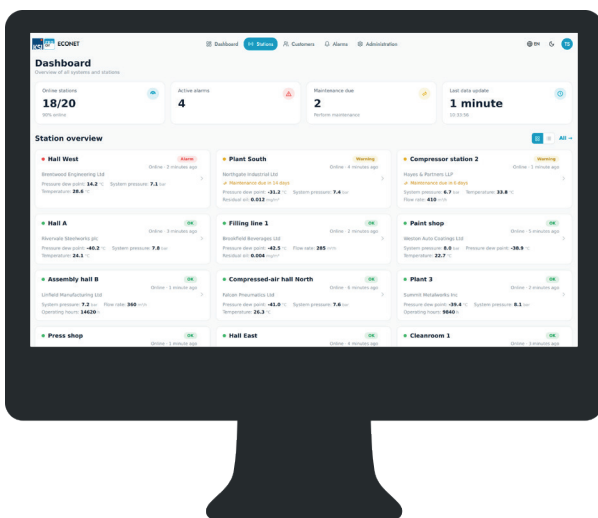
Servers in Germany

Encrypted connection

Private label optional

## 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.

# KSI|PROair ECOCONTROL

## Online System Monitoring



### 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

# KSI|PROair ECOCONTROL

## Online System Monitoring



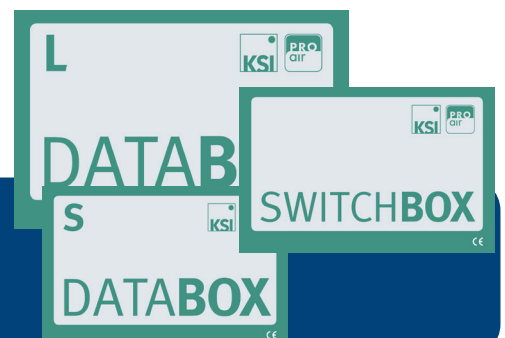
### GETTING STARTED

#### 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 SJL**  
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.



# KSI|PROair ECOCONTROL Online System Monitoring



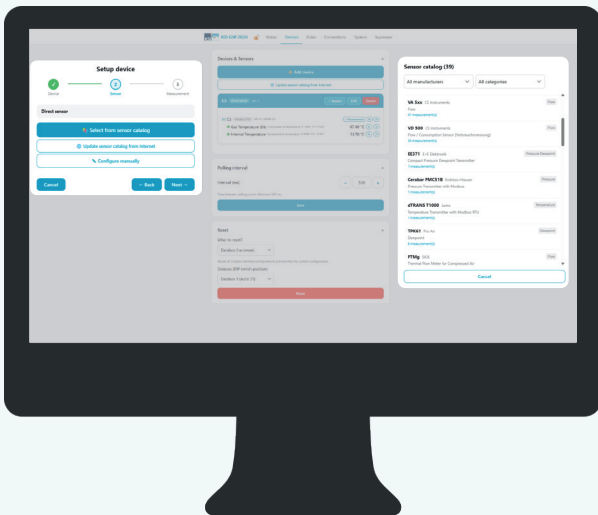
## ECONET IN PRACTICE

### KSI|PROair 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

# KSI|PROair ECOCONTROL

## Online System Monitoring



### 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



# KSI|PROair ECOCONTROL

## Online System Monitoring



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