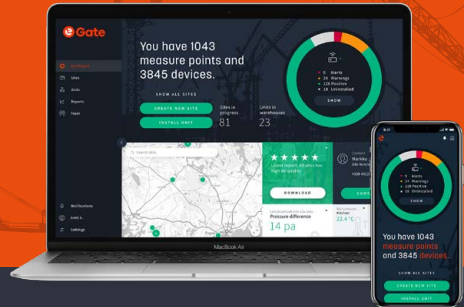


eGATE SMART BUILDING INNOVATION

eGate
Smart Building Innovation



eGate's real-time IoT sensor data enables maximizing the project profitability through better scheduling and helps monitoring job site environment for health and safety.

eGate Overview

eGate is a cloud-connected IoT solution for remote monitoring of construction job sites. It has the widest range of high-precision IoT sensors on the market. All sensors are connected directly to the eGate cloud data platform with visual floor plans and mobile access.

What eGate does at the job site:

- Concrete RH+ Temp measurement for flooring projects with industry leading 1% accuracy
- ASTM 2170 and RT 103333 (etc.) compliant concrete sensors for RH + Temp + Strength
- Concrete temperature measurement for calculating concrete strength using ASTM or Sadgrove conversion curves
- ePredict prediction algorithms for forecasting the drying time for concrete floor slab
- ePredict algorithms to monitor the concrete strength development
- Silica dust monitoring at the job site, with 8h average reporting vs. OSHA limits
- Air particle monitoring for both hazardous dust and normal construction dust for cleanliness, for managing the cleaning processes
- Monitoring ambient air for optimal conditions for RH+Temp, Differential Pressure, CO₂, TVOC,...
- Project reports in PDF and excel format, with time stamps and location data with visual floor plans
- Real-time cloud data, with online dashboard and access with all devices, mobile and desktop
- Live mobile alerts for values that exceed the set min/max thresholds

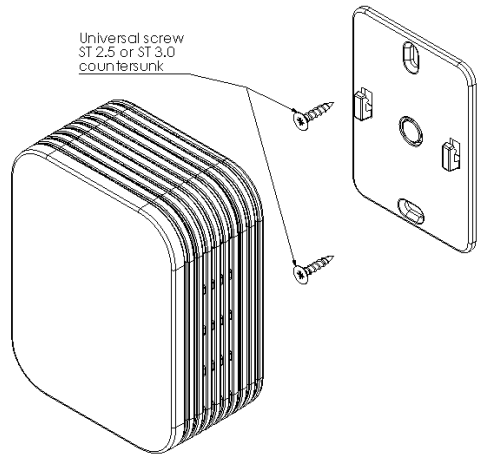
eGATE DUST40, DUST13, KOMBI-sky, KOMBI-LoRaWan, RHT-in and RHT-out

The eGate Kube and Kombi are an economical multi-sensor indoor air quality (IAQ) transmitter series. Depending on the variant, eGate Kube and Kombi can measure temperature, humidity, differential pressure, and particulate matter (PM).

Mounting, except for RHT-out

Select the installation location so that air can flow freely on all sides of the transmitter, representing the air that is to be measured. Avoid heat sources and direct sunlight. Mount the device to the measuring location with one of the following ways:

- Simply place the Kube or Kombi on any surface with the bottom facing down.
- First mount the separate wall holder with two universal countersunk screws (ST 2.5 or ST 3.0). Use applicable length and type of screws depending on wall material. In the correct orientation, the wall holder has its hooks pointing upwards. Attach the Kube or Kombi to the holder.



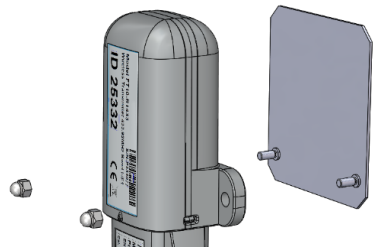
Mounting RHT-out

Select a good place for the transmitter, avoiding metal surfaces near the radio module.

Fasten the radio module to a surface either with a double-sided tape or with two screws 50 mm apart. The maximum diameter of the screws is 4,5 mm.

Alternatively, use a mounting plate available separately.

If not already, join the two modules.



Mounting KOMBI-sky and KOMBI LoRaWan

Mount as instructed above and then attach the pressure hoses to the two black hose connectors at the bottom of the device. The device measures the pressure difference between the two hose connector ports. Use only flexible plastic hose with inner diameter of 4 mm. When routing and installing the hose, make sure the hose does not get pinched or blocked. Always minimize the length of the pressure hoses. The maximum recommended pressure hose length is 1 m to attain the specified measuring accuracy.

The other hose connector port can and typically will be left without a hose connected to it.

Easy Installation:

1. Log in at: app.e-gate.io
2. Make sure the job site floor plan drawings have been uploaded to the eGate cloud.
3. Plan the location of measurement points.
4. Install the Sensors.
5. Start monitoring data & alerts.



[Watch video](#)

Ask your dealer for training on using the eGate system.

Contact information: www.e-gate.io/yhteys or www.e-gate.io/en/contact