



MONITORING

TEMPORARY MONITORING
SOLUTIONS

ISSUED
October 2024

DATA CENTRE TESTING... NO PROBLEM

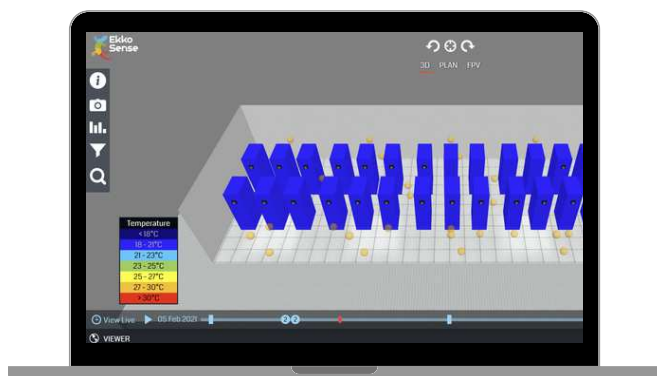
INTRODUCTION

During the commissioning and IST process of a Data Centre facility it is critical that the temperature and humidity is recorded to identify any issues. Using Ekkosense's software we can build a virtual Data Hall and configure temperature sensors to specific locations.

We've consolidated the components for an Ekkosense monitoring solution into a single 25U rack.

Each Rack includes:

- 100 x Thermal & Humidity Ekkosensors (We can add more for larger facilities).
- 1 x 4G Modem to transmit the data to the Ekkosense cloud portal.
- 1 x Ekkolink Local Data Storage (to consolidate data locally for automated upload to the cloud and to buffer data in the event of a network outage).
- 4 x EkkoHub Units (to increase coverage across larger Data Halls).



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EKKOSENSE PORTAL

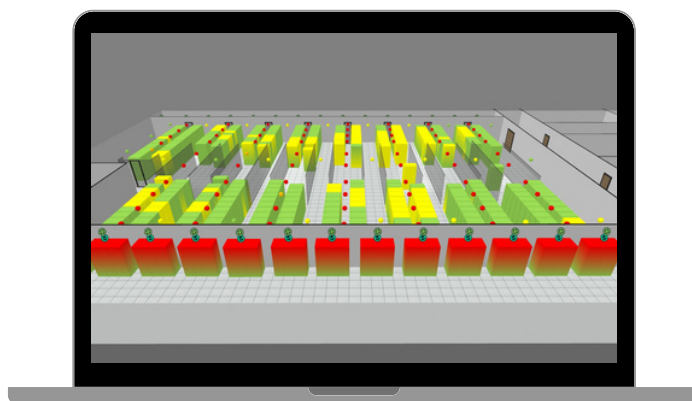
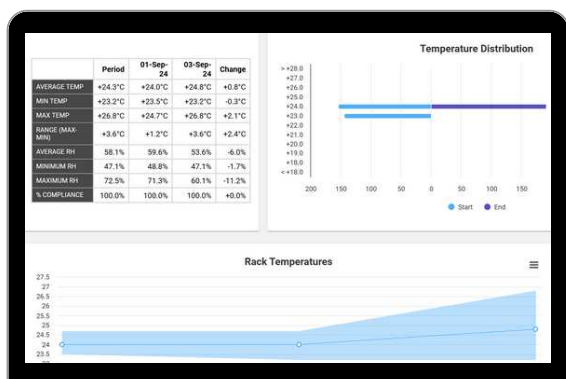
The Ekkosense software portal can be accessed anywhere in the world by laptop, PC, smart phone or tablet device. You can monitor your IST remotely and on multiple devices simultaneously.

Heatload will create a virtual live data hall that can be accessed 24/7 to monitor and gather results from your test with your own personal log in

Temperature alerts can be set up to email alerts when exceeding custom temperature ranges

Reports can be generated for custom periods at any point during the test, highlighting:

- Temperature distribution
- Temperature
- Humidity
- Cooling capacity and performance
- Cooling load



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EKKO TEMPERATURE AND HUMIDITY SENSORS

Ekkosense Temperature and Humidity Sensors-

Each Ekkosense system can manage up to 1000 sensors.

- Operating temperature range -10°C to 55°C (14°F to 131°F)
- Temperature accuracy (internal sensor) $\pm 0.3^{\circ}\text{C}$ typical ($\pm 0.5^{\circ}\text{F}$)
- Operating range (from EkkoHub) > 20m (21yds)
- Battery life > 5 years at 2 minute transmit interval (THX)



Ekkosense Air Cooling Duty Sensor

Ekkosense Air Wireless is housed in a standard DIN rail mount enclosure with two compact temperature and humidity sensors that connect via small cables.

Sensors can be fixed in position using screws or cable ties. The humidity-sensing element is protected with a PTFE membrane to avoid measurement errors caused by dust build-up.

Single or three phase fan current measurements are made using standard millivolt output current transformers. An opto-isolated 12V-24V AC input is provided. This can be used to monitor the operating status of the CRAC/AHU.



OUR SERVICES



PREPARATIONS

Prior to their dispatch all our equipment undergoes visual, PAT and/or phase testing. Typically it is only necessary to PAT test equipment every 6 months, however we test our equipment before every test to ensure that it is fully functional. Once tested the equipment is carefully packed and packed onto pallets or a dedicated vehicle.

DELIVERY/COLLECTION

Depending on the location of the project and the number of units required, our expert team will organise delivery through either one of our vehicles, pallet service or a dedicated vehicle.



INSTALLATION

Our professional team can install the equipment for you. The advantage of using our operatives is that they have installed thousands of heat load units over the years and can reduce the installation time considerably. All of our operatives carry CSCS cards, first aid trained and attend regular toolbox to ensure that they work in a safe manner.

ADDITIONAL OPTIONS

In order to provide the full package, we offer a number of additional products and services such as; temperature/humidity monitoring solutions, temporary correx blanking, temporary racks, a variety of distribution options and more.



OUR SERVICES

CONTACT US



GIVE US A CALL

You can contact us directly through our head office landline which is accessible 24 hours a day, 365 days a year.

+44(0)1243 575106

VISIT OUR WEBSITE

Search 'Heatload' into your search engine to discover information on our products and services in a greater depth. Once you have a rough idea of the package you are looking for take advantage of our simplistic quotation tool, which you'll find in our 'Get A Quote' page.



WWW.HEATLOAD.CO.UK



SEND US AN EMAIL

We understand that every project is unique and tailoring your perfect solution may take some information going back and fourth. Contact us directly via our enquires email.

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