

TEO Sense

A product of Third Eye Open Ltd, a Manchester digital product studio

Hardware-agnostic environmental sensing for workplaces and manufacturing sites. TEO Sense turns live site conditions into data teams can act on and show a client.

What it does

Connected devices measure air quality, CO2, temperature and humidity across a site. Readings are normalised in real time and presented through a digital twin, so the operating environment is visible as it changes rather than captured in a once-a-year snapshot.

How it is delivered

TEO works as a technology provider, delivering sensing as a managed deployment. Sensors, connectivity, data normalisation and visualisation are integrated into one working system on site. The platform is hardware-agnostic, so devices are chosen to suit the building rather than tied to a single manufacturer. Installation is designed to be simple: battery powered, no reliance on client wifi, no contractors on site.

Proven capability

- Quay Twin for Abu Dhabi Ports: a live operational digital twin delivered in eight weeks and presented to senior government stakeholders.
- University of Salford, MediaCity: a building digital twin displaying live IoT data including air quality, CO2 and occupancy.
- Reference environmental sensing deployments are in progress, with case studies to follow.

The challenge it addresses

Operations infrastructure. Air quality and environmental conditions affect compliance, wellbeing and productivity, but they are usually assessed by periodic visits rather than measured continuously. TEO Sense provides live evidence of site conditions, so risk is proven with data rather than inferred from a report written after a visit.

Sectors and delivery

Applicable across pharma, food and drink, chemical, construction and aerospace, and workplace settings generally. Delivered nationally across the UK.