

# CASE STUDY: ATOS SENSOR TECHNOLOGY



## About

Continuous improvement and innovation are at the forefront of our business and in 2018 we rolled out sensor technology nationally across 28 Atos core locations. This sensor technology has enabled the Atos business to mould their estates strategy. This includes acquisition accommodation, consolidations, relocations, and property disposals.

The UK National peak workspace utilisation has been identified at 74% occupancy with lower average occupancy levels across the estate providing optimisation saving opportunities. One-time sensor-based occupancy audits can provide 15-20% improvements in utilisation through reconfiguration and agile working which can deliver significant capital, lease, rent and energy savings. Additionally, ongoing space monitoring can add an extra 10-15% improvement year-on-year.

## Benefits

Benefits to employees include the monitoring of:

- Agile space hot desking availability
- Building and individual desk Temperature recording
- Humidity reporting
- Noise levels
- Air quality

**These all support the modern 'healthy building – healthy worker' objective. Improved air quality is also linked to higher staff productivity.**

The model ISS implemented at Atos is connected device technology – providing enhanced BMS monitoring. This delivers real-time data feeds that can be viewed via a dashboard.

We can measure whether meeting rooms, hot-desks or other spaces within a building are occupied, providing notifications to building managers to maximise utilisation whilst recording the environmental conditions of the space.

We use this data to effectively manage the space and real-estate of the building. This in turn empowers the people within the building to work in an environment that suits them – meaning an engaged workforce and maximising productivity.



# CASE STUDY: ATOS SENSOR TECHNOLOGY



## What does this mean to Atos?

Sensor Technology analysis provided the business cases for property consolidations in London and Durham with further floor consolidations in Wolverhampton and Runcorn resulting in a footprint reduction of over 3,600m2 providing capital investment return within year 1.

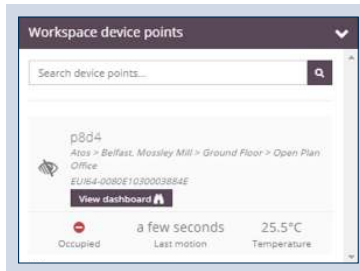
Sensor temperature analysis has also provided intelligent solutions to building environments.

## The techy bit!

The sensors are fixed to the underside of desks and communicate wirelessly using a sensor-specific network. This enables:

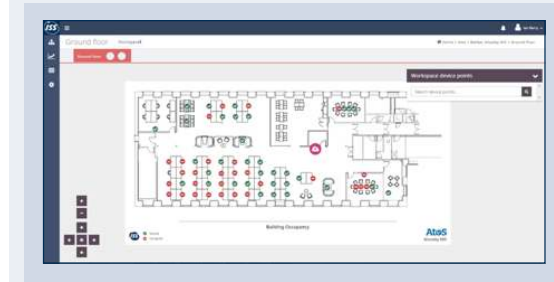
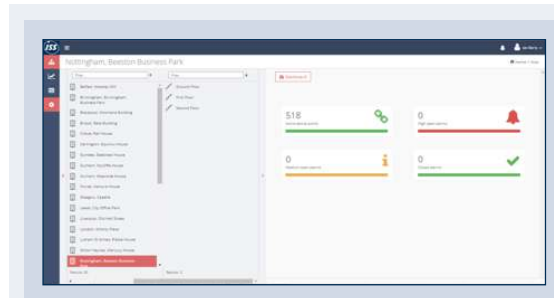
- Daily checks through either in building live view screen displays or Devicepoint web platform to determine usable space and sensor functionality
- Real time interrogation of platform and gateway data

We carry out regular site inspections determining optimum operation of the sensors



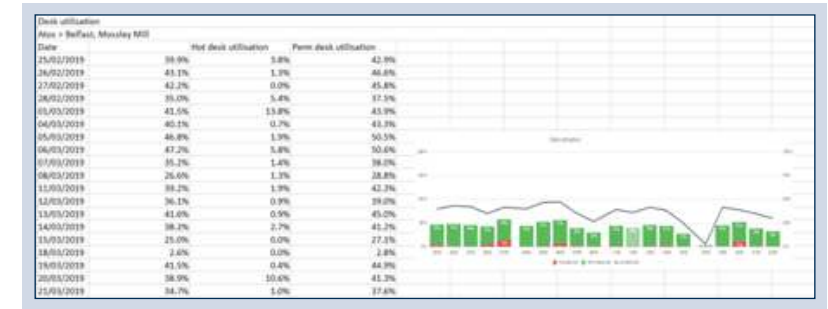
## Real-time dashboards

Devicepoint displays a live data screen in reception areas of the core sites within the portfolio:



## Historical trend analytics

We analyse the data to build evidence-based conclusions on how different areas on the floor are performing. We can then use this data to make decisions on changes to the floor layout, and influence decisions on future layouts across the buildings.



## CSR Benefit

Intelligent use of the occupancy data has provided the opportunity to optimise site waste production by headcount driving significant efficiencies and supporting Atos corporate social responsibility policy



# CASE STUDY: ATOS SENSOR TECHNOLOGY



## Reporting

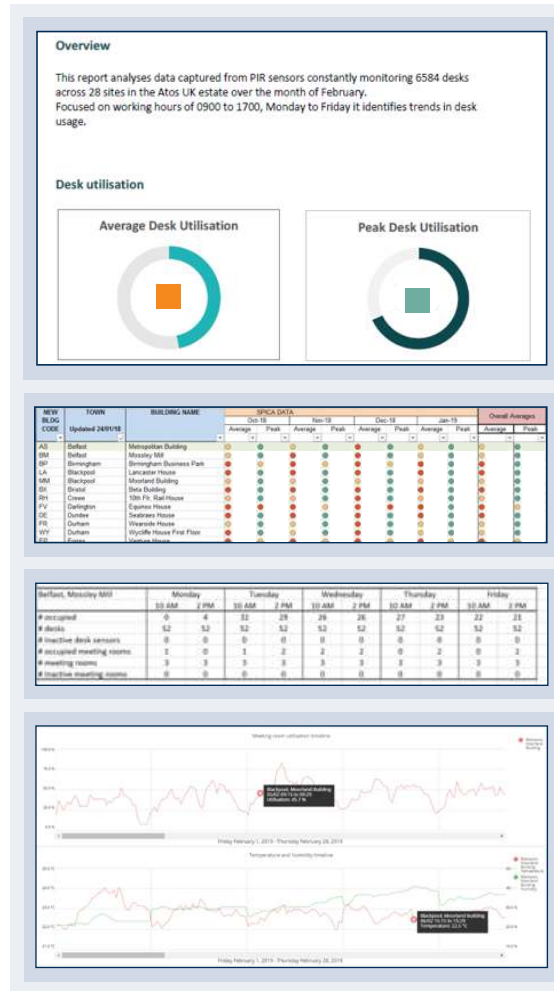
Monthly reports are produced via 2 formats

1. The first report is a high-level overview report in PDF as per below (Insight) example, this gives a very quick review of how each site is performing on the past month. This data is fed into Excel and allows us to review past trends of sites. Amber

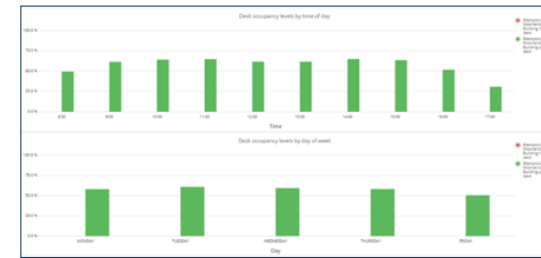
If we are looking at extending leases, serving break notices or if a lease is coming to an end. We can drill into the individual site via Devicepoint and interrogate the data further to enable the best decisions to be made.

2. The second monthly report is a week's data capture of all sites in excel. Below shows an extract of just one site:

A monthly site by site temperature report is produced to show average temperatures and humidity. This report is analysed by the Technical teams to identify trends and verify average operating temperatures. Proactively preventing service breakdown and reducing costs and downtime. Any temperature readings outside normal parameters are investigated using individual desk sensor temperature readings to determine hot or cold zones.



3. An agreed location is identified each month for a 'spot light site' review where we drill into the data of meeting rooms occupancy and temperature and generate reports highlighting usage rates and temperate analysis by floor/wing and desk. These locations are reviewed with the client to deliver optimum building performance.



### A perspective from the client:

*The addition of Sensor Technology to our FM Digital portfolio underpins our Real Estate strategy and decision making, the clarity of in office display screens and ability to quickly analyse occupancy trends enables clear and precise data supporting business case decisions relating to Real Estate disposals, consolidations and acquisitions as well as giving staff the opportunity to occupy a suitable location within the office to suit their personal environmental preferences.*

*The collaborative approach between all parties in the proposal, implementation and agreed fully managed service has delivered a great scalable solution.*

Mike Shanahan Atos FM Director

### A view from the manufacturer.

*As the preferred Digital Workplace partner for ISS UK, Spica were delighted that our space optimisation solution was selected by Atos for use across its entire portfolio of 30 UK office buildings. The combination of Spica IoT technology, coupled with ISS service delivery excellence is a compelling proposition, and we are proud of the impressive business value achieved for Atos to date.*

Tim Streater – Spica Technologies CEO

