

Smart sensors provide continuous visibility
over your assets, spaces, buildings and utilities,
lowering your costs—and your risks.

SMART SENSOR SOLUTIONS

 **SPOTLESS**
Integrated Facilities Services



Spotless' smart sensor solution is re-imagining the future of service delivery for your building. Our smart sensor solution is like a 'Fitbit' for your assets — a smarter, cost-effective and quick to install way to monitor assets that optimises their performance and minimises downtime.

Remote sensors eliminate expensive capital expenditure, complex installations and the requirement for expensive telecommunications setup and administration.

Spotless' smart sensor solution — a cost-effective way to monitor asset health and utilities usage and enhance the experience of your facilities.

ASSET MONITORING AS-A-SERVICE: TURNKEY, OUT OF THE BOX, RETROFIT BUILDING MONITORING SOLUTION.

Monitor — analyse — respond

Spotless' remote sensor solution offers:

- Extremely fast installation — Field Staff commission sensors in minutes, testing is automated
- Wireless
- Access to our cloud-based dashboard that allows you to configure custom alerts and thresholds for monitoring
- All data from sensors is encrypted and securely routed via a private mobile virtual network to the Spotless cloud-based dashboard
- No data on your IT network, no Wifi passwords or firewalls, no way to hack
- Our IoT devices are designed for low cost, retrofit solutions in remote locations with automatic setup. We bring our own network which can work in 95% of populated locations globally, indoor or outdoor.
- Retrofits in scenarios you thought were too expensive are now possible, such as heritage buildings, branch outlets, sheds and warehouses, and remote facilities and equipment

OUR CLIENTS BENEFIT FROM

Improved breakdown response times

Connect the critical system directly with the person who can fix it removing detection and job processing delays. Systems can be repaired before they have a financial business impact.

Removing repetitive maintenance tasks

Use sensors to monitor for equipment failure and to collect key data. Reduce the overall frequency of maintenance but rapidly respond to sensor alerts if equipment fails between visits.

Identifying abnormal usage and activities

Use sensors to monitor activity or usage, collate and compare key data across multiple locations to highlight anomalies. Target these locations for investigation and rectify system or behavioural issues.

As Australia and New Zealand's leading provider of integrated facilities services, Spotless has the breadth of experience to tailor a cost-effective solution to meet your specific requirements.

PROVEN PERFORMANCE

OPTIMISING CUSTOMER COMFORT IN COMMON AREAS

Most common rooms are dominated by large glass facades that are a focal design point. During the summer months, the heat penetrates the glass facade dramatically increasing the ambient temperature.

Temperature sensors placed in key areas of a showroom monitor the exact temperature of the space and facilitate timely adjustments of the HVAC system to ensure optimal comfort. Temperature sensors can also be installed on the HVAC systems to monitor outgoing and incoming air temperature to provide immediate results.

Within a few hours of installation, data from the sensors can reveal whether the air conditioning units are working as intended or if they need to be fixed or replaced. This can facilitate long-term saving opportunities for clients (reduced energy and maintenance costs) and directly improve comfort in customer areas.

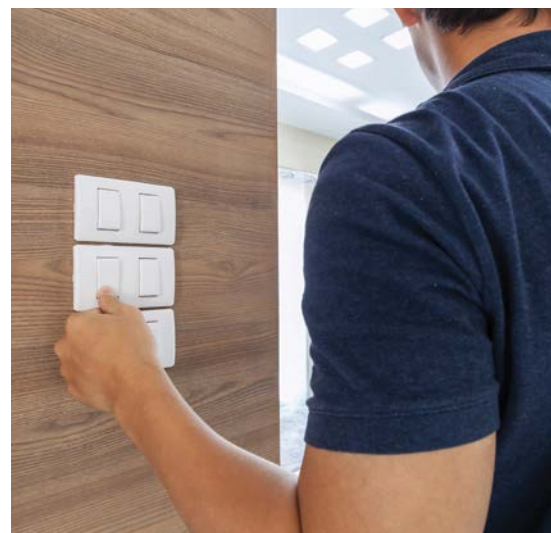
ASSET HEALTH MONITORING

IoT Smart Sensors redefine traditional building management and asset maintenance. Our smart sensors can prevent critical system breakdowns, reduce onsite engineering staff and optimise building system performance. Let your assets tell you when they need attention, reducing the need for onsite, manual inspections. Motors, pumps, chillers and boilers are susceptible to intermittent failure with incidents occurring more frequently the older the asset is. The time it takes to detect failure and dispatch a specialist can be hours and downtime on critical assets can have severe consequences. By using smart sensors, conditions are monitored 24/7 and early warning signs of deterioration are automatically detected.

UTILITIES USAGE MONITORING

Energy consumption typically makes up around 50% of the operation cost of a building. Our smart sensors can measure energy consumption at an individual circuit level to enable you to isolate where wastage is occurring. This information can be used to measure and verify whether energy saving projects have been successful in delivering energy reductions.

In addition, the smart sensor solution can capture accurate water consumption data across your properties to identify high water use areas, trends, water consumption spikes and maintenance needs. This data can be used to develop a water use reduction program to prioritise water conservation. The sensors monitor water usage in real-time providing insight into unreported leaks, faults or over-usage.



OUR RANGE OF SENSORS MEASURE:



TEMPERATURE



MOISTURE



EQUIPMENT
ACTIVITY ON/OFF



METER COUNT



MOTION



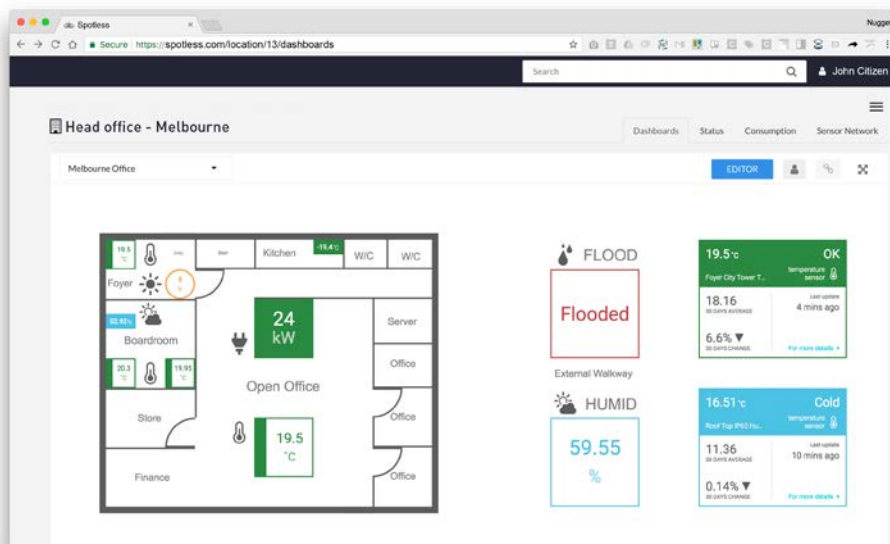
FLOOD



VIBRATION



LUX



SPOTLESS Integrated Facilities Services

Spotless is a leading provider of integrated facilities services in Australia and New Zealand. Spotless' 36,000 people deliver millions of service hours a year across more than 100 services that are essential to our customers. Our clients are from a diverse range of industry sectors including business and industry; defence; education; government; healthcare; aged care; leisure, sports and entertainment; airports and resources. Apart from Spotless, we are known as AE Smith, Alliance, Asset Services, Ensign, EPICURE, Clean Event, Clean Domain, Mustard, Nuvo, Skilltech, Taylors, TGS, UAM and UASG. Spotless has a revenue close to \$3.2B in the period ending 30 June 2016. Spotless is publicly listed on the Australian Stock Exchange (ASX: SPO) and headquartered in Melbourne.

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