

# Sensor 360 Real Time Monitoring case study Central London

## CASE STUDY - COMMERCIAL BUILDINGS



### Customer and Project Profile

**Enduser:** Commercial building in Central London with 6 AHU's plus car park monitoring  
**Customer Industry:** Commercial Buildings

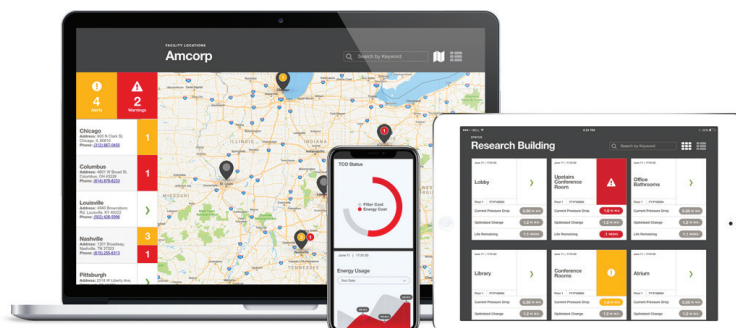
### Initial Situation

- Current IAQ (indoor air quality) levels / risks unknown
- Asset management based on standard PPM not real data.
- HVAC system lowest total cost of ownership unknown.

New ISO16890 test standard released 01/06/18 focuses on IAQ improvements in conjunction with WHO (World Health Organisation).

People spend on average 90% of their lives indoors, therefore IAQ plays a significant role in our general well being. Research has proven poor IAQ results in short to long term health issues.

Optimising HVAC asset management (energy, waste etc)



Bringing clean air to life.

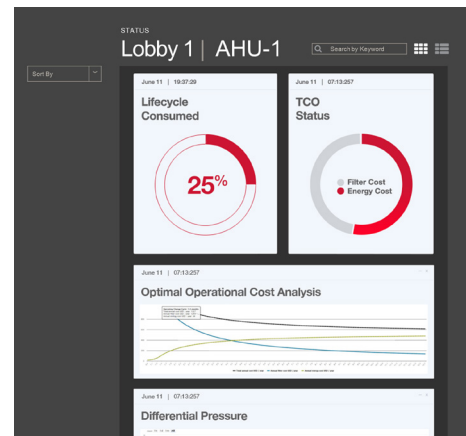
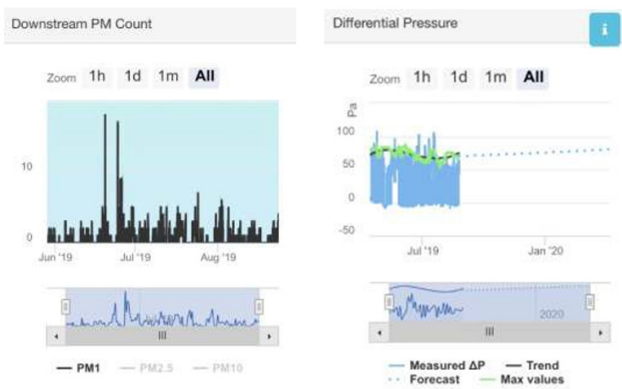
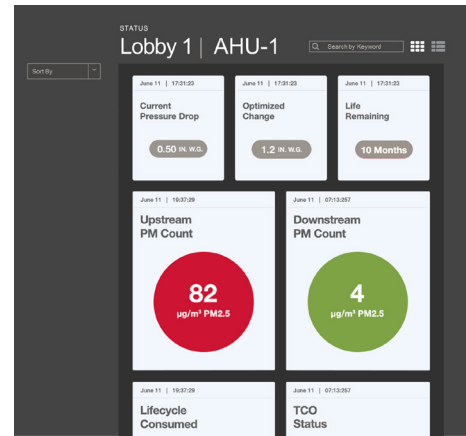
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## AAF Solution

AAF ISO 16890 fully compliant filtration solutions, operating in conjunction with AAF unique Sensor 360 real time monitoring system.

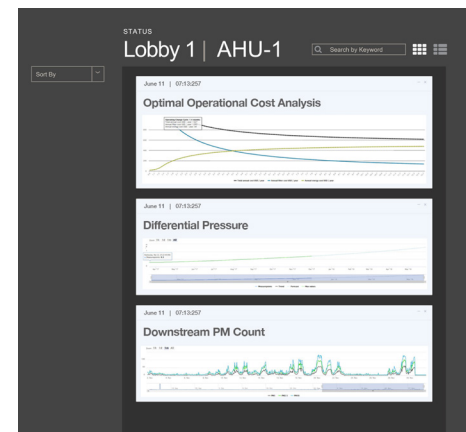
Sensor 360 monitors – differential pressure / optimum filter change out point / air quality levels (PM10, PM2.5 and PM1). Alarm functions can alert client to potential issues before major break downs occur saving money.

Sensor 360 – always on monitoring system achieving client IAQ asset management requirements.



## Outlook

- Ensures IAQ compliance
- Efficiency improvements Energy reduced by upto 11%, Waste by upto 58%
- 12month ROI: reduced filter change outs 6 monthly to potentially annually
- Identifies asset management requirements
- Improvement in base line building IAQ
- Instant ROI and asset damage prevention
- Additional AAF technology available to improve HVAC system further (energy)



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