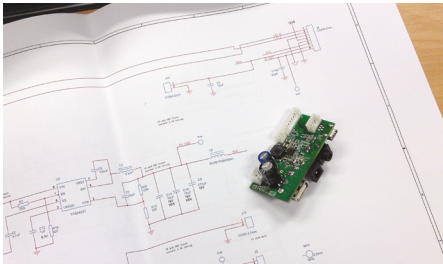


# Case Study: Smart Building Sensor

## Project Summary

Trends in building sensors have shifted from analogue signalling to digital interfaces, enabling improved functionality and reduced wiring complexity. Our client, an established manufacturer of analogue building sensors, needed to modernise its product offering without sacrificing brand identity. Having previously relied on rebranded third-party digital products, they partnered with us to develop a set of electronics that would compete with market leaders in terms of functionality.



## Project Outcome

We engineered a new solution that integrated the required digital communication capabilities while maintaining compatibility with the client's existing enclosures, preserving their well-known product aesthetics and avoiding the costs of plastic retooling. This new design also supports a wide range of sensor configurations, enabling tailored solutions without the need for new PCB designs for each application. With over 10,000 units already deployed, the sensors have been extremely reliable.

## Engineering Capabilities

- Environmental sensors
- PCB development
- Low power circuit design
- Firmware development

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