

INNOVATION GATEWAY

Round 2 2017 Challenge Brief

Facilities Maintenance



Challenge Brief:

Automate maintenance of facilities

The challenge

The Innovation Gateway partners currently carry out routine maintenance activities and safety inspections across large building portfolios. These are generally performed by a technician or an engineer. This entails un-necessary expense and travel, performing potentially high-risk tasks, and possible disruption to building users.

The solutions we are seeking

Innovative solutions that automate maintenance operations so as to minimise on-site presence and monthly visits that ensure the safety, efficiency, and optimisation of buildings (including heating, cooling, lighting, or other equipment). Examples of periodic maintenance tasks include emergency lighting tests and testing for legionella safety compliance.

Selection criteria

- Ability to measure water temperature & report against HSG274pt2 recommended code of practise (RCoP) for monitoring buildings' water distribution within domestic & commercial buildings.
- Automation of system flushing to guard against formation of legionella in stagnant water.
- Retrofit solutions to test emergency lighting remotely and provide a full report on functionality both for flick test & discharge testing without the need to run new wires.
- Automation of safety checks for High voltage risers/distribution boards.
- Any other significant opportunity to reduce periodic facilities maintenance tasks.
- Ability to generate test reports & storing in a secure server environment.