

Benefits of a Smart Building

Whether designing, constructing, retrofitting or operating, a smart building is beneficial for the owner, the organisation/ occupier and the people/staff who work within it.

These benefits range from:

- reduced running costs
- improved building operations
- Reduced environmental impact
- reduced carbon footprint
- increased staff health and wellbeing

A smart building links with and supports wider sustainability initiatives such as the drive to achieve carbon net zero:

<https://www.crowncommercial.gov.uk/news/ccs-a-helping-hand-towards-carbon-net-zero-within-energy>

Information and Security Guidance

These solutions are not without risks which must be mitigated by a Smart customer. Smart information can be vulnerable and exploited for espionage, financial or political gain by malicious threat actors: nation states, cyber criminals, hackers, insiders or terrorists.

CCS is committed to helping ensure that you can safely invest in and procure Smart technologies in a safe way.

CCS advises you to use the guidance available at the [NCSC website](#) to support your decision-making, and manage the risks around the cyber security of the services you are purchasing. In addition, if you have any specific smart procurement queries, you can contact Andrea Fitzgerald (andrea.fitzgerald@crownccommercial.gov.uk) at CCS who can provide bespoke advice and guide you to cyber secure commercial solutions.

Examples of Smart Buildings in Action

In the Post-Covid world, Internet of Things sensors can be used to measure air circulation and inform building managers where better circulation is needed to protect staff (read more [here](#)). Lot sensors are available on the Spark DPS (RM6094), or through the FM Frameworks.

A Derbyshire Care Home has used Circadian lighting - lighting which reacts to daily cycles such as day and night, and found benefits to resident's outcomes, such as mood, sleep and concentration (read more [here](#)). Smart lighting can be sourced using the CCS construction frameworks.

Further Information

Further information on what Smart Solutions from CCS are available from the Smart website hub [here](#). In this hub customers can find information relating to all types of Smart Solutions available, further links to the CPNI and NCSC websites for guidance on security, and a link to contact CCS for further information.



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CCS Smart Building Services

Smart Solutions with Transport focus are available on the following Frameworks and DPSs:

Construction:

[RM6014](#) - Modular Building Solutions

[RM6088](#) - Construction works and associated services

[RM3741](#) - Project management and full design team services (PMFDSTS)

Workplace:

[RM6089](#) - Security Services

[RM6073](#) - Government hubs fit out framework

[RM3816](#) and [RM6168](#) - Estates professional services

[RM3830](#) - FM marketplace

Energy:

[RM6011](#) - Supply of Energy

[RM3824](#) - Helga

[RM3790](#) - Water

[RM3801](#) - National Fuels

Technology:

[RM6094](#) - Spark DPS

Contact us

For more information get in touch
and see how we can help:

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