



NET ZERO



SUSTAINABLE PLACES

INCLUSIVE GROWTH

Public asset condition and performance is improved



Delivering smart schools to support public sector spending



THE WAY our schools are designed, built and managed is undergoing radical change thanks to the use of ground-breaking digital technologies.

Scotland's schools provide a crucial environment for over one million young people and supports our

communities, public services, wellbeing and economic growth.

Importantly, how well schools perform brings much wider benefits to our society by being able to reduce the carbon they generate. However, the Royal Institute of British Architects (RIBA) estimates that only 5% of our

schools operate efficiently as they were intended. Therefore effective performance management of school buildings will be key to deliver against the challenges of a sustainable and inclusive net zero economy.

Never before has technology offered such opportunity to address these

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Guide to Smart Infrastructure for the Learning Estate

challenges. The growth of new solutions and approaches to connect our buildings to digital models and analytics tools allows our buildings to become smarter.

Commonly referred to as 'smart buildings' this new capability will improve the performance of our buildings to ultimately improve the outcomes they seek to deliver.

How the public sector develop strategies, deliver value in the investment of smart buildings and ensure safe and secure approaches can present challenges to implementation.

To help with the solution, our Infrastructure Technology team, in partnership with key stakeholders, collaborated and developed the "**Guide to Smart Infrastructure for the Learning Estate.**"

This guidance has been prepared to give public bodies the resources, tools and strategies to support investment in smart buildings.

It has been designed to help local authorities make better decisions in how they invest, utilise and develop their skills and expertise to maximise the value of their smart building. Whilst not statutory, the guidance does offer a best practice approach.

The guide and collaborative working will deliver the following benefits:

- Support local authorities invest in new smart building technologies and create best value and outcome focussed strategies
- Accelerate the investment, capability and benefits of this approach through knowledge sharing and complementary tools and resources

- Enable the dissemination of best practice and mitigate risks in delivery
- Enable the impact and use of enhanced data insights to support asset performance and in doing so improve service outcomes
- Support the reduction in energy and carbon from our learning estate

This guidance was produced in partnership with Arup, together with the support of partners in the development of the guidance:

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