

CSIC | sensing the future

Innovative sensing for infrastructure



CSIC – the innovation and knowledge centre for infrastructure and construction

The Cambridge Centre for Smart Infrastructure and Construction (CSIC) is a world-leading hub for innovation and knowledge transfer, where academic and industry excellence converge. CSIC aims to transform infrastructure asset design, delivery and management through smarter information provided by innovative sensing technology.

Addressing industry challenges

Based at the University of Cambridge, CSIC collaborates with a wide range of Industry Partners from all the major infrastructure sectors, including road, rail, water and energy, to meet the challenges faced by industry. CSIC is working on major developments with Crossrail, Thames Tideway, National Grid Power Tunnels and London Underground, on projects that deal with the whole life cycle of infrastructure assets, from planning to design, construction, operation, maintenance and whole-life asset management.

Building industry confidence

CSIC provides support to build industry confidence in new, innovative solutions by supplying early-stage instrumentation and monitoring services, deploying CSIC's experts alongside your own staff to deliver live site deployments and provide analysis of the data gathered. As well as showcasing novel technologies, CSIC's

collaborative deployments provide information of competitive value to asset owners and managers. CSIC engages with its partners to develop commercial technologies, tools for data analysis, visualisation and management, best practice guidance codes and specifications for scale-up and standardisation. These are implemented by industry through a range of activities including deployment on live sites, industry training, developing supply chain networks, input to standards and dissemination.

Bringing innovation to market

Our research translation operating model, which converts research into applied innovation, puts CSIC in a unique position to develop, trial and deliver new robust, resilient and adaptable technologies that offer real value to the construction and infrastructure industry. CSIC has already fostered a number of exciting innovations that have been trialled in real infrastructure and construction applications, and are now the subject of spin-outs and other commercialisation activities.

Our technologies have attracted industry acclaim, winning a number of prestigious awards, and specialist media interest. CSIC contributes to the industry go-to digital title, *Infrastructure Intelligence*, and our articles are among the best

read on the website providing the infrastructure community insight and advance warning of innovation and new thinking that will shape and change the sector.

If you have an innovative solution you would like to bring to market, CSIC is keen to hear from you. CSIC can help you find trial sites and potential customers for your solution. We also run Emerging Technologies workshops to expose infrastructure and construction colleagues to the latest developments in relevant areas of innovation, such as Internet of Things, Big Data, and Auto-ID.

Get in touch

If you are interested in finding out more about how you can work with CSIC, please contact:

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