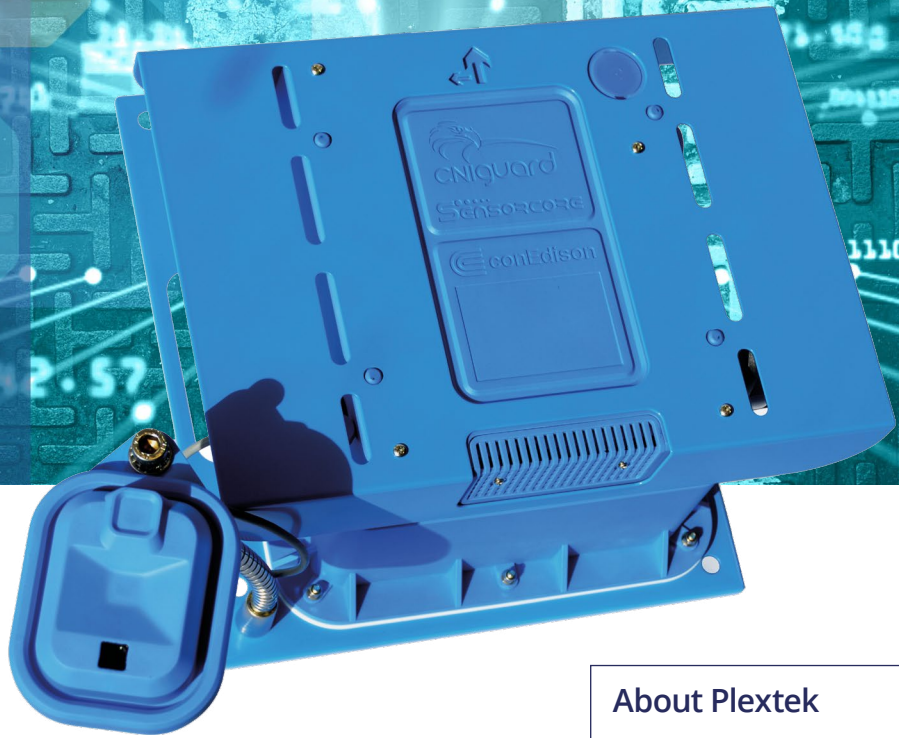


Infrastructure Monitoring



Plextek has developed innovative infrastructure monitoring technology to detect and pre-empt issues within an industrial or wider city infrastructure.

The Problem

- Aging infrastructure systems are expensive to maintain and when problems occur, they are increasingly difficult and costly to rectify.
- It can be a manual process to check and maintain systems and in extreme cases, errors in maintenance can cause casualties, expensive repairs, and legal costs.
- Inadequate resources mostly end up fire-fighting instead of timely and pro-active deployment.
- Retrofitting monitoring into existing infrastructure is difficult with off-the-shelf solutions.

Our Solution

We have developed a range of environmental sensors with cellular and ISM wireless capability, powered by a tough lifetime spec battery, to monitor infrastructure, detect faults, and predict failures.

The system prevents and mitigates the risk of gas explosions, stray voltage, flooding and other breaches of safety, environmental and quality control regulations. Deployed in major cities, it ensures that critical national infrastructure is kept safe.

Our Expertise

Companies often look for cost effective, and ready to deploy, off the shelf solutions. Platforms like Arduino and Raspberry provide sound bases to develop straightforward sensor solutions, solving many technical challenges.

However, when companies need to create future proof, robust, scalable, efficient, and flexible solutions that meet specific demands of size, weight, power, cost, and certification – off the shelf solutions cannot stand the test.

Plextek works with customers to create specialised innovative solutions in highly demanding markets like defence, health, security and smart cities. The evolving market dynamics, technological advancements, changing customer requirements and new business models demand long term flexibility which need bespoke developments.

About Plextek

We have a 30 year history of providing technology solutions to a variety of organisations.

Plextek understands today's key challenges for smarter technology development and can generate both the ideas and deliverable solutions to the assured level of security, performance, resilience and ergonomics that you need. We are a product development & consulting company that works with clients to achieve results based on their specific requirements. Our engineering experience, supported by our library of IP for key technology elements, aids accelerated time to market and greater cost effectiveness.

Contact

If you are interested to know more about how Plextek can help you achieve your technology goals, please contact hello@plextek.com to discuss your objectives further.

[email us](#)

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