

Energy efficient, reliable and secure-networked embedded sensing systems (IoT), in which Artificial Intelligence is processed on the device/edge rather than in the cloud. This reduces network requirements and latency.

Competitive advantage

 Inventor of patented EMIoT smart building technology, which creates a stable and scalable LoRa meshed network. allowing remote, online and automatic testing

Impact

- Networked automatic emergency light inspection improves the productivity of smart-building facility managers and reduces the maintenance costs for building owners
- Reducing the energy consumption and greenhouse gas footprint of smart buildings

More Information

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Successful applications

- Deployment of smart building technology in high-rise buildings
- Large-scale deployments in a variety of environments, including buildings, rainforest, farms and lakes

Capabilities and facilities

- · Low Power Wide Area Network and Bluetooth Low Energy testbed in industrial, residential and university campus buildings
- NVIDIA GPU servers with 3x Tesla v100 (32GB) and 18x GeForce RTX 2080 TI (16GB) for edge AI (Artificial Intelligence) deep learning applications.

Our partners

- WBS Tech
- Inkerz
- CSIRO