



Manufacturing



We are specialists in emerging technology

DiUS is an Australian technology company that specialises in using emerging technology—cloud, big data, IoT, artificial intelligence/machine learning—to solve difficult problems, get new ideas to market or disrupt traditional business models.

Our experience is a perfect fit for manufacturing organisations wanting to improve the reliability, performance, and security of their connected products. Our team of IoT specialists have extensive expertise in developing software, firmware and hardware, implementing IoT platforms, and managing device manufacturing at scale.

We have also helped a number of manufacturing organisations—including Seeley International, Swoop Aero and Environmental Monitoring Solutions—design, develop and manufacture new connected products through our AWS cloud, IoT and machine learning capabilities.

DiUS has been an AWS Advanced Consulting Partner since 2012 and was the first partner in Australia and New Zealand to attain the AWS Machine Learning Competency. We have also been recognised as an AWS Consulting Partner of the Year and AWS Innovation Partner of the Year multiple times.



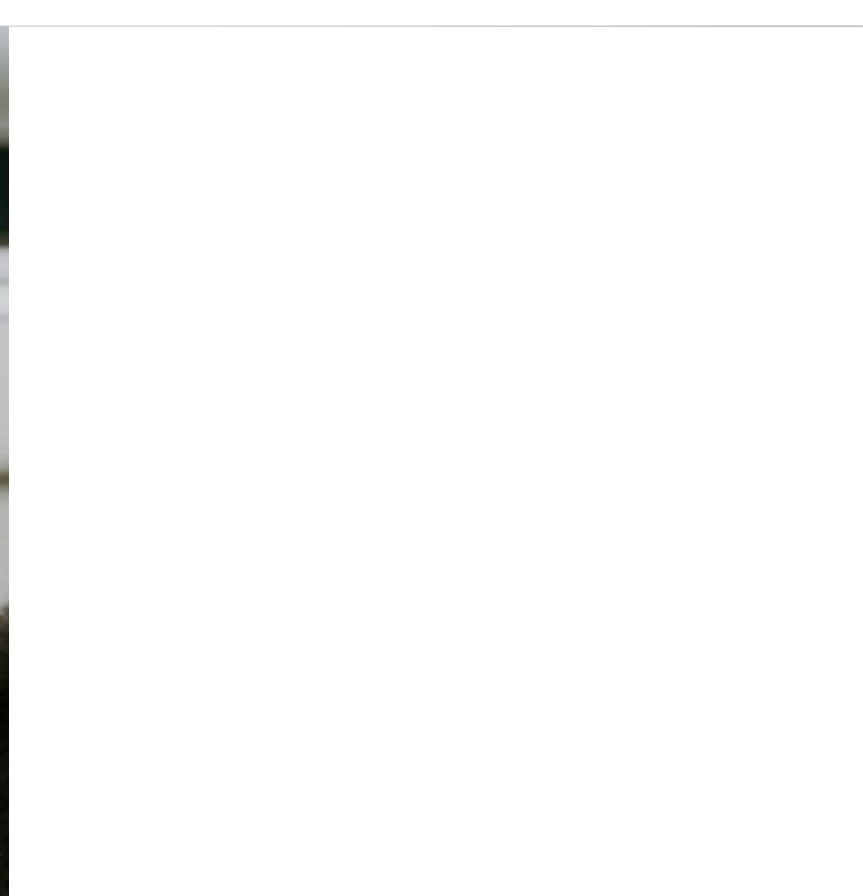
Delivering innovative solutions across the manufacturing industry

We have a proven track record of helping manufacturing organisations design, develop and manufacture new connected products, as well as improve the reliability, performance and security of existing products and services.

We also help our clients:

- + Apply artificial intelligence / machine learning at the edge for predictive maintenance and/or faster decision making.
- + Implement automated over-the-air updates to deploy new software versions quickly and seamlessly to any device, anywhere.
- + Achieve best practice, end-to-end security from the physical device and cloud architecture through to the digital product.
- + Optimise software and/or hardware production and deployment processes to scale operations.
- + Attain local and international regulatory certification and approval of products.

For manufacturing organisations that have a connected product and are experiencing issues with scaling reliably and securely, we recommend our IoT Well Architected Review (WAR). A short and sharp engagement, our WAR takes a look at the software, firmware and hardware to diagnose any high-risk areas and allow the organisation to prioritise remediation according to their business needs.



How we help our clients



Service design

To create the optimal customer experience.



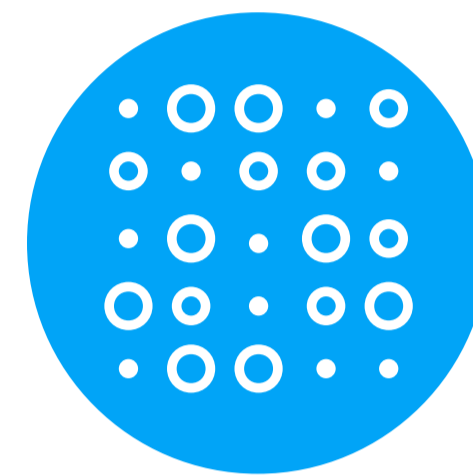
Certification & approval of products

In line with local and international regulations.



Customer Research

To understand customer pain points and desires.



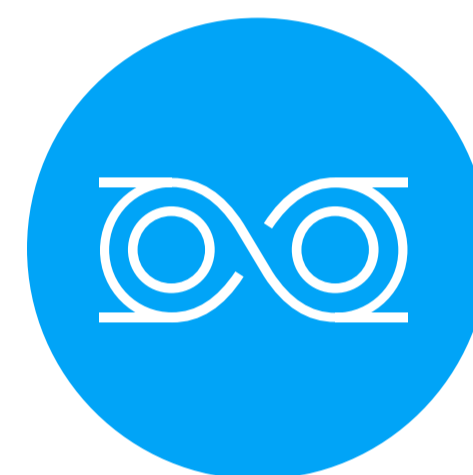
Big data & visualisation

To make predictions using machine learning and custom algorithms.



Experiments

To test hypothesis and approaches.



Map lifecycles & activities

To capture device management workflows.



Prototyping

For fast and cost-effective builds.



Design & development

Of connected devices.

We build in feedback loops to ensure that an ongoing focus is placed on gathering user insights and evaluating technologies to ensure the solution continues to be fit for purpose and meets users needs.

What our clients are saying

The DiUS team are extremely professional, and deliver quality solutions in a timely manner. They have a wealth of knowledge in the AWS space and offer expertise in many areas including IoT and AI/ML. The team are friendly and happy to support you to become familiar with the environments solutions they build so that you can get an understanding and have the ability to maintain it should you desire.



Barry Earl,
Seeley International



We imagined Fuelsuite to disrupt the retail petrol industry worldwide. DiUS understood the challenge and opportunity, and used their deep expertise in IoT devices and embedded software engineering to help us bring our vision to life. "The Fuelsuite solution has enabled us to achieve the dual benefits of proactive petrol station management and a reduced environmental impact.



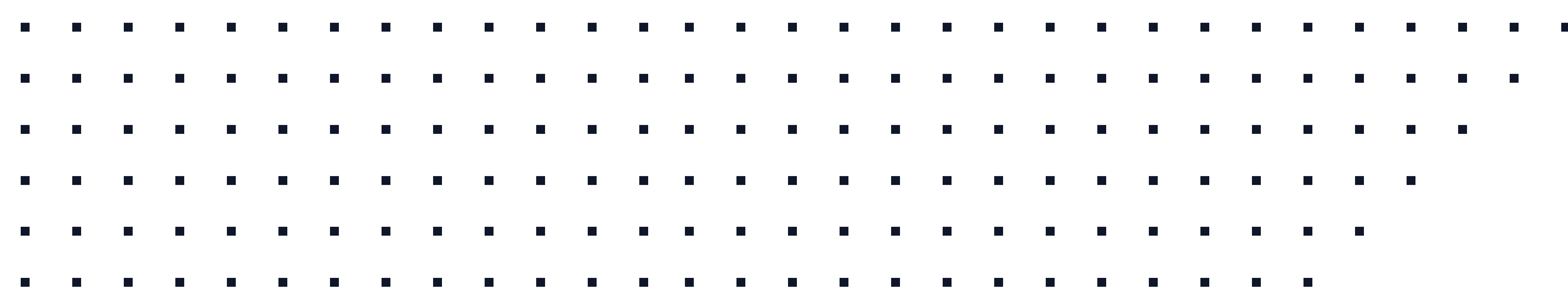
Russell Dupuy,
Environmental Monitoring Solutions



DiUS has a great mix of staff with a great mix of deep skills in individual areas. For us, we leverage DiUS as a partner that provides access to detailed knowledge and experience when we take on new challenges. That goes from working with us to make industrial-grade IoT hardware to creating a world-class Flight Log analysis process and Computer Vision on the Edge with AWS.



Andrew Thomas
SwoopAero





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Advanced
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Partner

Machine Learning
Consulting Partner