ADEPT technology

Lachlan Etherton

Project Success, Delivered.

Phone:
08 7200 5350

Linkedin:
Lachlan Etherton

Web:
adepttechnology.com.au

Email:
lachlan@adepttech.com.au

+ PROFILE

Lachlan is a **business analyst** with specialty in Internet of Things (IoT) technologies and data governance. He prides himself on project effectiveness and customer empowerment.

As part of his Makerspace Site Supervisor role with the Australian Army, Lachlan supports personnel in rapid prototyping and iterative design to support defence force capabilities.

Lachlan has gained a breadth of industry knowledge through project delivery for a number of industries including government, emerging technologies, education and defence. His ability to understand requirements in both the public and private sectors, enables Lachlan to deliver considered, honest and coherent technical evaluations and recommendations aligned to customer goals.

+ KEY ENGAGEMENTS

Saab Australia
Business Analysis for the Project Management Office on numerous defence projects.

QinetiQ
Support development of Australian Army prototypes using rapid fabrication tools including 3D printers, laser cutters, CNC machines and electronics.

City of Tea Tree Gully
Managed South Australia's largest LoRaWAN (Long Range Wireless Access Network), within existing operations, whilst increasing levels of sensor data collection for decision making.

District Council of Loxton Waikerie
Evaluation of LoRaWAN network capabilities and existing market challenges and project planning.

Regional Development Australia Barossa Gawler Light Adelaide Plains
Analysis and consolidation of local economic, jobs and housing data to support funding submissions and project delivery.

+ TECHNICAL SKILLS/ EXPERTISE

- Programming abilities in Python, C, JavaScript and Google Apps Script.
- Experience with integrations and visualisations with web APIs (application programming interface).
- Understanding of open and shared data and data governance.
- EOI (expression of interest) and RFQ (request for quotation) experience in addition to due-diligence and provisioning of government service contracts and products.
- Arduino microcontrollers and Raspberry Pi single board computers.

+ SIGNIFICANT ACHIEVEMENTS

- Managed the deployment and operation of South Australia's largest public LoRaWAN IoT network for the City of Tea Tree Gully.
- Consulted and delivered a comprehensive future management plan for the $500,000 Federal Government funded Riverland Smart Agriculture Project.
- Managed a collaboration between IoT satellite network provider Fleet Space Technologies and the City of Tea Tree Gully on a deployment of land-based environmental sensors.
- Mentored students studying a Master of Cybersecurity as part of the UniSA Capstone Professional Project on a security review of LoRaWAN.
- Development and delivery of a bespoke LoRaWAN education program to Pedare Christian College year 11 and 12 students aligned to the SACE curriculum.
- Winner of the 2018 Channel 9 Young Achievers Awards Innovation Category for work in the South Australian startup community.

+ INDUSTRY EXPERIENCE

- Defence - Development of innovative solutions for enhancing defence capabilities and operations.
- Local and federal government tender submissions and contract management.
- Education - Course development and delivery.
- Emerging technologies - Development and programming of systems for future use.

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