

# CV

## Adam Taylor

Founder & Systems Architect | Spiral X Technologies

Melbourne, Australia

adam@spiralxtechnologies.com | Au+61 416 062 193 | [\(1\) Adam Taylor | LinkedIn](#)

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## Executive Profile

Founder-led systems architect and operator with 20+ years delivering complex, regulated, multi-site infrastructure and operations across energy-intensive environments. Proven capability translating conceptual frameworks into deployable systems under real-world constraints, including compliance, capital planning, thermal management, and circular resource utilisation. Currently leading the development of Spiral X Technologies a regenerative infrastructure platform integrating energy buffering, cooling, waste-stream conditioning, and long-horizon data stability.

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## Core Expertise

- Infrastructure Systems Architecture & Integration
- Regenerative Energy & Thermal Systems
- Circular Resource & Waste-Stream Design
- Multi-Site Operations & Facilities Management
- CapEx Planning & Deployment
- ESG-Aligned Infrastructure & Reporting
- Stakeholder & Regulatory Coordination
- Founder-Led Innovation & Pilot Delivery

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## Founder & Director | Spiral X Technologies

Melbourne | 2024–Present

Founder and systems architect of **Spiral X – New World Energy**, a regenerative infrastructure platform addressing renewable curtailment, cooling energy demand, and waste-stream utilisation through integrated electrical, thermal, and chemical systems.

Key contributions:

- Designed a corridor-based infrastructure architecture integrating energy buffering, liquid cooling, and waste-derived working fluids.
- Led system-level conceptual modelling across electrical conduction, thermal transport, hydrodynamics, and chemical phase conditioning.
- Developed modular deployment pathways suitable for industrial, data-intensive, and grid-adjacent environments.
- Positioned the platform for pilot-scale validation using established engineering domains and compliance-first design principles.

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## Infrastructure & Operations Leadership

### Senior Operations & Facilities Leadership | Multi-Site Deployments Australia | 2002–2025

Led operations, facilities, and capital programs across hospitality, accommodation, logistics-adjacent, and mixed-use environments, overseeing up to 12 sites and 300+ staff concurrently.

Relevant infrastructure experience:

- Delivered multiple CapEx redevelopments involving HVAC, utilities, thermal systems, and compliance upgrades.
- Managed energy-intensive facilities including accommodation, food production, and event operations.
- Implemented ESG-aligned procurement, waste reduction, and circular supply initiatives.
- Designed and deployed operational systems under regulatory, safety, and environmental constraints.
- Coordinated stakeholders across ownership, regulators, suppliers, and technical contractors.

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## Selected Systems & Innovation Projects

- **Paddock to Pint** | Circular supply platform integrating producers, venues, and logistics with ESG tracking.
- **Green Yield Co-Op** | Infrastructure-sharing model for ethical distribution networks.
- **Aqua Bees** | Regenerative water and sensory system prototype for built environments.

- **Lead Flow / Near Cast** | Data-driven demand and engagement systems supporting operational optimisation.

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## Education

**Bachelor of Commerce** | UNSW Sydney  
Marketing, Financial Management, Business Law (incomplete)

**Diploma of Hospitality Management**

Systems Operations, Environment Management, Workplace Safety, Food-Grade Process Safety and Compliance, Team Leadership in Regulated Environments

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## Technical & Platform Fluency (Trimmed)

- Systems Design & Prototyping: Figma, Uizard
- Data & Reporting: ESG dashboards, SQL-based analytics
- Operations & Planning: Notion, Asana, CapEx frameworks
- Communications & Modelling: Pitch decks, system diagrams