

CV

Adam Taylor

Founder & Systems Architect | Spiral X Technologies

Melbourne, Australia

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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.

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

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