

Capability Statement

Advitech Pty Limited



About Advitech

Engineering and Environmental Consulting Services

Advitech's talented team of engineers and environmental scientists collaborate with you to understand your technical, compliance and business needs.

We offer a unique and diverse blend of consulting services in Engineering, Environment, Project Management, Risk and Compliance.

Our experience extends across industry sectors, from resources, energy and manufacturing to agriculture, defence, education, performance venues and more.

Whatever your industry, whatever your needs, we will work closely with you to ensure the right technical outcome for your business.

Your
challenge
is our
motivation

We are proudly Emergent

Advitech is part of Emergent Group, a dynamic partnership of technical sciences companies working together to deliver practical operational solutions for Australian businesses, industries, and government.



Advitech

Engineering and environmental consulting



Novecom

Sensor networks, monitoring and industrial IoT



Acubis

Remote communications networks

Together, our Emergent Group companies love to explore challenges and uncover possibilities. We are engineers, scientists, analysts, technicians and systems specialists. We are focused on the challenges of today... and tomorrow. We're focused on you. We are Emergent Group.



Advitech's Services



Engineering Consulting

Mechanical, structural, civil, process
3D modelling and design drafting
Asset integrity and reliability
Engineering compliance



Environmental Consulting

Acoustics
Air quality
Contaminated land
Environmental monitoring



Project Services

Project management
Strategic engineering support



Risk and Compliance

Functional safety
Risk assessment
Hazardous chemicals
Hazardous area classification



Sustainability and ESG Consulting

Environmental, Social and Governance (ESG)
Path to net zero
Energy and Environment Management Systems
Emissions reduction schemes
Circular economy



Applied Mathematics

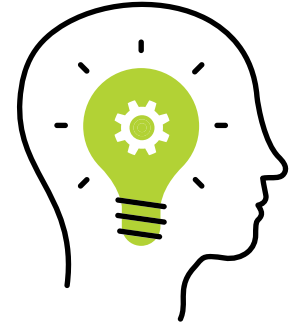
Data analytics
Decision support and automation
Mathematical modelling
Mathematical optimisation
Operations research
Statistical analysis



Engineering Consulting

From engineering design to management of your structural assets, we work with you to provide innovative solutions.

Advitech draws on the multi-disciplinary skills of our staff to achieve the best technical outcomes for our clients. Our longstanding specialists provide the integrated engineering solutions required by today's industry sectors. Our work spans across mining, food and agriculture, defence, transport infrastructure, performance venues and more.



Services

- Mechanical engineering
- Structural and civil engineering
- Process engineering
- Asset integrity and reliability
- Engineering compliance
- Design drafting and 3D modelling
- Theatre service audits



Environmental Consulting

Manage your impacts and achieve your business goals.

Advitech's diverse team of scientists, ecologists and engineers work with you to manage your environmental impacts while balancing your business goals and achieving regulatory compliance.



Services

- Planning and assessment
- Acoustics – noise and vibration
- Building acoustics
- Contaminated land assessment and validation
- Air quality and odour
- Compliance and monitoring
- NPI and EERs reporting



Project Services

Management and technical support for projects of any scope and scale across multiple industry sectors and geographies.

Advitech's project specialists have delivered projects to defence, agriculture, mining, manufacturing, government, commercial clients and more.

Our services are underpinned by the strong engineering and technical skills within Advitech. We have the capability and flexibility to provide technical and functional support for any part of a project, in addition to the full project management function.



Services

- Project management
- Scope development
- Cost estimation
- Procurement and contract management
- Commissioning
- Shutdown planning
- Engineering and technical support
- Feasibility investigations



Risk and Compliance

Advitech works with you to protect the safety of your people, operations, environment and the community

Operating within the framework of international standards for risk management, Advitech can assist you to improve safety outcomes and mitigate risk across every context and industry.

Our team of engineers has specialised skills in functional safety, hazardous chemicals, hazardous areas and safety compliance.



Services

- Functional safety
- SIL determination
- Risk assessment facilitation
- Hazardous chemicals auditing
- Hazardous area assessment
- Verification dossiers



Sustainability & ESG Consulting



Planning your sustainability initiatives (ESG) and path to net zero with purpose, reliability of data, and realistic targets

Making sense of the 'alphabet soup' of sustainability jargon and acronyms can be a challenge for businesses.

Our sustainability consultants are backed by true industry leaders in engineering, science, mathematics, IoT, and agricultural practice and can help you navigate your sustainability journey in a practical, real-world, and pragmatic way.

Services

- Environmental, Social and Governance (ESG)
- Path to net zero
- Energy and Environment Audits and Management Systems
- GHG emissions tracking and inventory (scopes 1, 2, 3)
- Carbon Footprint
- Water & energy use
- Project sustainability
- Streamlining sustainability reporting (integration)
- Waste Management
- Emissions reduction schemes
- Strategy and action planning
- Sustainability Office program for SMEs
- Circular economy
- Lifecycle analysis assessments
- Sustainable procurement and supply chains



Applied Mathematics

Analytics and Optimisation – Creating value from your data

Advitech uses quantitative methods to help businesses with challenges such as managing inventory and demand; scheduling transportation; planning infrastructure design, expansion, maintenance and renewals; improving production planning, scheduling and distribution; supply chain modelling; and workforce planning.



Services

- Data analytics
- Decision support and automation
- Mathematical modelling
- Mathematical optimisation
- Operations research
- Statistical analysis



Meet Our Management Team



Steven Smith

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Meet Our Management Team



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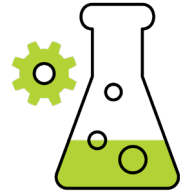
carl.fung@advitech.com.au



Sectors We Support



**Agriculture and Food
Production**



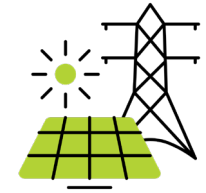
**Chemical Processing
and Manufacturing**



Defence



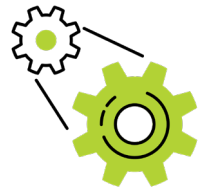
**Education
Infrastructure**



Energy



Local Government



Manufacturing



Materials Handling



Mining



**Performance Venues
and Theatres**



**Public Space
Protection**



Public Utilities



**Recycling and
Sustainability**



**Research and
Academia**



**Transport
Infrastructure**



Trusted By





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