

CAPABILITY STATEMENT



ABOUT US

Rickard Engineering is one of Australia's most sought-after engineering firms having built a solid reputation through delivering quality, trust and innovation.

Rickard Engineering is renowned for its expertise in structural and façade engineering, particularly Glass Reinforced Concrete (GRC) and curtain wall. Based in Sydney, Australia and with offices in Melbourne, Dubai, Denver, Shanghai, and Ho Chi Minh, Rickard Engineering manages engineering projects across the globe with major works in the UK, the Middle East, India, Singapore and the US.

Led by Founder and Managing Director **Charles Rickard**, our team is supported by three Directors, two Senior Associates, and two Associates who lead projects across the practice. Working closely with engineers, drafters, and interns, our leadership team fosters a collaborative environment where knowledge, mentorship, and practical industry experience are shared across all levels of the team.

Our promise is to provide a best-practice approach to your project with hands-on senior staff, utilising leading-edge design technology that is on time and on budget.



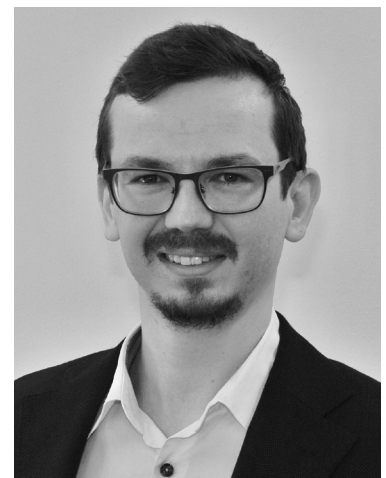
Charles Rickard
Managing Director



Amir Naderi
Director



Noman Ali
Director



Szymon Fujak
Director

CORE COMPETENCIES

Rickard Engineering is experienced in providing effective project communications with other project stakeholders.

Our expert team is highly efficient in understanding project requirements and in collaborating with other stakeholders to deliver the design to meet architectural requirements. Rickard Engineering is capable of analysing and designing the most complicated façade elements and features using state-of-the-art technology.

By linking 3D CAD software with Finite Element Analysis (FEA), we are able to analyse and design façades or any other structural element in 3D mode.

GRC & GRP

Glass Reinforced Concrete (GRC) and Glass Reinforced Plastic (GRP) are some of the most versatile building materials that have been developed during the twentieth century and have made a significant change to the façade industry. GRC and GRP contain glass fibres and can be formed into any shape to create any architectural intent. Products made from GRC and GRP can be formed into sections as thin as 12mm (GRC) and 6 mm (GRP). Therefore, the weight is significantly lower than traditional precast concrete products. The design and manufacture of GRC and GRP products are covered by international standards and are manufactured in over 100 countries, products in which Charles Rickard is an acknowledged expert.

Rickard Engineering (and more specifically Charles Rickard) was a pioneer in the engineering of GRC and GRP products, having developed the Australian Codes of Practice for GRC and GRP in the 1980's. Today, Rickard Engineering continues to lead the world in engineering both GRC and GRP solutions for some of the most complex architectural projects in Australia and across the globe.

STRUCTURAL ENGINEERING

With an experienced team of Engineers, Rickard Engineering is capable of the design of multi-storey buildings, dwellings, commercial buildings, industrial buildings, and special structures.

- Structural steel buildings and trusses.
- Reinforced Concrete buildings.
- Prestressed slabs.
- Timber buildings.
- Prefabricated and modular buildings.

CORE COMPETENCIES

FAÇADE ENGINEERING

Rickard Engineering provides façade engineering services for a wide range of façade systems, including:

- Design of Curtain Walls and Window Wall systems.
- Design of aluminium, glass, stainless steel, GRC, and GRP façade projects.
- Canopies, balustrades, and façade features.
- Weatherproofing.
- Thermal and condensation analyses.
- Blast analyses.

Our most significant project was undoubtedly the tower Australia 108 in Melbourne; however, there have been many others since 1984.

We have integrated 40 years of experience in structural and façade engineering together with advanced technologies and techniques like Finite Element Analysis software, with options for nonlinear/transient analysis to develop the design based on the particular project requirements.

Major International Projects:

Project Name	Location	Year
Strider Hotel	Boston, USA	2025
Alinma Bank Headquarters	Riyadh, Saudi Arabia	2024
Discovery Adventures, Al Hamra – Exit 10	Riyadh, Saudi Arabia	2024
Discovery Project – Abha City	Abha, Saudi Arabia	2024
Rivage Bal Harbour Residences	Florida, USA	2024
Royal Caribbean Headquarters – Project Skyline	Miami, USA	2024
Sindalah Island Resort Project	Neom, Saudi Arabia	2024
Four Seasons Resort and Residences AMAALA	Triple Bay, Saudi Arabia	2022
Sofrana House	Auckland, New Zealand	2021
Rosewood Doha	Doha, Qatar	2020
India International Convention Centre (IICC)	Delhi, India	2018
Mandai Wild Life Reserve	Mandai, Singapore	2018
Ahmad bin Ali Stadium	Al-Rayyan, Qatar	2017

CORE COMPETENCIES

FAÇADE ENGINEERING

Major Australia Projects:

Project Name	Location	Year
400 Kent Street	Sydney, NSW	2025
270 Pitt Street	Sydney, NSW	2024
Lumia, The Orchards Norwest	Sydney, NSW	2023
Melbourne Metro – Anzac Station	Melbourne, VIC	2022
Melbourne Metro – Arden Station	Melbourne, VIC	2022
Paramount on Parkes	Paramatta, NSW	2022
123 Albert Street	Brisbane, QLD	2021
83 Pirie Street	Adelaide, SA	2021
Footscray Hospital	Melbourne, VIC	2021
Melbourne Metro – Parkville Station	Melbourne, VIC	2021
The Winx Stand	Sydney, NSW	2021
150 Lonsdale	Melbourne, VIC	2020
Melbourne Metro – Bell and Preston Stations	Melbourne, VIC	2020
Melbourne Metro – Coburg and Morland Stations	Melbourne, VIC	2020
One Sydney Harbour	Sydney, NSW	2020
PARKROYAL Melbourne Airport	Melbourne, VIC	2020
388 George Street	Sydney, NSW	2020
The Lanes	Gold Coast, QLD	2020
405 Bourke Street	Melbourne, VIC	2019
447 Collins Street	Melbourne, VIC	2019
555 Collins Street	Melbourne, VIC	2019
Destination Gold Coast Towers	Gold Coast, QLD	2019
Home Southbank	Melbourne, VIC	2019
Melbourne Airport – T2 and T3 Terminals	Melbourne, VIC	2019

CORE COMPETENCIES

FAÇADE ENGINEERING

Major Australia Projects (continued):

Project Name	Location	Year
Monash University – Chancellery Building	Melbourne, VIC	2019
Sydney Metro – Central Station	Sydney, NSW	2019
380 Lonsdale	Melbourne, VIC	2018
477 Collins Street	Melbourne, VIC	2018
Melbourne Metro – Rosanna Station	Melbourne, VIC	2018
80 Collins Street	Melbourne, VIC	2017
175 Eagle Street	Brisbane, QLD	2017
Monash University – 18 Innovation Walk	Melbourne, VIC	2016
Australia 108	Melbourne, VIC	2015
35 Spring Street	Melbourne, VIC	2014

CORE COMPETENCIES

BLAST ENGINEERING

We are one of the few engineering consultancy firms in the world that specialise in Blast Engineering. Our design team gives clients peace of mind by ensuring the structures are protected against a range of potential threats.

While blasts do not happen frequently, it is important to ensure the public's safety in any event and safeguard all buildings and infrastructure after detonation.

Blast-resistant structures are critical in high-use public projects such as metro stations and government buildings, as the performance of these structures during an explosion is of vital importance to the safety of the general public.

We are able to assess the impact of a blast event on any existing or new structure, and we recognise that the performance of blast-resistant structures has a direct impact on the local community. Due to the high-risk work involved in blast-resistant design, we collaborate with architects, consultants, contractors, manufacturers and installers directly. This ensures all risks are mitigated at all stages of the project from design to installation.

Our capabilities include:

- Blast analysis and load assessment.
- Blast-resistant steel design.
- Blast-resistant metal cladding.
- Blast-resistant glazing design.
- Blast-resistant GRC design.
- Blast design of ceramic elements.

CONTACT US

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AUGUST 2026

RICKARD

ENGINEERING

SYDNEY • LONDON • DUBAI • DENVER
MELBOURNE • CANBERRA • SHANGHAI

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