LYSAGHT

DESIGN SOLUTIONS FOR

INDUSTRIAL FACILITIES



INSPIRATION TO BUILD BETTER

EXPERIENCE

It makes all the difference.

At Lysaght, we understand the importance good design decisions play in shaping the physical environment and functionality of industrial facilities.

Designing industrial facilities involves a unique set of considerations focused on safety, functionality, and sustainability. These facilities must ensure the safety of workers, optimise operational efficiency, and incorporate sustainable practices to minimise environmental impact. By addressing these factors, industrial facilities can create productive, safe, and eco-friendly workspaces.

With decades of **experience** and **expertise** in supporting the delivery of quality industrial facilities from concept to completion, Lysaght has a deep **understanding** of the unique challenges and needs of such projects. Lysaght's range of **products and solutions** are designed to enhance industrial facilities through their durability, energy efficiency, aesthetics, cost-effectiveness and environmental impact.

150 YEARS

of shaping Australian design.

With 150 years' experience in Australia's building and construction industry, Lysaght is the steel building products supplier of choice for customers wanting consistent, quality assured and compliant Australian-made products. Lysaght shapes coated steel materials including COLORBOND® steel and ZINCALUME® steel into a high-quality range of LYSAGHT® branded roofing, walling, guttering, fencing, purlins and formwork products.

Colorbond® Zincalume®





BlueScope

Lysaght is part of BlueScope – Australia's largest steel manufacturer and one of the world's leading providers of painted and coated steel products.

BlueScope is a global supplier with over 18,000 employees working from 160 operations and sales offices in 18 countries.

Over 30 production facilities and service locations throughout Australia.

ORB

LYSAGHT CUSTOM ORB® is the original corrugated iron building material that helped shape the Australian landscape.

BUILD BETTER

Industrial facilities.

Whether you're building a new industrial facility or undertaking renovations LYSAGHT® steel building products offers a range of benefits that other materials can't match.

Superior performance - rain, hail or shine

LYSAGHT® steel building products are renowned for their strength and durability, providing robust protection for commercial and industrial buildings. Because long run steel sheets form a continuous surface, they are extremely weather resistant. Steel roofing and walling can withstand impacts, harsh weather conditions, and other environmental factors, ensuring long-term structural integrity.

Design versatility

Modern design trends incorporate steel for both its sleek appearance and its adaptability to various architectural styles. LYSAGHT® roofing and walling products are available in a range of finishes, colours and substrates, allowing building designers and architects to choose the perfect product for their design vision.

Strong and secure

The strength of LYSAGHT® steel building products allows for long spans that can let you to create more open, unobstructed usable space within your building envelope. Steel walling can also provide enhanced security for commercial buildings. Its strength, fixing methods and durability make it more resistant to unauthorised access or vandalism, contributing to the overall safety and security of the property.

Fire resistance

LYSAGHT® steel roofing and walling is deemed non-combustible under the NCC, providing an added layer of safety for industrial facilities. In the event of a fire, a steel roof can help prevent the spread of flames and contribute to the overall fire resistance of the structure.

Quick and efficient construction

The efficiency of steel installation is advantageous for industrial facilities. Large panel sizes, interlocking systems, and the lightweight nature of steel, contribute to a faster installation process. This can result in cost savings in terms of labour and construction timelines, making it suitable for commercial projects with tight schedules.

Low maintenance

Unlike many other materials, LYSAGHT® products require minimal upkeep. They won't peel, crack, or warp, reducing the need for regular maintenance and repairs.

Energy efficiency

When combined with appropriate insulation, LYSAGHT® roofing and walling products can significantly improve a building's energy efficiency by reducing the need for heating in the winter and cooling in the summer. LYSAGHT® roofing and walling shaped from COLORBOND® steel, features Thermatech® solar reflectance technology which can help in maintaining a comfortable interior temperature.



GENUINE EXPERTISE

you can lean on.





Lysaght Design Solutions Group

We're more than just experts; we're your trusted partners in delivering leading-edge product and design solutions. As a national team of specialists in product application, engineering, design, and drafting, we offer tailored insights and advice, ensuring that every product's full potential is tapped into for maximum project efficiency and outcome.

We will provide expert advice on:

- Material choices
- Code compliance
- Precise design guidance
- Warranty
- The interplay between design, environment, and product performance
- Advanced BIM modelling



TESTED TO THE HIGHEST DESIGN STANDARDS

for your peace of mind.

Lysaght Product Innovation Group

With its in-house fabrication capability and NATA (National Association of Testing Authorities) accredited testing facility containing over a dozen specially designed testing and validation rigs, Lysaght is able to work with customers and suppliers to develop world-class steel building product solutions. Using the resources of this unique in-house facility, we undertake a range of critical bespoke product development and improvement tasks including:

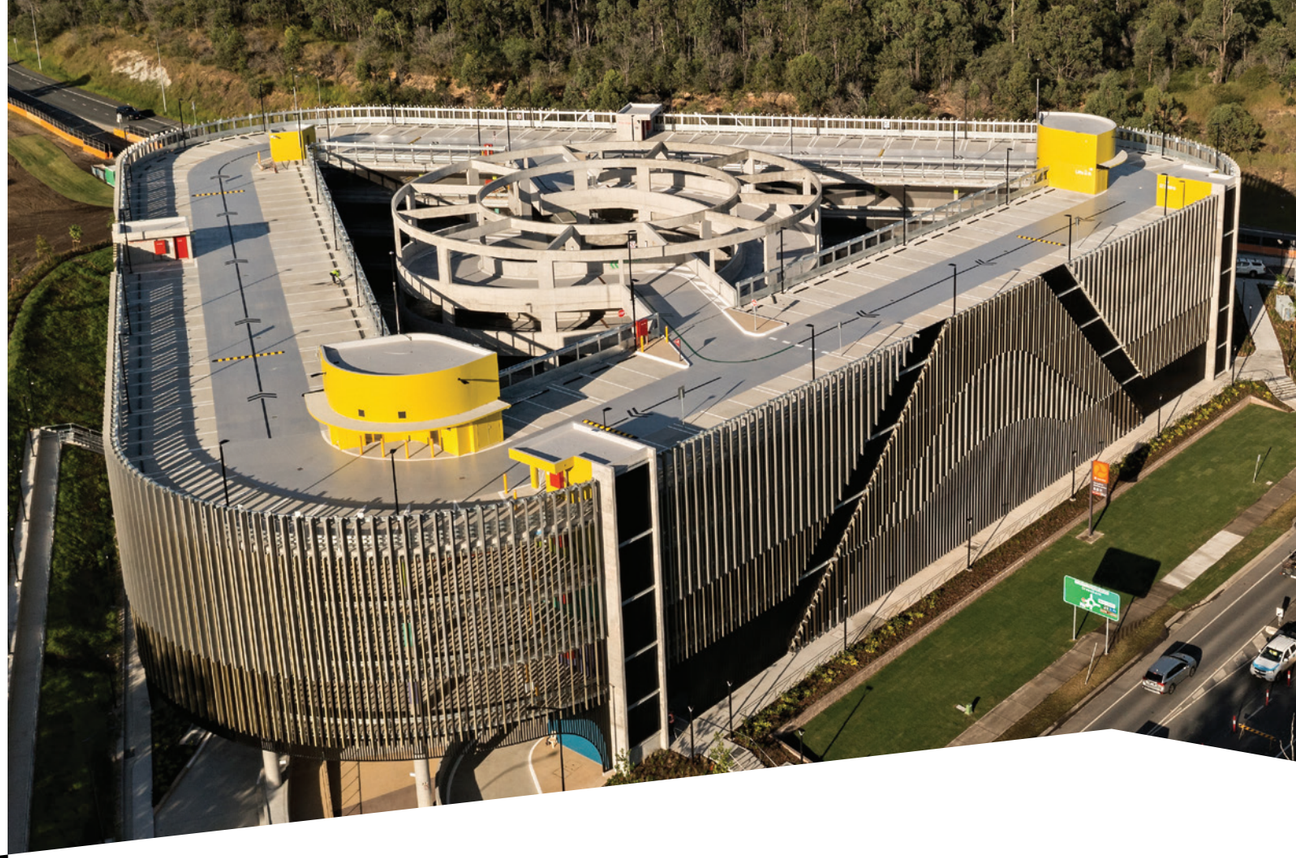
- **Prototyping**
- **Design**
- **New Product Development**
- **Building System Design**
- **Engineering and Validation**
- **Product Performance Testing**

STEEL

A product for the future.

With its strength, durability, longevity, and ability to be reused and infinitely recycled, steel is a material of choice for buildings, infrastructure, light weight transport, energy production and transmission, and many other uses. Steel is central to society's need for a circular economy – we want steel to remain useful for as long as possible, and then reused, re-purposed and eventually recycled.

At Lysaght, we manufacture our LYSAGHT® steel building products range from 100% Australian-made metallic coated and pre-painted steel. These ingredient steel products are durable and resilient to Australia's harsh climate and their long life helps conserve resources and energy that may otherwise be invested in products with a shorter life span.





LYSAGHT® building products are made from BlueScope steel in Australia and are backed by their multiple sustainability certifications and initiatives.

BlueScope publishes third-party verified Environmental Product Declarations (EPDs) specific to their steel products used to manufacture LYSAGHT® steel building products, such as COLORBOND® and ZINCALUME® providing transparent data on their lifecycle environmental impact.

Selected BlueScope and LYSAGHT® steel products have GreenRate™ certification, ensuring evaluation against sustainability attributes like material toxicity and environmental footprints.

BlueScope's Port Kembla Steelworks, producing steel for LYSAGHT® products, is ResponsibleSteel™ certified, affirming strong environmental, social, and governance.

Lysaght benefits from BlueScope's sustainability initiatives, encompassing sustainable growth, workplace safety, climate action, responsible products, and community support.

AUSTRALIAN MADE STEEL BUILDING PRODUCTS

Shaped from COLORBOND® steel.

Steel has played a pivotal role in commercial, industrial, social and institutional architecture and construction for generations. As Australia's leading shaper of COLORBOND® steel and ZINCALUME® steel, Lysaght is at the forefront of industry trends. We're committed to providing our partners with a premium suite of rollformed steel building products in a wide range of colours and finishes that not only thrive in commercial settings but provide architects and building designers with a choice of materials that allow them to fully realise their design vision.

ROOFING, GUTTERING AND FASCIA

A wide variety of roofing profiles complemented with a range of stylish guttering and fascia options.

WALLING, CLADDING AND FAÇADES

Options ranging from low maintenance single skin products through to complete façade walling systems.

FENCING AND SCREENING

Solutions with boundless design options that will stylishly frame any building or precinct.

WALKWAYS AND SHELTERS

Fully compliant, customised shelter solutions for institutional, commercial and industrial applications.

FRAMING AND FORMWORK

Structural products and construction solutions for every building.

LYSAGHT – SHAPERS OF COLORBOND® STEEL

COLORBOND® steel is Australian-made pre-painted steel that's supplied to Lysaght in large coils. Lysaght then shapes the COLORBOND® steel (through the process known as rollforming) into our range of roofing and walling products, gutters, fascia and downpipes, fencing systems, plus home improvement products such as verandahs, patios and carports.

Colorbond®

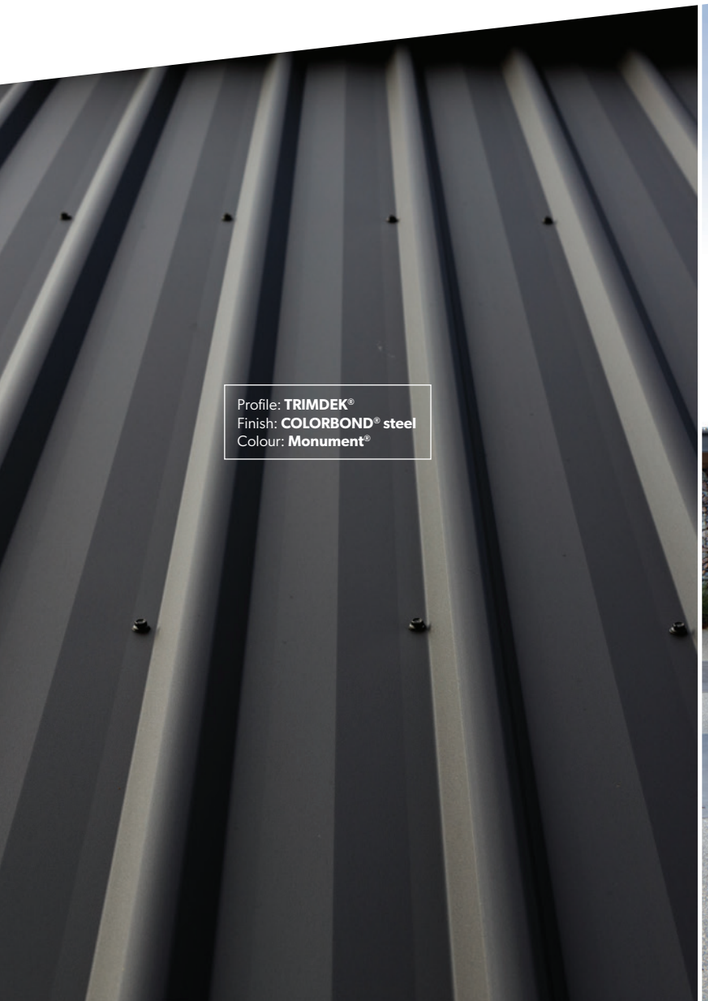
ADAMS DISTILLERY

LOCATION: Perth, TAS

PRODUCT: CUSTOM ORB®; TRIMDEK®

FINISH: COLORBOND® steel in colour Monument®

Adams Distillery, located on the historic Glen Ireh Estate in Perth, Tasmania, has been meticulously rebuilt after a devastating fire in 2021. The new facility features the versatile and durable CUSTOM ORB® and TRIMDEK® cladding from Lysaght, for both aesthetic appeal and structural integrity. Using COLORBOND® steel, these profiles offer a seamless blend of traditional and contemporary design elements. The distillery, originally founded in 2016 by Adam Pinkard and Adam Saunders, now continues its legacy of producing award-winning craft whisky and spirits, and a thriving contributor to Tasmania's distilling industry.



Profile: **TRIMDEK®**
Finish: **COLORBOND® steel**
Colour: **Monument®**



Profile: **TRIMDEK®**
Finish: **COLORBOND® steel**
Colour: **Monument®**





GLADSTONE AIRPORT FIRE STATION

LOCATION: Gladstone, QLD

CONSTRUCTION: St Hilliers

PRODUCT: CUSTOM ORB®; SPANDEK®

FINISH: COLORBOND® steel in colour Dune®
COLORBOND® steel in colour Jasper®

Australia's Aviation Rescue Fire Fighting Service (ARFFS) provides rescue and firefighting services at 27 of the country's busiest airports. St Hilliers was appointed to design and construct the $6.5M ARFF Fire Station at Gladstone Airport for Airservices Australia. Key to the project was its innovative modular design for easy dismantling, transport, and reassembly. The station features CUSTOM ORB® and SPANDEK® cladding in COLORBOND® steel, combining durability with modern aesthetics. Completed in May 2014, the project also adhered to strict Aviation Industry Security requirements.



SPRINGFIELD CENTRAL RAILWAY PARK'N'RIDE

LOCATION: Ipswich, QLD

ARCHITECT: GHD Design

PRODUCT: PERMALITE® aluminium purlins

The Springfield Central Station Multi-Storey Park 'n' Ride project in Ipswich, Queensland, showcased an innovative use of 50 tonnes of PERMALITE® aluminium purlins as a vertical vein façade. Architects faced complex design challenges and budget constraints, which required an inventive solution. By separating the façade system into distinct elements for anti-throw screening and natural ventilation, the design was optimised for performance and cost efficiency. Lysaght supplied pre-punched purlins, minimising on-site fabrication and simplifying installation. This first-of-its-kind application of PERMALITE® purlins highlighted their visual appeal, functionality, and durability, and a successful collaboration between the project team.

FNQ AVIATION MUSEUM

LOCATION: Mareeba, QLD

PRODUCT: TRIMDEK®

FINISH: COLORBOND® steel in colour Surfmist®

As part of Lysaght's 'Community First Grant Program,' which contributes LYSAGHT® steel building products to worthy projects, the restoration and development project of the Far North Queensland Aviation Museum in Mareeba, Queensland, was selected. This community-based, not-for-profit museum, established in 2018, focuses on local tourism and aircraft restoration. With the donation, the museum enhanced its site protection and security. The project, aimed at preserving aviation history and providing educational opportunities, received TRIMDEK® cladding, LOUVRESCREEN®, and NEETASCREEN® fencing, demonstrating the visual appeal, functionality, and durability of Lysaght products. Lysaght is proud to contribute to the museum's mission and the community's development.





GOURMET GARDEN

LOCATION: Palmwoods, QLD

ARCHITECT: GHD and S2

PRODUCT: KLIP-LOK 700 HI-STRENGTH®

FINISH: COLORBOND® steel in colour Surfmist®

The Gourmet Garden factory in Palmwoods, Queensland, required a 4,500 square metre curved roof due to increased global demand. Constructed by Evans Harch Pty Ltd and designed by GHD and S2, the factory features LYSAGHT KLIP-LOK 700 HI-STRENGTH® cladding.
The continuous sheets, rollformed on-site by BlueScope Lysaght, span 53.1 metres from eave to eave, eliminating the need for support columns and ensuring a column-free space for a 1,200-pallet freezer. The roof meets the plant's functional requirements and blends seamlessly into the semi-residential area. The project highlights the practicality and aesthetic advantages of using LYSAGHT products, offering noise reduction and enhanced hygiene through the concealed clip fix system.



Profile: **SNAPSEAM®**
Finish: **COLORBOND® steel**
Colour: **Shale Grey™**

IPSWICH NATIONAL STORAGE

LOCATION: Augustine Heights, QLD

ARCHITECT: ADCO Constructions

PRODUCT: SNAPSEAM®

FINISH: COLORBOND® steel in colour Shale Grey™

The Springfield National Storage project in Augustine Heights, QLD, showcases the practical application of LYSAGHT SNAPSEAM® and a tailored, efficient solution in commercial construction. Built by ADCO Constructions, this project features SNAPSEAM® in COLORBOND® steel Shale Grey™, chosen for its flexibility, strength, and enhanced spanning capacity. The concealed fix clips facilitate better thermal expansion and contraction, ensuring secure fixing. This solution marries practicality with style, demonstrating LYSAGHT's dedication to advanced building solutions that meet today's construction needs while paving the way for future innovation.





POWRANNA POTATO SHEDS

LOCATION: Powranna, TAS

PRODUCT: CUSTOM ORB®; TRIMDEK®; KLIP-LOK 700 HI-STRENGTH®

FINISH: COLORBOND® steel in colour Surfmist®

Simplot's $41 million state-of-the-art controlled potato storage facility in Powranna, TAS, supports local growers by allowing optimal harvesting times, reducing weather impacts on crops, and making potato farming more lucrative. This facility, part of an $80 million investment in Tasmanian potato storage, features CUSTOM ORB®, TRIMDEK®, and KLIP-LOK 700 HI-STRENGTH® cladding in COLORBOND® steel. It provides advanced temperature, humidity, and airflow control to store 36,000 tonnes of potatoes for up to nine months, preventing spoilage. The facility will play a key role in enhancing yields and supporting the local economy by sourcing over 80,000 tonnes of potatoes from nearby growers.

TOWNSVILLE SUGAR TERMINAL

LOCATION: South Townsville, QLD

INSTALLER: QLD Industrial Cladding

PRODUCT: PERMALITE® LT7

FINISH: PERMALITE® in colour Gull Grey™

The Townsville Bulk Sugar Terminal, built in 1958, is holds a place in Australian history. It could hold 10% of Australia's sugar production. In 1963, a fire caused £6 million in damage and destroyed 77,500 tons of sugar. Investigations revealed hydrogen gas explosions from Clostridium bacteria and prompted a redesign of bulk sugar terminals. Decades later, PERMALITE® aluminium product was selected for the re-roofing project of the sugar terminal. Structural considerations made lightweight LT7® aluminium cladding the ideal choice. Lysaght worked closely with Queensland Industrial Cladding to schedule timely material deliveries and also to provide ongoing support throughout this complex project.







Scan the QR code for more information on Lysaght's product range and services at **lysaght.com**

LYSAGHT.COM

FOR SALES ENQUIRIES CALL 13 30 38
FOR TECHNICAL ENQUIRIES CALL 1800 641 417

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