



# 2019 INSPIRATIONS DESIGN AWARDS

LYSAGHT

## 2019 Lysaght Inspirations Design Awards Student Category

### Synopsis

The Student Category of the Lysaght Inspirations Design Awards provides current and recently graduated (up to two years) architecture and design students with the opportunity to take part in this national building design awards program without the requirement for submitting an already constructed building, as is the requirement for other categories in these awards.

The Student Category of the Lysaght Inspirations Design Awards is therefore a conceptual project only, responding to the enclosed brief.

The key requirement of your submission is that your building design must prominently utilise products from the LYSAGHT® range as the main building material elements.

With a cash prize of \$5000 available for this category how you choose to present your design is also up to you – plans, drawings, renders, mood boards and written rationale are all acceptable.



# 2019 INSPIRATIONS DESIGN AWARDS

## Introduction

Following its successful introduction in 2018, the Lysaght Inspirations Design Awards have returned in 2019 to celebrate outstanding Australian architectural and building design work that incorporates LYSAGHT® steel building products.

This year, in addition to the categories celebrating the achievements of practicing architects, Lysaght has included a category exclusively for architectural students. This category is open to all architectural or design students currently enrolled at Australian universities and colleges.

The winning entrant, that individual judged to have best incorporated LYSAGHT® steel building products into a major conceptual design, will receive a cash prize of \$5,000.

## Lysaght – the Company

The manufacturer of a range of steel building products including industry-favourite brands like CUSTOM-ORB®, KLIP-LOK®, BONDEK® and more, Lysaght is an integral part of the Australian architectural landscape.

What started in 1857, when a 25-year-old Irishman John Lysaght began exporting corrugated iron sheeting to Australia under the trademark “ORB”, has developed over the past 150 years to the point where today the LYSAGHT® range of steel building products are held in the highest esteem by architectural, design and building professionals, as well as the general public

From their earliest usage in iconic outback shearing sheds, water tanks and homesteads through to their present-day application to some of the most innovative and aesthetic residential, commercial and industrial buildings, the LYSAGHT® range of steel building products continues to be at the forefront of building design and construction.



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### **Lysaght Product Innovation Group**

Throughout its history, Lysaght's commitment to product development has been key to the company's success.

This commitment was there in 1921 when the company opened its first Australian manufacturing plant in Newcastle and became the first Australian manufacturer of rolled and galvanised sheet. It was there in 1976 when Lysaght's then parent company BHP introduced ZINCALUME® steel, the first product of its kind in this country to feature an aluminium-zinc alloy coating.

And it is still there today, most visibly through the work undertaken by Lysaght's Product Innovation Group, the business unit responsible for all the company's Research and Development activities.

Housing a range of state-of-the-art equipment, this NATA accredited and Australian Standard compliant research facility is the epicentre of Lysaght's development and testing operations.

It is a place where technicians carry out tasks like building product prototypes to customer specifications, and also answer customer queries as they arise. In this sense, the Group is able to extend the company's commitment to customer service.

The Group's main function however is utilising its NATA accredited facilities to test the various roofing, walling, structural and other products in the LYSAGHT® range against the extensive requirements of Australian Standards, Australian Building and Construction codes, real life performance conditions to ensure that LYSAGHT® product can be confidentially specified, installed and certified in a broad range of building applications.



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## Current Facilities

Currently, the Lysaght Product Innovation Group is based in the Western Sydney suburb of Minchinbury.

The Group's 1730m<sup>2</sup> NATA accredited testing facility is supported by an extensive fabrication workshop and also houses roughly 400m<sup>2</sup> of office space.

The facility houses state-of-the-art testing and prototyping equipment providing Lysaght with the in-house capability to perform a full range of Standards compliance, accreditation and product development and capability testing including:

- Direct pressure cladding testing
- Multiple load truss testing
- Racking forces tests
- Moment testing
- Cladding installation testing
- Multiple load testing on wall frames
- Debris impact testing
- Wind-blown moisture testing
- Connections testing
- Fasteners testing



# 2019 INSPIRATIONS DESIGN AWARDS

## Student Design Competition Brief

### A new home for Lysaght Product Innovation Group

#### Project Scope

**For the purposes of the Student Design Competition, entrants should be guided by the following fictitious scenario:**

While up until now, the Minchinbury facility occupied by the Lysaght Product Innovation Group has served it well, it is reaching the end of its serviceable life and will soon require renovations. Given that Lysaght wishes to expand the size and scope of the group, it has been decided that now is an opportune time for it to move to new premises.

The new 'Lysaght Design Innovation Centre' will be a place for the Lysaght Product Innovation Group to not only continue to lead the steel building product in terms of innovation, but also to showcase their successes to the steel building product market.

As such, most notably, the project brief calls for a relocation from its current location to a new Greenfield site near to a major urban centre.

The new facility will include a Test Laboratory measuring 1,800m<sup>2</sup>, a Fabrication Shop measuring in the vicinity of 20m x 30m (600m<sup>2</sup>), and 800m<sup>2</sup> of Office Space.

In addition, to better accommodate visits by current and potential customers and others, the new Centre will also incorporate a Conference/Display Centre.

It is hoped that this new centre will help to further integrate the R&D and customer service units of Lysaght and help the company to better respond to and satisfy customer needs.

Entrants need to also factor in the need for semi-trailer access and can assume that the new building will be able to be viewed from all angles.



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## **Aspirational brief**

Entrants should view the project as an opportunity for Lysaght to make a major statement within the context of its rich history of product development and its position as an industry leader.

More than a functional centre for the Lysaght Product Innovation Group, the facility should itself reflect the company's commitment to product leadership backed by research and development excellence.

The design, the materials and the processes outlined in the project should, themselves, speak to this commitment. In other words, it is hoped that, once functional, the work carried out by the research team will reflect the quality of the building in which it is taking place. Indeed, the space will invigorate and inform the development work going on inside.

To that end the utilisation of LYSAGHT® steel building products in the design and construction of the new centre is a mandatory requirement.

The range, quality and versatility of the LYSAGHT® product range provides entrants with every opportunity to create a design that is both functional but also meets the intent of being a product showcase for the company.

Of course, the design choices extend beyond the CUSTOM ORB®, KLIP-LOK® and BONDEK® themselves to how the students choose to use these products in conjunction with other materials and products. The possibilities are as endless as they are exciting.

The main addition to the existing facilities, the Conference/Display Centre, needs to become Lysaght's opportunity to present all of this to the market; indeed, the world.

The building product market is perhaps unique in this sense. In most other industries, displays and conferences are focussed on what goes on inside. For Lysaght, the venue itself becomes part of the display. Again, the professionalism, intelligence and ideas of the Lysaght management teams who will be addressing customers and the broader industry within the Centre will reflect (and be reflected by) the venue, itself.



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In short, the chance to design the new Lysaght Design Innovation Centre is the type of opportunity that doesn't come along very often. Lysaght hopes that, for years to come, it will stand not just as a functional lab but as a place of inspiration.

So, in terms of aspiration, Lysaght are looking for nothing less than something that encapsulates and communicates their standing as a steel building product manufacturer with over 150 years' experience in this country.



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## Competition Brief

Entrants are asked to provide a conceptual design for the new Lysaght Product Innovation Centre, utilising extensively the LYSAGHT® range of steel building products.

The objective of the award is to select a student who, having considered the quality, strengths and potential of LYSAGHT® steel building products\*, can successfully incorporate them into a major project.

Entrants will also need to demonstrate their capability to:

- Present a design of outstanding architectural and building design merit, which meets the Lysaght Product Innovation Group's aspirational objectives and functional requirements.
- Create a work that is in keeping with the company's priorities and values and showcases not only its commitment to product development but also the results of its endeavours in this field.
- Balance competing priorities, and work within the parameters of the project brief.

\* Full details of the LYSAGHT range of steel building products, including project case studies is available at [www.lysaght.com](http://www.lysaght.com)

By introducing the student category to the Lysaght Inspirations Design Awards, Lysaght is seeking to provide students with a real opportunity to not only express their creativity, but also consider and familiarise themselves with the design possibilities and applications of LYSAGHT® steel building products.





# 2019 INSPIRATIONS DESIGN AWARDS

## Submission Requirements

Given the conceptual nature of the Student Category of the Lysaght Inspirations Design Awards, there are no detailed submission requirements in terms of length or structure.

Entries must be submitted in PDF format and can only be received via the Awards website – [www.lysaghtinspirations.com](http://www.lysaghtinspirations.com)

Entrants are free to detail their submissions as they wish, within the constraints of the Awards website. Keeping in mind that they will be judged by a panel of experts and they will be competing against a large field of their peers, they are encouraged to use whatever means they need to bring their designs to life.

Entries can be lodged from Monday 20<sup>th</sup> May 2019 with the deadline for submissions being 12:00 pm Sunday 28<sup>th</sup> July 2019.