

PWI Inaugral Design Award 2023

The PWI Design Award recognizes design leadership of multi-disciplinary rail project studies or designs. The study or design should demonstrate excellence in influencing benefit to the customer alongside, building a pipeline of talent, treading carefully on the earth and importantly creating an everlasting community benefit. The award will be assessed on key criteria including:

- Benefits of the project to the community
- Approach to solving design challenges including use of innovation and digital
- Uplifting culture, collaboration and partnerships in the rail industry

There are two categories for the PWI Design Award which are: Engineering studies or designs to inform or shape a rail project in the calendar year 2022.

1. Category 1: consultant engagement fees less than \$1M
2. Category 2 consultant engagement fees over \$1M

Entries must have been completed in the last financial year by, or under control of, a member of the NSW Section, whether on a government or private railway system and/or

The design project can be in construction phase, as long as the project spans the last financial year.

Criteria	Scoring		Judging guide
Is the design for a rail project in NSW?	Pass/fail		
Engineering studies or designs to inform or shape a rail project <ul style="list-style-type: none"> • Category 1: consultant engagement fees less than \$1M • Category 2 consultant engagement fees over \$1M 	Category		
Project Description			
Describe the rail project and the key design objectives and outcomes.	200 words	Nil score	

Benefits to the community, rail industry and operator/maintainer			
Describe the key benefits of the rail project for the end-user whether freight or passenger rail.	200 words	10	
Describe the key benefits to the rail industry which may include: <ul style="list-style-type: none"> - Building capacity - Building capability - Improving design methods 	200 words	10	
Operations and Maintenance needs			
Describe how the design or study has considered operations and / or maintenance needs.		10	
Approach to solving design challenges			
Describe the key risks, opportunities and challenges. How were these addressed in the report or design. You might like to consider safety in design; environmental constraints; customer and community concerns and sustainability outcomes.	400 words	25	
Leveraging digital and innovation in the process. Provide upto 3 examples of how digital was used to reduce waste and do more with less.	200 words	15	<ul style="list-style-type: none"> • Use of visualisation • Solve for constructability issues • Inform management of the asset in the future

Describe how sustainability and decarbonisation matters were considered in the design. What positive outcomes were achieved.	200 words	15	
Culture and collaboration			
Describe the team culture and how the following were considered: <ul style="list-style-type: none"> • Diversity • Developing pipeline of talent in the rail industry • Working across regions to deliver the design 	200 words	10	
Describe how the design team collaborated with other designers, stakeholders, the constructor and the end client including systems, processes, and communication.	300 words	10	
Additional Supporting Information			
Opportunity to provide additional information to support your submission.	Upto 5 pages		