



Tim Messer

## Design of Light Gauge Cold-Formed Steel Industrial/Commercial Buildings

This seminar has been developed to improve designer knowledge and confidence in the correct application of loading codes and appropriate design of light gauge cold formed steel Industrial/commercial buildings.

There have been some major updates to the design of these structures over the last period and this seminar will look to provide a comprehensive update on all elements while covering a lot of the base information.

Particular focus will be applied to:

- Determination of site wind speed and software for assistance
- Purlin and girt design
- Portal frame analysis and design
- Roller door framing and door design requirements as per AS1170.2 (amendment 4 and AS1170.2 - 2020 draft).
- Connections for haunches and bases, including modelling.
- Footing design.

Sponsor



This is a must-attend event for those who wish to remove the stress of designing these wind sensitive structures! If you are an engineer, a builder or a certifier, you need to come along, inform yourself and be part of the journey towards more efficient outcomes!

Structure of presentation:

**Part 1 – (2-3 hours) webcast seminar followed by a live Q&A webinar with the speaker**

- **Loads** – Dead, Live and Wind, Local Pressure Factors, Software Demonstration and Design Example
- Overview of Portal Envelope Design and design example
- Cladding Design, Purlin and Girt Design
- Load Cases, Types of Analysis, Serviceability, Design Examples
- Critical design concepts – catenary forces

**Part 2 – (2-3 hours) webcast seminar followed by a live Q&A webinar with the speaker**

- **Portal Frame Design**
- Portal Columns, Rafters and Structural Braces
- Portal Connections, Bracing, Footings, Design Examples
- **Critical Elements of Design**

**Presenter**

**Tim Messer** is a professional engineer and Director of Northern Consulting Engineers with extensive experience in the design of light gauge steel buildings.

**Times**

- **Part 1 webcast seminar (video, audio & slides) available to view from 16 to 17 June**
- **Part 1 live Q&A webinar (max. 1 hour) with presenter at 11.00 am AEST on 18 June**
- **Part 2 webcast seminar (video, audio & slides) available to view from 23 to 24 June**
- **Part 2 live Q&A webinar (max. 1 hour) with presenter at 11.00 am AEST on 25 June**

Engineers viewing this webcast seminar may gain CPD points to meet Engineers Australia requirements.

**EA Members who are not ASI members** should email [membership@steel.org.au](mailto:membership@steel.org.au) with proof of membership to obtain the promotion code to access the EA Member reduced fee.

### Seminar Package

Two webcast Seminars –  
over 4 hours of content

Seminar Notes

Two live Q&A webinars with  
presenter

Seminar Fee (incl GST)

\$335 ASI Member

\$410 EA Member

\$480 Non-Member

**Registrations close on Wednesday 10 June**

Register online at: <https://www.steel.org.au/events-awards/events/>

For further details, please contact: Neil Creek – ASI National Manager, Steel Shed Group

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