

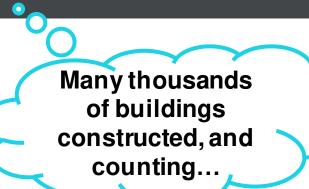
DEEPER LOOK INTO IBS FOR LIGHTWEIGHT STEEL FRAMING

Prepared by Mr Choo Chian Chee

28th August 2021



20 YEARS OF CONTINUOUS DEVELOPMENT, AND IMPROVEMENT.



ENDURO FRAME®











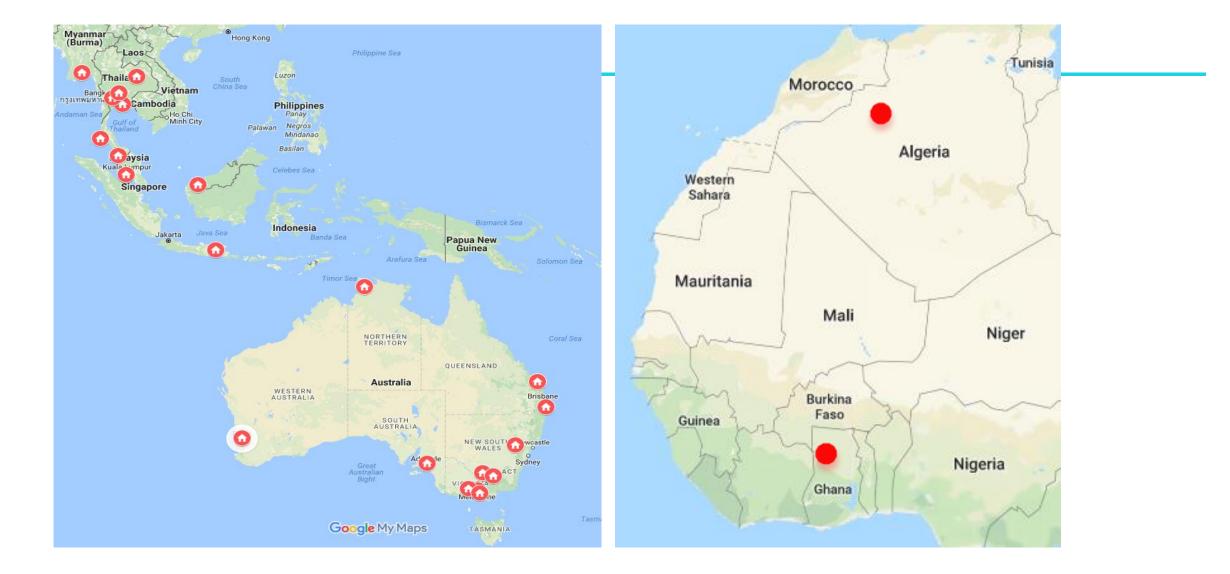


GROWING THROUGHOUT AUSTRALIA AND INCREASINGLY THE WORLD



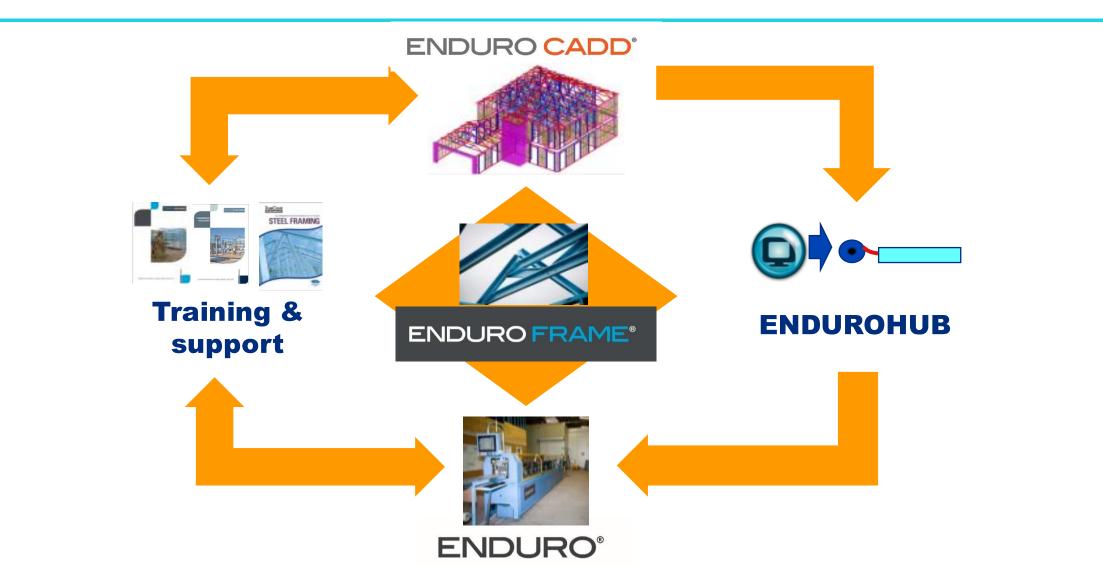
ENDUROFRAME® SYSTEM PROVIDERS







THE ENDUROFRAME® SYSTEM IS A COMPLETE LIGHTWEIGHT STEEL FRAME SOLUTION





ONE ROLLFORM MACHINE, TWO PROFILES!



- Ribbed profile adds 20% strength over unribbed
- · Used for trusses and studs

- Unribbed profile means no swaging of studs
- Used for plates, noggings, head and sills

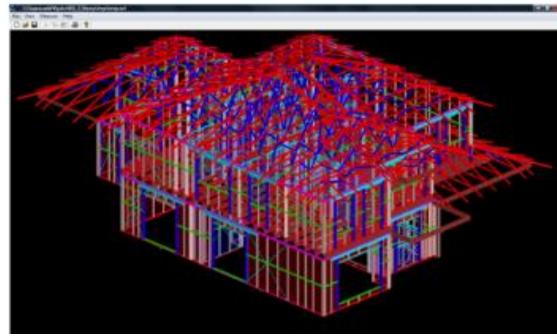
SOFTWARE IS THE KEY



• No specialist CAD skills required

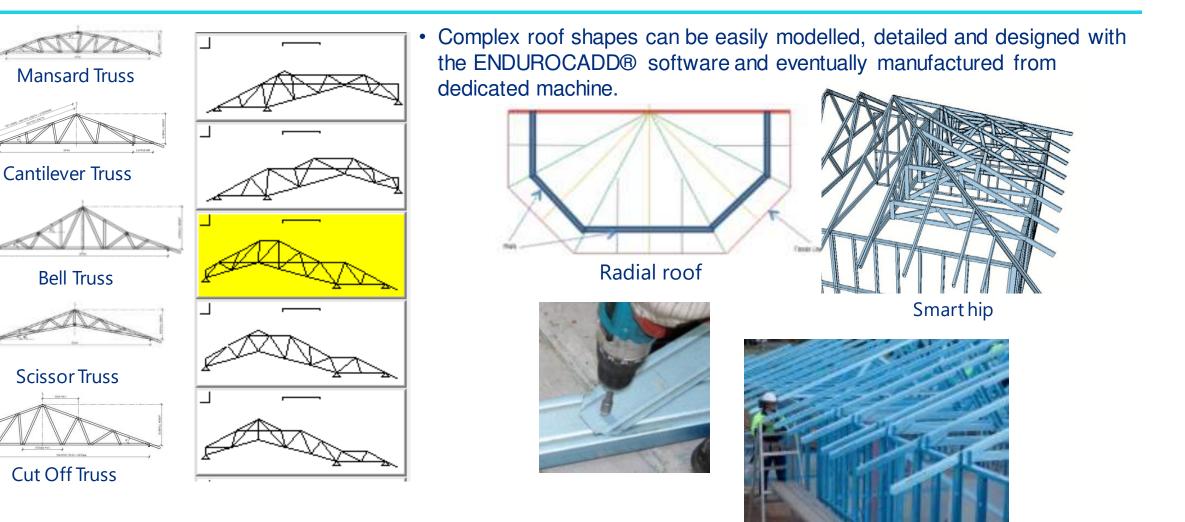
- Graphic interface ensures the users can see the completed frame components and their connectors
- 3D visualisation enables close inspection of all connections and blocks
- Software only model







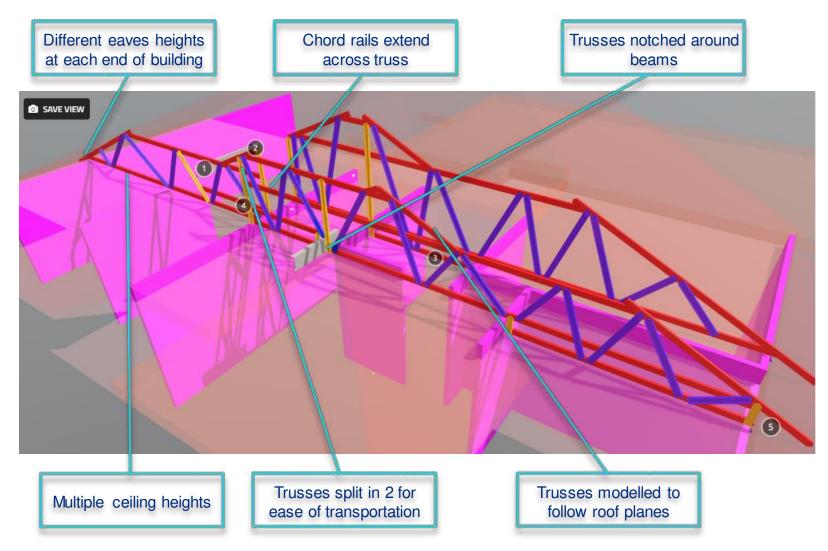
THE SOFTWARE ALLOWS GREAT DESIGN FLEXIBILITY TO MEET MODERN ROOF CONSTRUCTION...



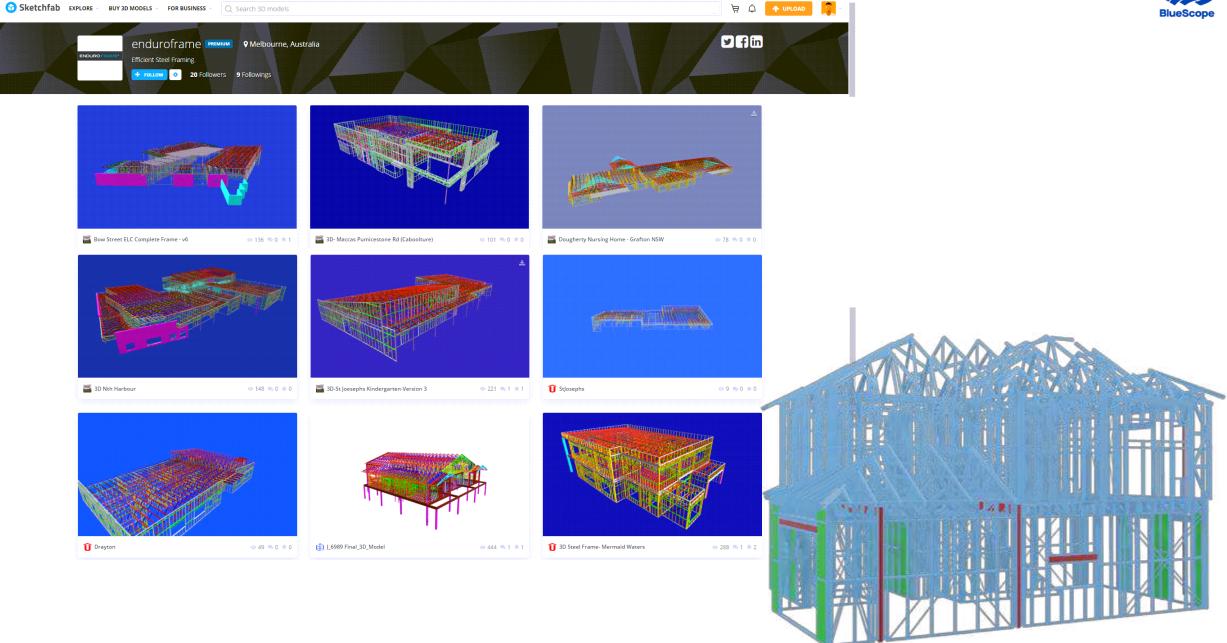


ENDURO

THE SOFTWARE IS SUITABLE FOR EVEN THE MOST COMPLEX ROOF DESIGN

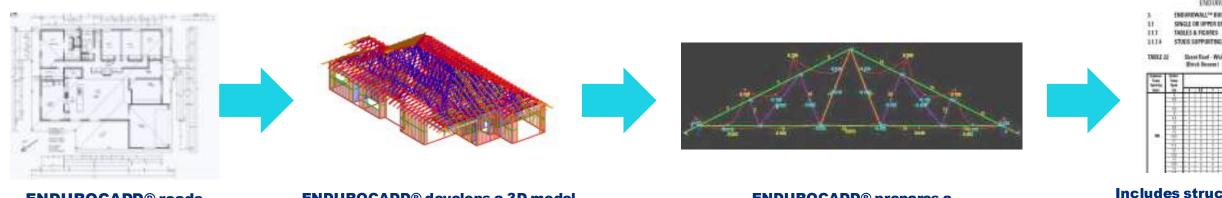








IT IS THE SOFTWARE BEHIND THE ENDUROFRAME® SYSTEM SET'S IT APART & DELIVERS AN EFFICIENT FRAMING MODEL

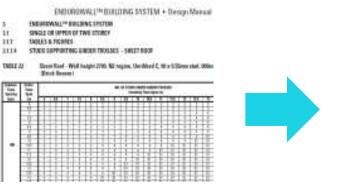


ENDUROCADD® reads the architectural plans ENDUROCADD® develops a 3D model of the house modelling all the steel framing components ENDUROCADD® prepares a structural analysis of the trusses following the selected loads.

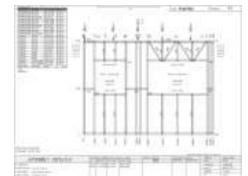
all other com



IT IS THE SOFTWARE BEHIND THE ENDUROFRAME® SYSTEM SET'S IT APART & DELIVERS AN EFFICIENT FRAMING MODEL



Includes structural design tables of all other components used in the frames.



Prepares the numeric control data for manufacturing and drawings





DetBluetor of Cotylines Decompt

ENDUROCADD¹⁸ Software Roof Truce Design and Wall Frame Bracing Design

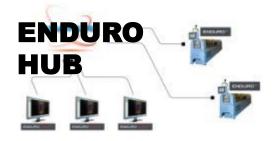
I setted is in cardity that the compliance issumment for \$10008006828" Suffrager front Trues Design and IVal Prome Bracing Design, debit March 2012 developed

Prepares the certification for the frames in lieu of an engineers certificate

Aurol 2012



IT IS THE SOFTWARE BEHIND THE ENDUROFRAME® SYSTEM SET'S IT APART & DELIVERS AN EFFICIENT FRAMING MODEL



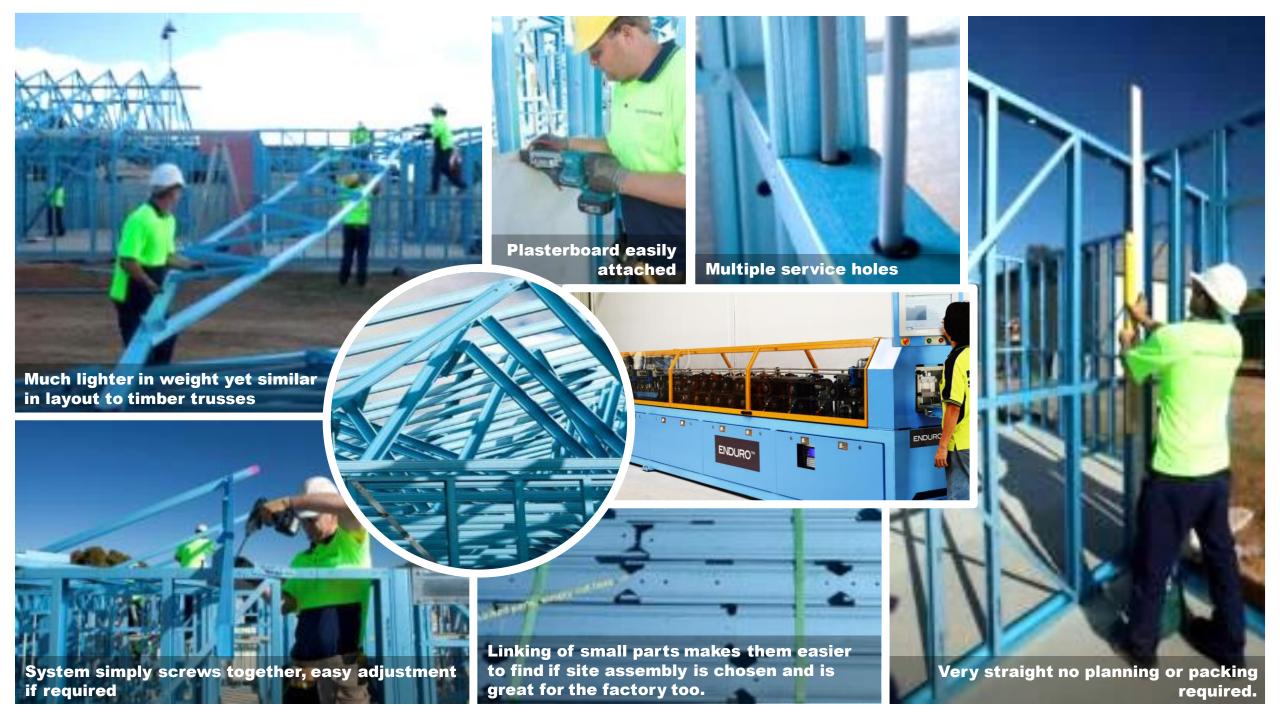
ENDUROCADD® integrates with ENDUROHUB to schedule manufacturing orders



... and runs the rollformers



... and ready for fabrication





ENDUROCADD® SOFTWARE: KEY FEATURES

- Complies with ABCB Protocol for Structural Software which means compliant projects can be self-certified
- ✓ Developed in Australia for Australian conditions and building requirements
- ✓ Tested by Australian builders, engineers & manufacturers
- ✓ Designed to integrate closely with ENDURO® rollformers
- ✓ Additional software licenses are low cost enabling simple expansion
- ✓ Able to import and export IFC (BIM) models
- ✓ Comprehensive modelling of parts and costing
- \checkmark 4 6 releases/updates per year
- ✓ Close collaboration with licensees to develop requirements