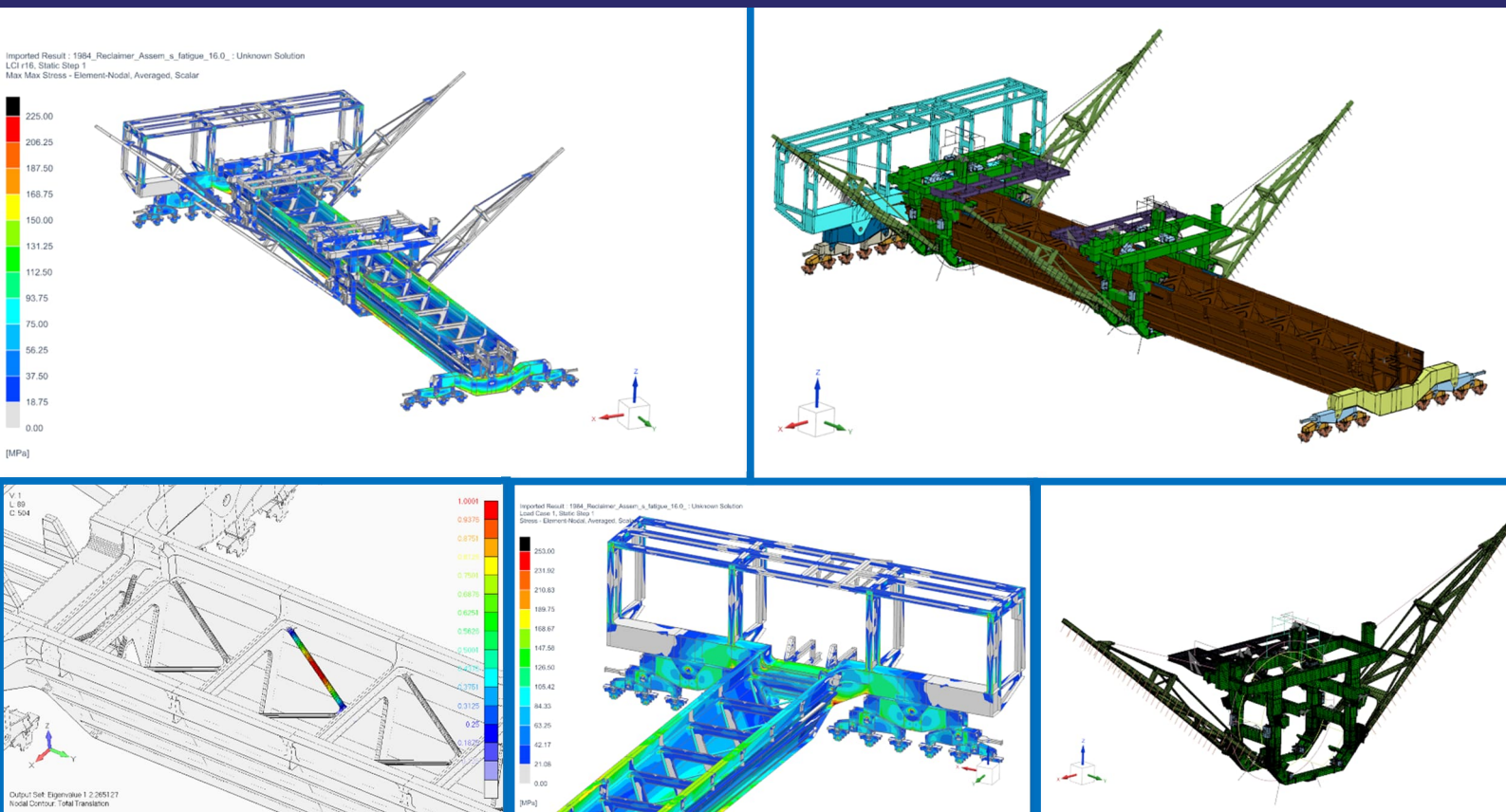


PROJECT OVERVIEW



Machine Audits

Western Australia

PROJECT OVERVIEW

Project Scope:

- EDC was engaged by MRL to conduct a Machine Audit for the following Machines:
 - Mine Reclaimer
 - Mine Stacker
 - Port Bridge Reclaimer
 - Port Ship-loader
- Develop a finite element model of the machine and utilise it to conduct a design audit to AS4324.1-2017.
- Ongoing design support for the OEM DHHI.

Challenge:

- An iterative design process meant high levels of collaboration required between client, supplier and auditor.
- Unique machine type being designed, limited learnings applicable from previous audits.
- Challenging design and fabrication timeline.

Success:

- Final design compliance.
- Machine design heavily optimised to improve fatigue life as much as practicable.

CLIENT: Mineral Resources

SITE: Onslow , Ken's Bore

DURATION: Jan 2022 – March 2023

