

Case Study

BALANCED MACHINES

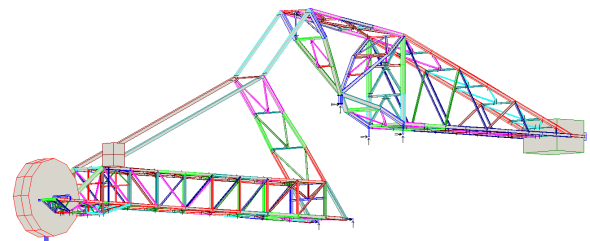
Remediate Corroded Stacker-Reclaimer



Remediate Corroded Stacker-Reclaimer

The issue

Adra was engaged to remediate a heavily corroded Stacker – Reclaimer, which was displaying considerable corrosion throughout the structure.



Stacker reclaimer FEA model

The solution

Adra audited the machine and conducted desktop engineering analysis to assess the damage and residual strength of the machine, to determine the required remediation. This led to the development of a detailed procedure to replace the critical corroded sections.



Stacker Reclaimer

The results

In addition to resolving the issue, the approach avoided the need for an expensive trestle to support the structure during remediation.