



Vibrating Screen Exciter Beam FEA

Pilbara, Western Australia

PROJECT OVERVIEW

Project Scope:

EDC was engaged to assess the fatigue life of multiple design iterations for the vibrating screen exciter beams.

This project included non-linear static Finite Element Analysis (FEA).

Challenge:

Develop a series of FEA models to determine the sensitivity to certain simulation properties for non-linear analysis (e.g. contact properties).

Success:

EDC was able to determine that the design options satisfied fatigue life criteria's, minimising the risk of fatigue failure during operation.

CLIENT: Schenck Australia Process

SITE: Marandoo

DURATION: 2018

