

**Submission title** | Click here to enter text.

**Product group/function** | Select.

**Business unit, site or location** | Hope Downs 4

**Department/s** | Click here to enter text.

**Nominated by** | Click here to enter text.

**Date** | 14/12/2018

**Is this CRM?** | Yes



Critical Risk Management  
**Protects your life**

**Priorities (select all that apply)**



**Safety** | Yes



**People** | Yes



**Cash** | Yes



**Partnership** | Yes



**Growth** | Yes



**Safety Improvement Type** | Elimination

**High 5 Team Members**

Name	Department	Leader Name	Shirt Size

**Headlines of achievement**

- 
- 
- 
- 

## Problem

Current task methods and the historical inadequate tool design used to lift conveyor belting for idler replacement. Inherited risks such as tool failure, working under suspended loads, mobilising of the heavy tooling generates high risk of injury through manual handling and tooling can be used beyond its safe design lifting limits hence the consistent failure.

## Solution

TECHMINE SOLUTIONS

Together using their certified smart belt lifting product and their vision to see each conveyor on site fitted with lifting beams designed to lift both the carry belt and the return belt simultaneously safely without fear of lifting beyond design limitations and the ability to secure the load when raised.

## Benefit/Results

Ultra-light weight design and fabrication.

Designed and built to fit the profile of the belt and its load limits.

Ability to lift both carry belt and return belt with counter weight connected.

Multi lock off points to secure load whilst working under belt.

Hydraulic pressure by-pass as not to exceed safe load limit.

Techmine pressure gauge giving the user an indicator of the weight be lifted.

Lightweight portable battery-operated hydraulic pump.

Beams placed at fixed locations at the top of each incline conveyor reducing MH.

Exposure of 9 frames each side of lifter achieved.

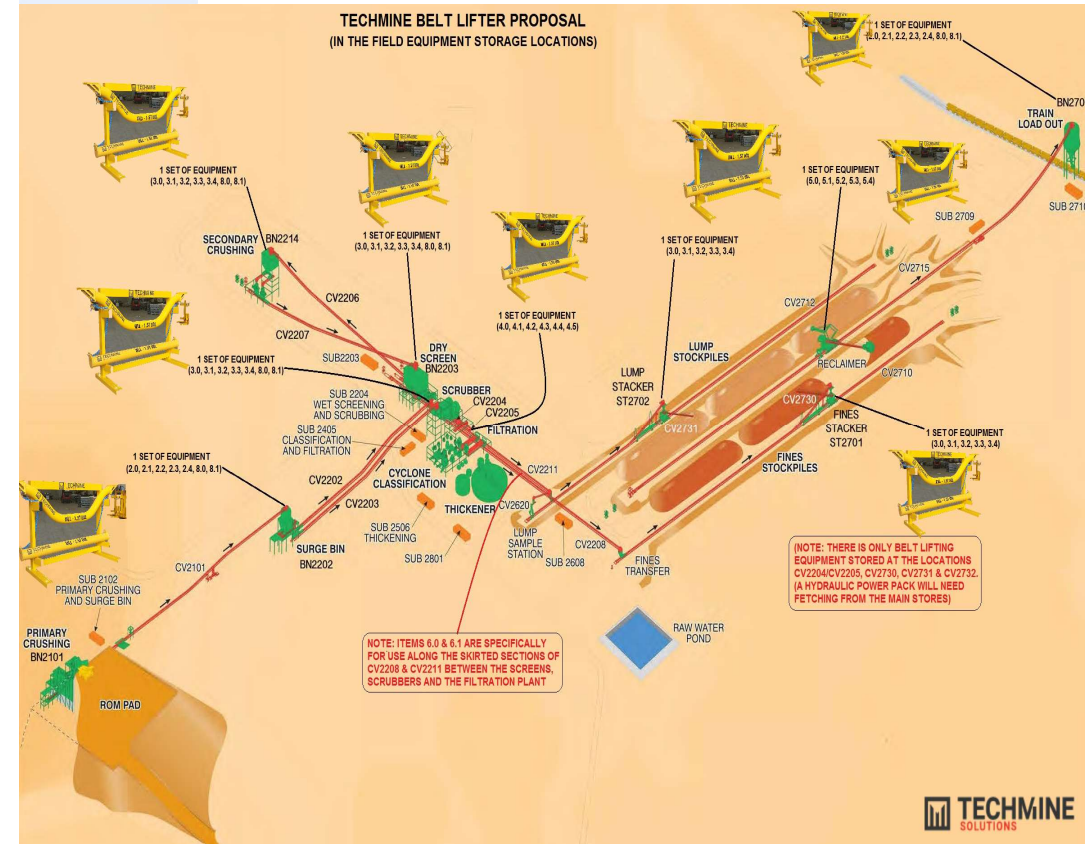
40 frames tented and exposed when using 2 lifters in conjunction.

Simple & Quick to assemble and operate.

Training programme both onsite and at their Perth offices.

Hydraulic cylinders come in Pelican hard case for safe storage.

Positive feedback from maintenance crew.



Save file - then click here to send