

# CASE STUDY

**Product:** ERX fastening system  
**Commodity:** Iron Ore  
**Country:** Australia  
**Technology Groups:** Screening Media  
**Companies:** Multotec Australia



**MULTOTEC**

## New screen fastening system supplied to an iron ore mine in Western Australia

### Background:

Facing issues with panel life span, the customer requested Multotec to develop a new, innovative screen fastening system.

### Multotec's solution:

After a successful initial trial, our screening media eliminated panel failure caused by the panel locking mechanism dislodging. This was incurring unplanned shutdown, leading to premature replacement of panels and fastening systems.

In addition, Multotec also improved change out predictability with our patented wear indicator system, during inspections conducted at 10 weeks to verify 21-week change out cycle, without any risk to site planning.

### Key Project Outcomes

- 3 x longer life
- Increase MTBF
- Reduced maintenance-related downtime
- Increased plant availability
- Reduced consumables spending

### Cost evaluation:

Scalper Screen	Cost per screen	Change out per year approx.	Number of screens	Total annual saving
Previous supplier	Aus\$ 115 000	6	3	Aus\$ 2 070 000
Multotec	Aus\$ 115 000	2	3	Aus\$ 690 000
<b>Total Savings</b>				<b>Aus\$ 1 380 000</b>