

BHP Eastern Ridge – ERX System

Region: Australia

Technology Groups: Screening Media

Companies: Multotec Australia

- New screen fastening system supplied to BHP Eastern Ridge

Background:

Facing issues with panel life span, BHP Eastern Ridge 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

- ◆ 3x 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 yearly |
|-------------------|-----------------|-----------------------------|----------------------|--------------------|
| Previous supplier | \$115 000 | 6 | 3 | \$2 070 000 |
| Multotec | \$115 000 | 2 | 3 | \$690 000 |
| | | | Total Savings | \$1 380 000 |