

# BHP COAL - BMA SARAJI MINE RADIAL STACKER REPLACEMENT Design - Construct Project



## KEY FEATURES

- 1,500 t/hr product coal radial stacker, 60m radius, 1.4m wide 3m/sec conveyor
- Withdrawable slewing & luffing jetslinger (240° slew; 20-50° luff) c/w wrap around maintenance platform and 1t electric hoist to service belt
- Innovative maintenance minimisation and mgt features; eg fixed accelerometers on jetslinger and take-up pulley brgs for remote condition monitoring; auto-lube system
- Replaceable element triple planar movement pivot bearing system

## OVERVIEW

When the previous stacker suffered a catastrophic pivot bearing failure BHP asked for conceptual solutions while they arranged for temporary stackout capacity. We were able to offer a radically improved but very economical design that re-used all of the existing stacker components that were worth saving. Our great value proposal was quickly accepted and we had the new stacker operational with a 15 week design, construct and commission project.

Despite the extremely compressed timeline, our stacker has performed well from day one, unlike a second stacker installed later by others which failed structurally on commissioning as part of a major washery upgrade. It was recently confirmed that, 20 years on, our stacker was operating well and is easy to live with—yet another example of the deep experience we bring to all our projects. The only issue was with wear rates of the BHP supplied long travel wheels—which we immediately advised the correct solution for.

Refer to: [www.iput.au/projects/sar-rad](http://www.iput.au/projects/sar-rad) for more details

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