



Utilities & Infrastructure



PRACTICAL[®]
ENGINEERING

PORT OF BRISBANE QCE HARDWOOD EXPANSION

As part of their expansion into the export of hardwood woodchip, Queensland Commodity Exports (QCE) engaged Practical Engineering to design a new reclaim conveyor within the Port of Brisbane industrial precinct. Practical Engineering, in partnership with Brimar Electrical, provided a complete design solution for QCE that would allow them to increase their out loading capacity while reducing costs associated with temporary equipment.



In collaboration with Brimar, Practical Engineering designed, manufactured, installed and commissioned the new conveyor at QCE with Practical's in-house design and projects team able to successfully convert the client's performance requirements into a complete turn-key materials handling solution. The new conveyor provides QCE with an efficient, reliable and permanent means of doubling its stockpile reclaim capacity to streamline ship loading for export to international markets.

With a maximum capacity of 800tph, this significantly reduces the amount of time the vessel is berthed reducing maritime costs. QCE now have a fully automated system with increased safety, reliability and performance.

Services and outcomes delivered:

- Detailed structural and mechanical conveyor design
- Fabrication of conveyor structure
- Installation of conveyor
- Maintenance Manual
- Commissioning
- Application of extensive knowledge of Materials Handling systems

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