

Capability Statement



2007 Australian Bulk Handling Awards winner

We specialise in the optimisation of materials handling systems. Our field-based experience and technical knowhow delivers outcomes that are measured by improvements in system availability, throughput, flexibility and reduced costs.

Our services include optimisation studies, conceptual designs and costing, and complete engineering. We can also provide turn-key project delivery of infrastructure and specialised equipment. Complimentary activities include operational readiness and project management.

MHO Infrastructure fosters collaborative and creative work environments. We are client focused and strive to provide our clients with a competitive advantage.

The majority of the work we do is application specific. We enjoy delivering innovative and practical solutions that overcome the most challenging operating constraints. We deliver reliable, fit-for-purpose, and maintainable outcomes in our designs. Our motivated team understands the importance of achieving positive health, safety, and environmental results in all that we do.

Our approach is to engage with the right people to ensure we understand the required outcome. We investigate the specific nature of each project, its required business outcomes, and our client's expectations to get a clear project definition. During project execution, we work to deliver that intent within budget and on time.

We think outside the square and consider whole-of-system implications. This includes opportunities for potential future plant upgrades or enhanced system flexibility, so what we do today enables future improvement. We generate and articulate innovative design ideas.

We place a strong emphasis on total cost of ownership and understand that a project's success requires the alignment of safety, commercial, and social responsibilities.

Our people are very experienced with materials handling operations, maintenance, and project delivery in the resources sector. A measure of our success is the level of collaboration we have with resources companies, processors, power stations, port operators, and their engineers.

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Our team has ten decades of experience in solving bulk materials handling problems at various locations around the world. Involvement in different operations means if it's: a conveyor system at a power station in South Africa; a bunkering belt in Ontario; a diversion system at an Australian port; or the doubling of belt speeds at a shipping plant in Indonesia, the MHO Infrastructure team has the right experience.

This experience includes project managing tight timeframe outages in brown field mine, port and power plant operations. We understand planning, scheduling and execution of works on time and with minimal disruption to operations, is business critical.

Michael (Charlie) Charlton has an impeccable reputation as a designer with an intimate understanding of material flow behaviour, as well as whole-of-conveying system design. Charlie was the technical director for Flexco's Tasman-Warajay Technology. Charlie has lead and detailed greenfield and brownfield conveyor transfer system design at mines, ports and power stations on the east and west coast of Australia, in Canada, the USA, Indonesia, and Africa. In collaboration with an experienced design team, Charlie leads the conceptual and engineering design of MHO Infrastructure materials handling equipment.

Michael (Mick) Wordsworth has spent the last ten years providing consulting services to Australian ports, generally in owner's team roles associated with major port expansions, or resolving materials handling issues. During this period, Mick has established a reputation for problem solving and meeting challenging construction targets. In 2007, Aspec Engineering and MHO jointly won the Australian Bulk Handling 'Transport and Conveyor Technology Award' for conveyor designs conceived by Mick. Between 2003 and 2005, after the sale of Tasman-Warajay, Mick worked in Chicago as Technical Manager for Flexco's transfer system division. Mick was the co-founder and Managing Director of Tasman-Warajay for a period of ten years.

Bernie Halpin is an experienced professional mechanical engineer who started his working life as a graduate in a Bowen Basin coal mine. Over the past 30 years Bernie has accumulated extensive hands-on experience in various maintenance, operating, project, and senior management roles at mines and ports. This experience included being the Engineering Manager for Queensland's seven bulk sugar terminals as well as Operations Manager for the Brisbane and Bundaberg terminals. In addition to an intimate understanding of end user maintenance and operating issues and business drivers, Bernie has corporate experience in a design and manufacturing environment as Managing Director of Tasman-Warajay and as a Director of Flexco Australia.

This senior group has extensive experience in bulk materials handling, project management, business management, and works closely with clients who trust us to respond to their requirements from the concept stage to completion.











