

# Bulk Material Handling

We ensure a smooth transfer to and from bulk terminals through our vast experience in large port handling equipment.



**RWE**

Powering. Reliable. Future.



## Summary

We provide services for the global resource industry in open cast mines. Our mining expertise covers minerals and solid fuels and spans exploration, development, operations and rehabilitation. We draw on the extensive operation and engineering knowledge as well as the practical experience of RWE's own operating mines totalling an annual production of 120 Mt of lignite and 600 Mbcm of overburden.

## Our Services

RWE can provide comprehensive engineering, specification and project management expertise for all aspects of large port handling equipment inspections:

- Due Diligence
- Conceptual, Feasibility and Bankable Studies
- Environmental Impact Assessment
- Project Development and Implementation
- Tendering, Procurement and Contract Administration
- Mechanical and electrical inspection of large mining equipment as well as ship loader/unloader
- Engineering Advisory Services
- Construction Management/Commissioning Supervision
- Operational Engineering and Consulting
- Technical Training
- HSQE Consulting
- Design reviews and technical audits
- Safety and risk assessment, including HAZOP studies
- Reliability, Availability and Maintainability analysis (RAM)
- Maintenance management

## Your Benefits

- Independent inspection service and status of your port equipment
- Recommendations on most cost effective operational improvements
- Insights on how to prioritize and budget accurately for the implementation process
- Risk reduction and efficiency improvement followed by competitive advantage for you

## Our Expertise

- More than fifty years of experience in international mine heavy equipment engineering
- Vast operational know-how based on RWE's own heavy machinery operations which can offer substantial value to external customers
- Vast experience in environmental control measures on large scale bulk materials handling equipment
- Unique experience in continuous and in pit crushing mining technology including own laboratories and facilities
- Highly qualified specialists in bulk material handling with a vast experience in any type of equipment, systems and operation modes

## Key Projects

- Inspection of two Iron Ore Ship Loader for a major equipment manufacturer in South Africa
- Inspection of two Hard Coal Grab Ship Unloader and maintenance schedule optimization for a major power utility in South China
- Inspection of two Continuous Hard Coal Ship Unloader and maintenance schedule optimization for a major power utility in South China
- Inspection of Hard Coal Ship Loader and maintenance consulting for a major coal mine operator in Indonesia