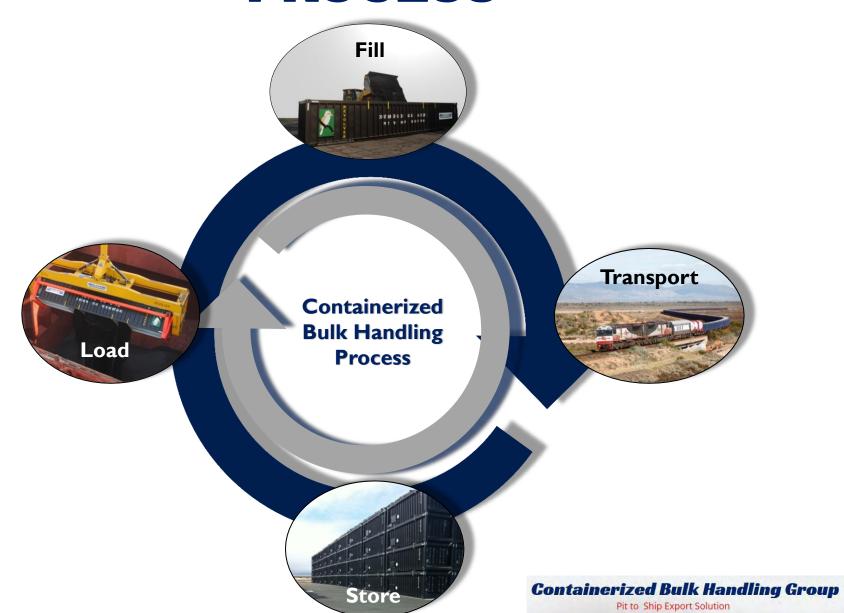








PROCESS







AN INNOVATIVE SOLUTION

Uses Ships Crane to handle bulk containers





SYSTEM SPECIFICATIONS

- 40 tonne ships gear
 - **8** tonne revolving spreader
 - **3** tonne box
- 29 tonnes of copper concentrate

Cost \

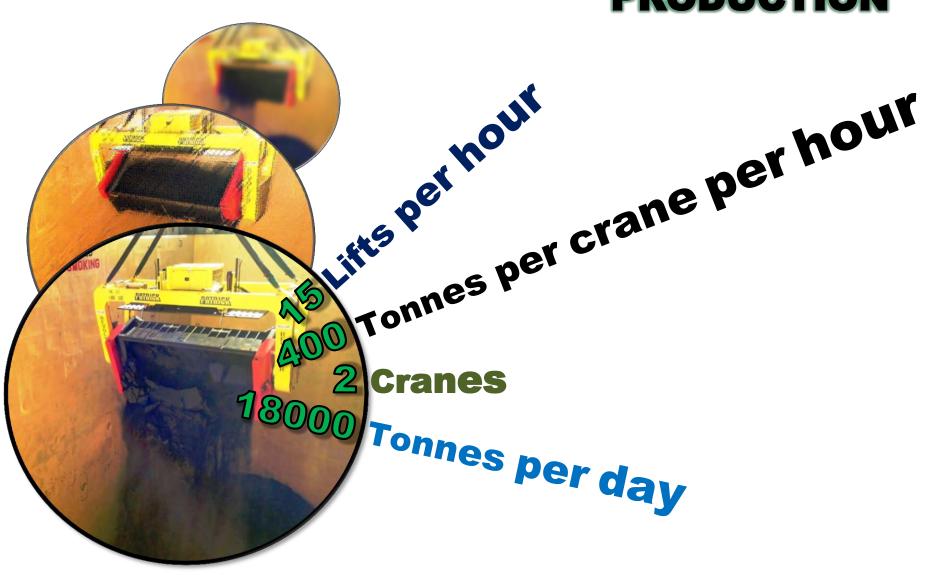
Dust free ✓







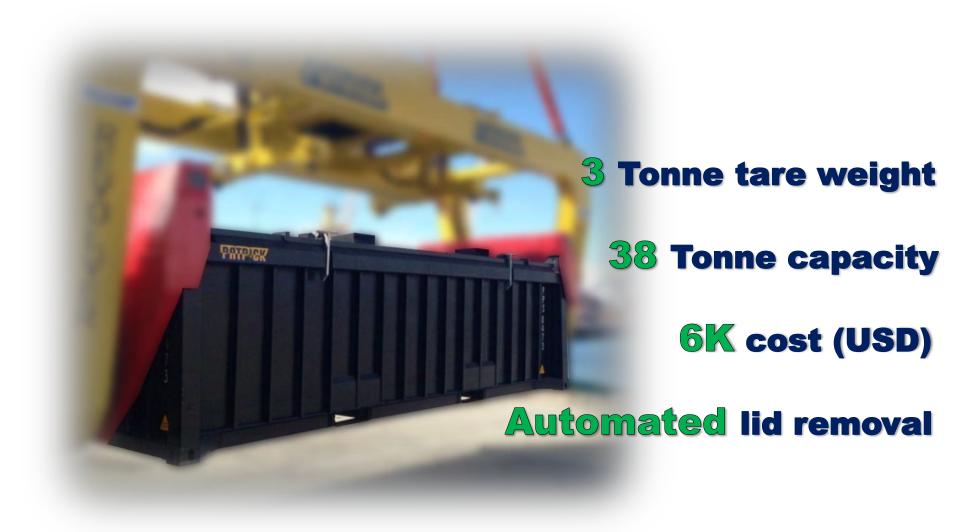
PRODUCTION







CONTAINER SPECIFICATIONS







"Patrick was able to utilize this new revolving spreader technology to export copper concentrate for our client with very little capital"

"....Our Client was extremely pleased with the dust free solution"



Adrian Howard
Commercial Director





CAPITAL COMPARISONS

Existing Bulk Loading Infrastructure







Capital Cost = USD150-250 million





CAPITAL COMPARISONS

Containerized Bulk Handling Costing Capital

MHC Model

Cranes x 2 = USD\$8,000,000

Containers x 30 = USD\$ 300,000

• CHE = USD\$ 500,000

Revolvers = USD\$1,500,000

= 10 million

Ships Crane Model

• Revolvers x 2 = USD\$ 800,000

Misting System = USD\$ 200,000

Container = USD\$ Leased

Fork Truck = USD\$ Leased





PROVEN IN OPERATION

IMX crosses 2m-tonne export milestone

BUSINESS EDITOR CHRISTOPHER RUSSELL - THE ADVERTISER - JULY 05, 2012 11:24AM COOBER Pedy iron miner IMX Resources has passed a milestone two million-tonne mark for exports.

The company has gone on to load a record 85,140 tonnes at Port Adelaide aboard the Trans Hangzhou which departed

"Thanks to the efforts of our broker, Probulk in Singapore, and operator Cargill, we managed to locate a uniquely sized vessel that fitted the requirements of Port Adelaide," IMX logistics manager Mark Hoepfl said. "We have shipped over two million metric tonnes to date and we

usually average approximately 75,000 metric tonnes per vessel.

"Our previous record was 80,471 metric tonnes, making this a landmark shipment," Mr Hoepfl said.

The ore – a unique blend of iron and copper – is from IMX's Cairn Hill mine southeast of Coober Pedy.



IMX Resources' logistics manager Mark Hoepfl with a cargo ship bound for China.





PATRICK PORT KEMBLA FACTS







CONTAINERIZED BULK PROCESS

Loading commodity



Land Transport









With Revolver®



Load Ship at Port Lift from Storage













MINERS PERSPECTIVE

"Environmentally it is a very clean system due to containers being emptied directly into the ship's hold thereby minimizing a number of dust generating points"

"...Loading rates of 15,000 wmt/day being achieved are such that it helps to minimize shipping costs"



Jim Smith North Parkes Mine







CONTAINERIZED BULK HANDLING BENEFITS



√ Flexible Berths – No fixed bulk berths



√ Fast to start



√ No dust



√ Low cost





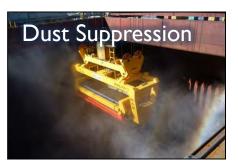


EQUIPMENT – INTERGRATED APPROACH

















DUST FREE









MATERIALS HANDLED LOAD & DISCHARGE

Grains Wood Chip · Coal Iron Ore Mineral Sands Copper Concentrates Scrap Metal Bagged Material Soya





















SYSTEM BENEFITS

Cost

Lower set up costs (No conveyor, ship loaders, storage sheds)

Environmental

- Zero dust, no clean up
- Best practice by EPA with fast approval

Safe & Fast

Virtually man less operation with loading rates of 1700 TPH per crane

Proven & Reproducible

• Providing a simple proven turnkey solution to exporters





JOIN THE REVOLUTION







Companies

- Exxaro
- Grinrod
- DP World
- Eletheni/ SNR
- BHP B
- Oz Minerals

- Hillgrove Copper
- Transnet
- FQML
- TPR Argentina
- Patrick
- Ironclad





"not often do you get a solution "not often do you get a solution best cost but also the that is the lowest cost but also the lowest cost but also the that is the lowest cost but also between the lowest cost but also between

Thank You

Contact us sales.uk@ramspreaders.com