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H1 FY19 Key Headlines



Our most significant building year since inception

- 1 Sold 50% of Wodgina to Albemarle
- Extensive progress made on Wodgina
 Spodumene Plant and Non Process Infrastructure
- 3 All-in 6% upgrade at Mt Marion 450ktpa
- 50:50 JV with Brockman at Marillana Iron Ore Project
- 5 Acquisition of Cliffs Yilgarn Iron Ore Project

- 6 Acquired Kumina iron ore deposits
- Completed detailed design of Bulk Ore Shuttle System (BOSS); 3rd party design verification underway
- Carbon fibre dump approved for on-site testing at Koolyanobbing
- 9 Hydrogen/synthetic graphite test plant

H1 FY19 Financial Performance



Revenue \$554.7m H1 FY18 ↓ 35%	Diluted EPS 7.2cps H1 FY18 ↓ 92%	Сарех \$494.2m н1 FY18 ↑ 598%
EBITDA (reported)¹ \$71.7m H1 FY18 ↓ 80%	Dividends Declared 13cps H1 FY18 ↓ 48%	Net Assets \$1.237b H1 FY18 — 0.0%
NPAT (reported) ² \$13.1m H1 FY18 ↓ 92%	Operating cash flow \$21.6m H1 FY18 ↓ 90%	Return on invested capital ³ 9.8%

Notes

^{1.} Normalised EBITDA of \$102m excludes fair value adjustments for Pilbara Minerals (PLS) investment – a loss of (\$30.3m) for the period ended 31 December 2018 (in pcp this was a gain of \$93m)

^{2.} Normalised NPAT of \$34.3m excludes after tax adjustments for Pilbara Minerals (PLS) investment

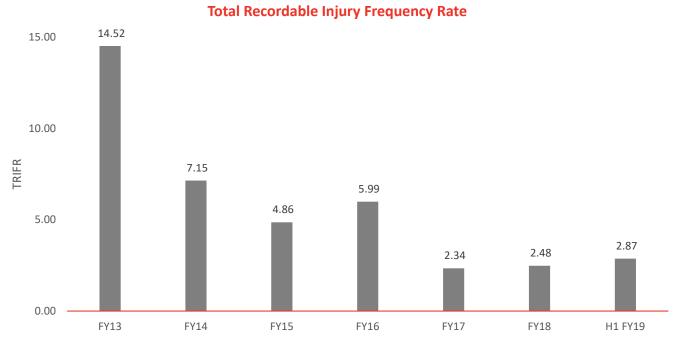
^{3.} Rolling 12 months to 31 December 2018

Occupational Health & Safety



We have sustained industry leading safety performance for the second consecutive year TRIFR <3.0 and LTIFR <0.5

TRIFR of 2.87¹
LTIFR of 0.29²
Total employees: 3,399³



Safety Initiatives

- 52% increase in front line leaders qualified in safety management MRL Steel Cap Programme
- Enhanced safety induction
- Implemented mobile real time reporting for lead safety indicators

Company Culture

- In-house team dedicated to managing culture
- We provide secure long-term employment founded on respect and trust

Notes

- 1. Total Recordable Injury Frequency Rate calculations measure the total number of injuries (excluding first aid) per million hours worked as at 31 December 2018
- 2. Lost Time Injury Frequency Rate calculation measure the number of lost time injuries per million hours work as at 31 December 2018
- 3. Total employees as at 31 December 2018

Environment – Clean Energy Initiatives



We remain focused on reducing our reliance on diesel fuel

- Natural gas
- LNG
- Battery storage
- Hydrogen

Emissions Reduction Initiative	Reduction in carbon emissions compared to diesel (tpa)
Mt Marion: 11.2MW LNG gas fired power station	2,760t CO ₂
Mt Marion Battery Energy Storage System (BESS) ¹ : Requires 1 less gen set & achieves 12% reduction in fuel usage	1,380t CO ₂
Wodgina: 64MW natural gas fired power station	25,094t ² CO ₂
Solar panels: 2,700 installed on Perth facilities	981t CO ₂







Note:

^{1.} Battery Energy Storage System (BESS) is an ABB registered product name

^{2.} Based on Wodgina load requirements of 40MW

Environment – Tailing Storage Facilities



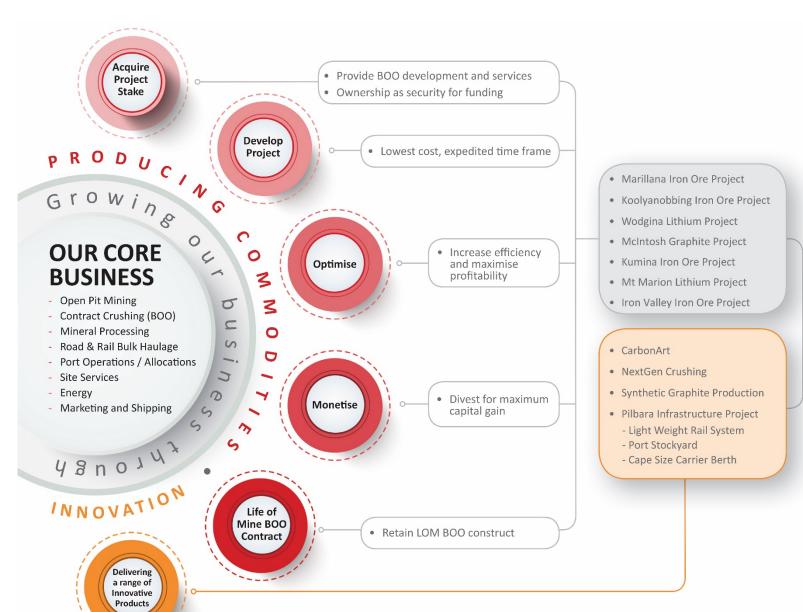
MRL has no tailing storage facilities with the exception of:

- Mt Marion: Tailings are disposed below ground in a disused mining pit
- Wodgina:
 - Recently completed construction of 3Mt tailings storage facility
 - MRL engaged a specialist tailings storage engineering company to:
 - provide tailings storage facility engineering and design
 - perform continuous on site inspection and verification services during construction
 - provide final certification that construction of facility is fully compliant



Our Business Model





Partner Benefits

Financial

- Project delivered quickly, on time, on budget
- Lowers Opex

Innovation

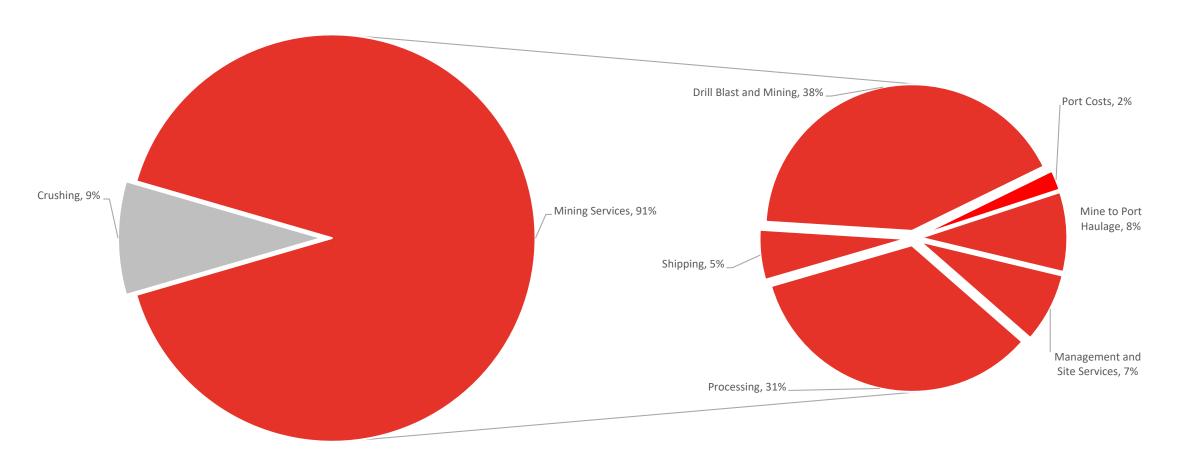
- Access to MRL innovation
- Lowers Opex and increases value

Evolution of Mining Services Business Model



Traditional Business Model

Profit Share Business Model



FY18 Crushing Revenue \$AU193m

FY18 Profit Share Projects Revenue \$AU871m

H1 FY19 Mining Services Performance



Crushing

- 6Mt crushing contract commenced at Koolyanobbing
- Pilgangoora NextGen plant operating to design expectations

Construction

- Bulk of construction on Wodgina spodumene project undertaken
 - \$330M in capex
 - Peak construction workforce of 600
- Completed construction of Mt Marion all-in 6% upgrade
- Commenced commissioning

Energy

- 6,600 square kilometres of exploration tenements in the Perth Basin
- Progressed exploration and approvals for drilling targets

Mining

- Total Material Moved: 28.6Mwmt
- 21 diggers
- 78 dump trucks
- Mine design & planning commenced at Marillana

Site Services

- Koolyanobbing: life-of-mine agreement
 - 400 rooms
- Wodgina: life-of-mine camp and airport services agreement
 - 850 rooms

Supply Chain Logistics

- 5.7Mwmt Ore Hauled
 - 0.5M by rail
 - 5.2M by road train
- 4.6Mwmt total shipped
- Recommenced Yilgarn rail operations & commenced exporting from Port of Esperance

H1 FY19 Commodities Performance



Lithium

Mt Marion

- 186kwmt spodumene concentrate delivered
 - 138kt of 6%
 - 48kt of 4%
- average price of A\$1,204.90 / wmt achieved
 - A\$1,341 / wmt for 6%
 - A\$753 / wmt for 4%
- Average cost of A\$594.20 / wmt CFR for all tonnes shipped

Iron Ore

Koolyanobbing

- First shipping commenced in Dec 2018 with 300Kt exported
- A\$81.10 average price / wmt achieved
- A\$83.50 CFR cost / wmt shipped during start up phase

Wodgina

- 420kwmt of DSO shipped
- DSO operation shut down

Iron Valley

- 3.7Mwmt shipped
- A\$63.96 average price / wmt achieved
- A\$63.21 CFR cost / wmt shipped

Motos

- Revenue / wmt shipped figures include prior year revenue adjustments from finalization of forward contract pricing based on the Platts Index for FY18 shipments, and adjustments to shipping revenue for the application of AASB15 due to the timing of shipments reaching their destination ports.
- CFR Costs / wmt shipped figure includes adjustments to shipping costs for the application of AASB15 due to the timing of shipments reaching their destination ports.
- Costs include all costs to shipment destination, including mining infrastructure service agreements with MRL Group entities and Royalties, excluding depreciation and amortization





Where we are going in H2 FY19

H2 FY19 Mining Services Outlook



Crushing

- Approx. 35Mt of new crushing volumes being negotiated or tendered
- Discussions to double output at two of our existing sites

Mining

- Ramp up to full mining operations at Koolyanobbing
- Mobilise to Wodgina for mine startup



Construction

Wodgina

- Complete construction
- Commence commissioning

Mt Marion

- Complete commissioning
- Ramp up to name plate capacity
- Upgrade bore fields & workshop





H2 FY19 Planned Commodities Production



Lithium

Mt Marion

- Produce 232kwmt made up of:
 - 216kt of 6%
 - 16kt of 4%
- Export +200kwmt made up of:
 - 189kt of 6%
 - 15kt of 4%
- Expect to meet name plate capacity during Q4 FY19 (450kdmt per annum)

Iron Ore

Koolyanobbing

• Export: 2.9Mwmt

— Lump: 1.3Mwmt

— Fines: 1.6Mwmt

• Annual Run Rate: 6Mwmt per annum

Wodgina

- Production: approx. 70kwmt spodumene
- Export: 60kwmt

Iron Valley

- Export: 3.6Mwmt
 - Lump: 1.2Mwmt
 - Fines: 2.4Mwmt
- Expect discounts for quality and impurities to continue

H2 FY19: Wodgina Lithium Project Update



Construction Progress

- Crushing Plant:
 - Complete construction
 - First ROM ore into crusher on 22 February 19
- Train 1:
 - Commence commissioning February 19
 - First ore mid-March 19
- Train 2:
 - Commence commissioning April 19
 - First ore May 19
- Train 3:
 - Commence commissioning June 19
 - First ore July 19
- ~ 8 weeks per train to go from 0 to 80% nameplate capacity
- Power station complete
- Commence commissioning 10 inch gas pipeline April 19

Albemarle Joint Venture

- Wodgina sell down subject to:
 - Australian Foreign Investment Review Board approval
 - China State Administration for Market Regulation approval
- Preparing for JV operational readiness



Lithium Hydroxide Plant

Aim to complete majority of design by June 19

H2 FY19: Mt Marion Lithium Project Update



6% Upgrade Project

- Commenced commissioning of flotation plant January 19
- On target to achieve first product March 19
- Upgrades to bore fields and workshops complete
 June 19

RIM Joint Venture

- All product now shipped out of Esperance
- Transition to 50:50 JV with Ganfeng through buy out of Neometals shareholding¹



CY19 Primary Focus



- 1 Complete the construction at Wodgina and achieve name plate production of 750kt
- Complete sale of 50% interest in Wodgina Lithium Project to Albemarle and commence JV operations
- 3 Complete Mt Marion construction and achieve name plate production of 450kt
- Complete installation and operation of 4.2km Bulk Ore Shuttle System demonstration track
- 5 Deliver crushing opportunities





Project Pipeline

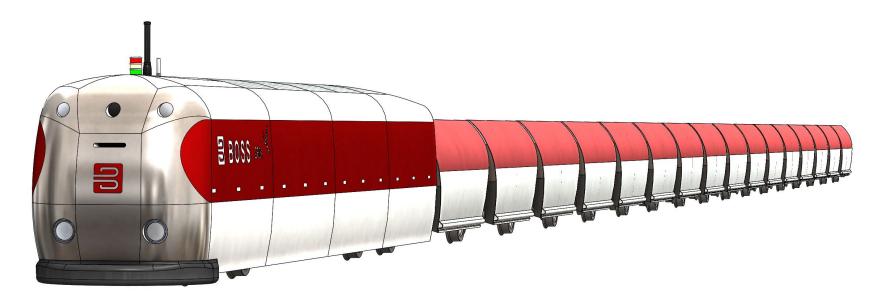
- 1 Bulk Ore Shuttle System
- 2 Marillana & Kumina Iron Ore Projects
- 3 McIntosh Graphite Project
- 4 Carbon Fibre & Synthetic Graphite Projects

Bulk Ore Shuttle System – (BOSS)



A New Era of Haulage

- Extremely important addition to MRL's long-term mining services business; will generate long-term annuity earnings
- BOSS company is JV between MRL & Destec
- BOSS will connect:
 - stranded ore bodies to existing mining hubs
 - deposits to ports
- Technology will be marketed on a build, own, operate basis in conjunction with MRL crushing business

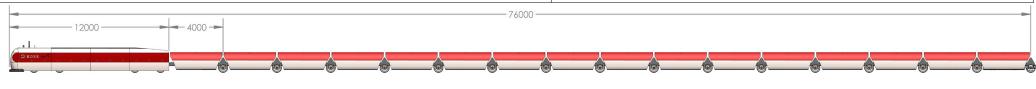


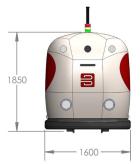
Bulk Ore Shuttle System – (BOSS)



Overview of Shuttle Specification

1 ≥16
≥16
≥7.5 t
4
2
90 km/h





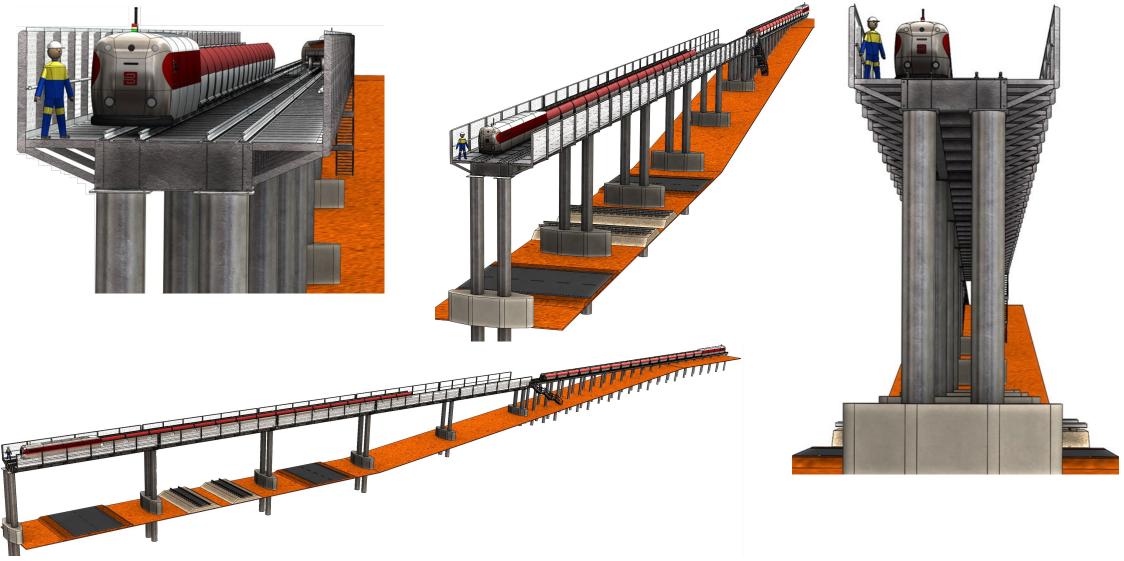




Bulk Ore Shuttle System – (BOSS)



Overview of Track Infrastructure



Iron Ore Project Update

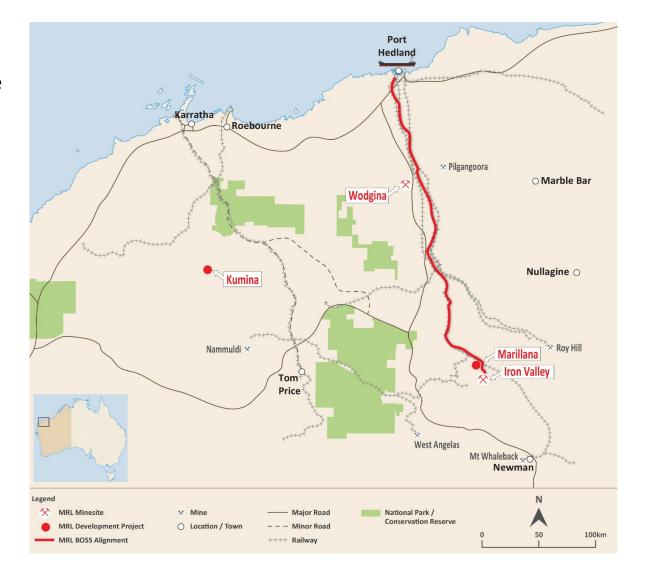


Marillana Iron Ore Project

- Farm-in and Joint Venture Agreement unconditional¹
- JV to build, own, operate mining, crushing, processing & site infrastructure
- MRL to build, own and operate the rail and port infrastructure for life of mine

Kumina Iron Ore Project

- Completed the acquisition of Kumina Iron Ore Project²
- Continuing substantial exploration with substantial targets identified
- Progressing all environmental and planning approvals
- Inferred Resource 78.3Mt @ 59.1% Fe³
- Operations expected to commence within approx. 2 years



Notes:

2. MIN ASX: 21 December 2018

3. BCI ASX: 28 June 2018

^{1.} MIN ASX: 22 January 2019

McIntosh Graphite Project



- Joint venture agreement¹ finalised
- Current resource stands at 21.3 million tonnes @ 4.5% total graphite carbon (TGC)²
- Pre-feasibility study due Q3 FY19



Innovation



Carbonart Carbon Fibre Dump Truck Trays

- Carbon fibre tray #3 completed
- Mobilised to Koolyanobbing in February 2019
- Carbon fibre trays will reduce mining costs by 10-15%
 - Caterpillar 150t lined steel tray weight: 31t
 - Carbon fibre tray weight: 10t

Hydrogen and Synthetic Graphite production using Hazer IP

- Continuous feed pilot plant under construction at MRL's Kwinana facility
- Commissioning on target for March 2019
- Plan to commence construction of a 1,000 10,000tpa plant following successful testing of pilot plant







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