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This presentation should be read in conjunction with MMG Limited's annual results announcement for the six months ended 30 June 2017 issued to the Hong Kong Stock Exchange on 22 August 2017.

# **Overview**



Jerry Jiao, CEO	1H17 in review
Ross Carroll, CFO	Financial results
Jerry Jiao, CEO	Strategy and outlook
<b>Questions and Answers</b>	



### First Half 2017 Highlights



### **Safety**

**✓** Record half yearly safety performance

**NPAT US\$113.7m** 

**✓** Return to profit. Improvement of US\$206.7m on 1H16

**Debt reduction** 

✓ Strong cash generation. Net debt reduced by US\$868m

**Efficiency** 

Efficiency improvement programs across operations and corporate

Growth

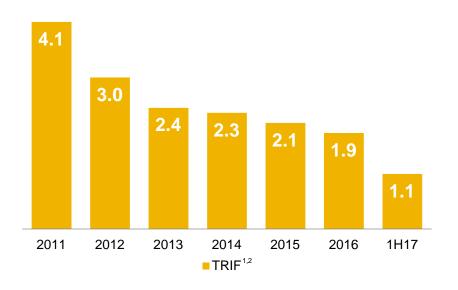
 Dugald River project ahead of schedule and low end of capex budget



### Safety, Environment and Social Performance



### Safety performance



- Safety our first value
- Record low half yearly TRIF for MMG of 1.14 per million hours worked in the first six months of 2017
- MMG's TRIF benchmarks in the lowest quartile of all International Council on Mining and Metals (ICMM) members globally. 2016 member average TRIF was 4.19
- Committed to ICMM's 10 principles of Sustainable Development
- We mine for progress. Contributing to the development of our host countries and communities











<sup>1.</sup> Total recordable injury frequency per million hours worked

Las Bambas safety data incorporated into MMG from January 2015

# **Operational Excellence**





# 2017 production guidance maintained

- 560-615kt Copper
- 65-72kt Zinc



Las Bambas: 218kt Cu, C1 US\$1.01 in 1H17. World class ramp up. Large scale, low cost, long life



**Kinsevere** – record production in July 2017



**Sepon** – record throughput in 1H17



Rosebery – Strong zinc production, lower C1 guidance for 2017



**Efficiency** programs in place at all operations and corporate



# Revenue, Earnings, NPAT and Cash Improve in H1



US\$ million	1H16	2H16	1H17	1H7 v 1H16
Revenue	586.1	1,902.7	1,942.4	231%
Underlying EBITDA	134.3	814.9	855.0	537%
Underlying Profit / (Loss) After Tax	-93.0	-5.7	107.8	N/A
Net Operating Cash Flow	57.7	664.6	1,116.0	1834%
Net Debt	10,279.8	9,786.8	8,918.6	13%

# Underlying earnings up over 500%, costs controlled



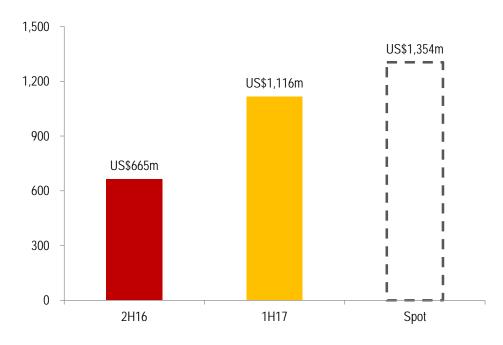


# **Strong Cash Generation**



- US\$1.1b of Net Operating Cash in 1H17
- US\$1.8b of Net Operating Cash generated since Las Bambas achieved commercial production
- Spot commodity prices and FX would imply a ~US\$477m improvement in Net Operating Cash Flow on an annual basis¹

### Net operating cash flow (US\$m)



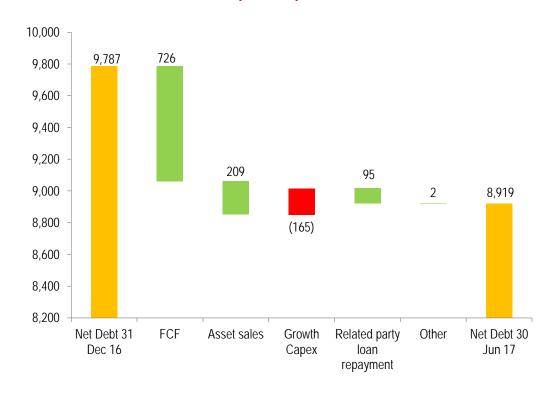
<sup>1.</sup> Assumes spot copper, zinc, lead, gold and silver prices and USD/USD as at 22 Aug 2017

### Net debt down US\$868m



- Net debt reduction of US\$868m, driven by:
  - Free Cash Flow<sup>1</sup> of US\$726m
  - US\$209m from asset sales
  - Growth capital predominantly relates to Dugald River development (~US\$200m remaining)
- Post balance date: Surplus cash used to prepay US\$500m of Las Bambas Project Debt. Annualised interest saving of ~US\$25m²

### **Movements in Net Debt (US\$m)**



<sup>1.</sup> FCF = Net Operating Cash Flow less sustaining capex and net financing costs paid.

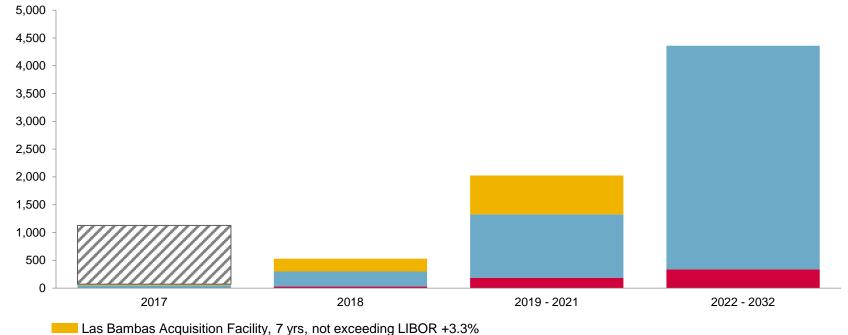
<sup>2.</sup> Subject to prevailing LIBOR

# Well managed debt maturity profile



- Gross debt reduced by >US\$1b in 2017 YTD
- Average outstanding maturity profile now ~8 years

### Debt repayment schedule<sup>1</sup> (US\$m)



- Las Bambas Project Facility, 18 yrs, not exceeding LIBOR +3.55%
- Dugald River, 13 yrs
- 2017 Debt Repayments (to 31 Jul 17)

<sup>1.</sup> Principal and interest payments including Joint Venture partner liabilities. Excludes related party debt which includes US\$2.262 billion shareholder loan and interest payable thereon. Also excludes US\$350m Las Bambas revolving facility, which was un drawn at 30 June 2017

# **Earnings sensitivity**



### Estimated impact on FY17 underlying EBIT from changes in commodity prices and currency

		Sensitivity	EBIT Impact (US\$m)
Copper	US\$/lb	\$0.10/lb / (\$0.10/lb)	135/(135)
Zinc	US\$/lb	\$0.10/lb / (\$0.10/lb)	10/(10) 1
Lead	US\$/lb	\$0.10/lb / (\$0.10/lb)	4/(4)
Gold	US\$/oz	\$100/oz / (\$100/oz)	13/(13)
Silver	US\$/oz	\$1.00/oz / (\$1.00/oz)	8/(8)
AUD:USD <sup>2</sup>	AUD	(10%) / 10%	9/(9)
PEN:USD <sup>3</sup>	PEN	(10%) / 10%	4/(4)

<sup>1.</sup> FY17 Zinc sensitivity does not incl Dugald River. FY17 zinc production guidance is 65-72kt. First production for Dugald River expected 2H17 and production of 170ktpa at steady state

<sup>2.</sup> AUD: USD FX exposure relates to FX gain/loss on production expenditure at Rosebery and administration expenses at Group Office

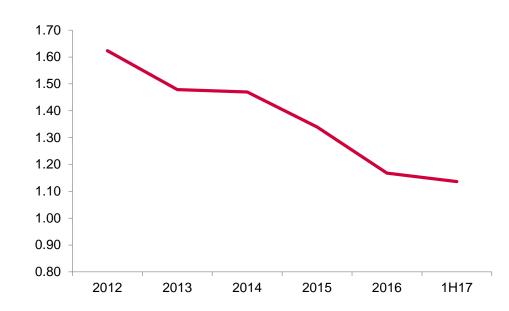
<sup>3.</sup> PEN:USD FX exposure predominantly relates to translation of Las Bambas tax receivables balance and production expenditure

# Ongoing efficiency programs



- Track record of C1 improvement at operations
- Mining industry costs likely to have seen bottom of cycle
- Mature operations facing challenges working hard for incremental improvement
- Efficiency programs in place across all operations and corporate functions
- Expect to deliver annualised overhead savings of ~US\$30m
- 2017 capex expected to be around US\$850m. The lower end of previous guidance of US\$850-900m
- Portfolio optimisation initiatives continuing

# MMG weighted average Copper C1 costs (US\$/Ib)





# MMG: Focused, Efficient and Delivering Growth

Jerry Jiao

Chief Executive Officer

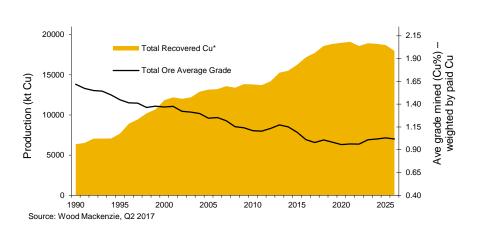
# Positive outlook for copper and zinc



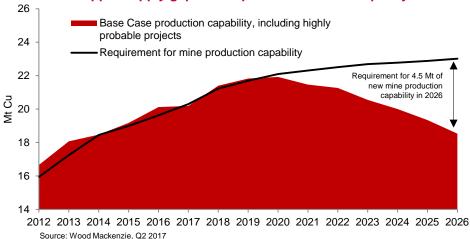
# Attractive fundamentals and insights from major shareholder support commodity outlook

- Supply risks growing social, political, grade and under-investment
- Demand growth US/Euro recovery, EV demand, urbanisation
- Understanding China fundamentals a competitive advantage
- One belt. One road.

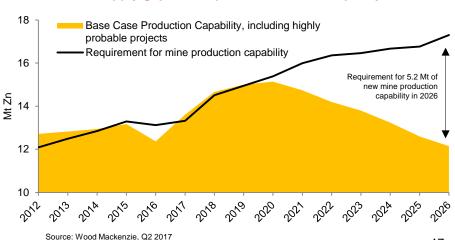
### Copper head grade and production



#### Mined copper supply gap and requirement for new capacity



#### Mined zinc supply gap and requirement for new capacity



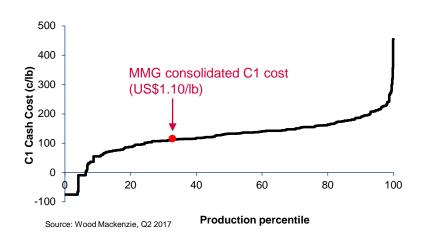
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# World-class asset base – sustained production growth

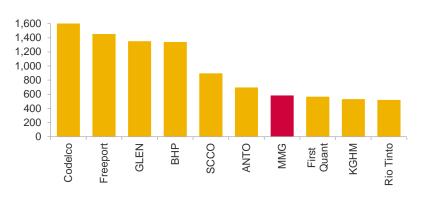


- Top 10 miner of copper and zinc
- Low cost position
- Delivered 15% pa growth in Cu equivalent production over 5 past years
- 2016-2018 Las Bambas (Cu) and Dugald River (Zn) growth

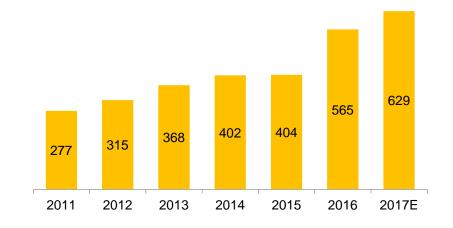
### C1 copper cost curve (2017)<sup>2</sup>



# World's top copper producers (2017)<sup>1</sup> Kt



### MMG copper equivalent production Kt



Company guidance

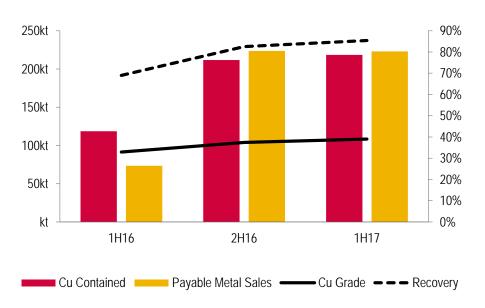
<sup>2.</sup> Wood Mackenzie Q2 2017 Composite C1 Cash Cost Curve. MMG consolidated C1 based on the guidance ranges for Las Bambas, Kinsevere and Sepon.

# Las Bambas – world class delivery

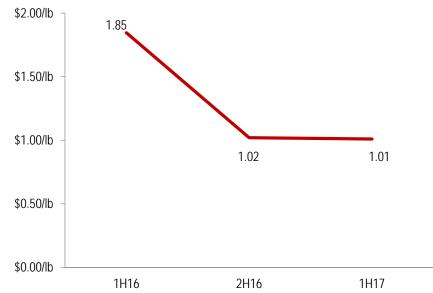


- 12 months of stable operation, 430kt copper production, C1 US\$1.02
- One of the lowest cost copper operations of this scale in the world
- Las Bambas efficiency review of external spend and productivity improvements. Full benefit expected in 2018.
- Initial 20+ year mine life producing copper, gold, silver and molybdenum (Molybdenum commercial production in 1H17).
- Exploration upside, only ~10% of tenement explored

### **Production profile**



### C1 cost (incl by-product credits)



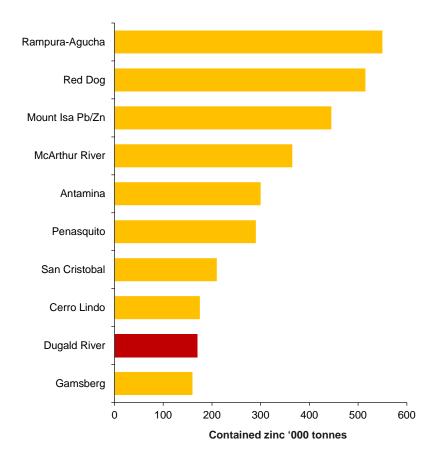
# **Dugald River – to deliver first production 2017**



# The Dugald River project ahead of schedule

- First production now expected in late 2017 (previously first half 2018)
- Total development capital expected around US\$600m (low end of previous range of US\$600-620m)
- Will be one of the 10 largest zinc mines globally
- Highest-grade zinc project in development
- Large scale and long life annual production of 170 kt Zn; ~25 year life
- Strong cash flow potential steady state
   C1 costs of US\$0.68 0.78/lb

### 2019 forecast production capability<sup>1</sup>



Source: a selection of top 10 zinc producers from the Wood Mackenzie Base Metals Markets Tool (Q2 2017)

<sup>1.</sup> Only includes mines producing zinc and lead as primary commodities

# Focused, Efficient and Delivering Growth



### Growth

✓ Deliver Dugald River - Top 10 producer of copper and zinc.

# Operational Excellence

✓ Track record of continuous improvement.

# Shareholder value

√ 12 month total shareholder return of 124%. Strong cash generation and near term focus on debt reduction

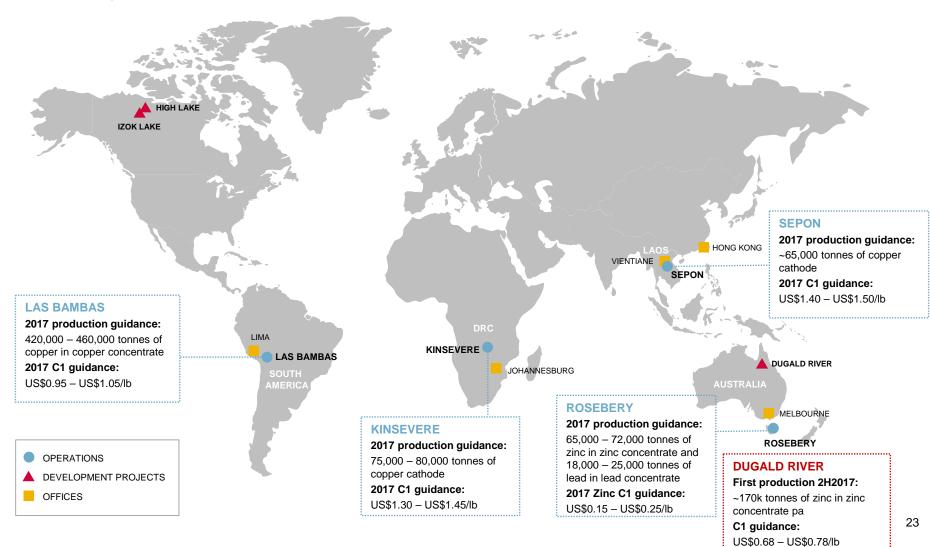




# **MMG** operations



We have a globally diversified portfolio of base metals operations and development projects



# **Guidance for 2017**



Las Bambas	
Copper – production	420,000 - 460,000 tonnes
Copper – C1 costs	US\$0.95 - 1.05 / lb

Rosebery	
Zinc – production	65,000 – 72,000 tonnes
Zinc – C1 costs	US\$0.15 - 0.25 / lb
Lead – production	18,000 – 25,000 tonnes

Kinsevere	
Copper – production	75,000 – 80,000 tonnes
Copper – C1 costs	US\$1.30 - 1.45 / lb

Sepon	
Copper – production	~65,000 tonnes
Copper – C1 costs	US\$1.40 - 1.50 / lb

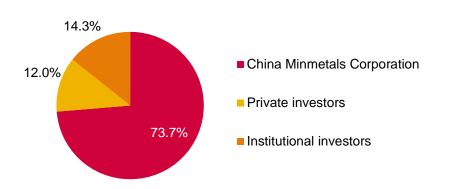
### **MMG** overview



#### **Overview**

- Founded in 2009, MMG is a diversified base metals company with four operating mines and one development project located across four continents
- Headquartered in Melbourne (Australia), with a primary listing on the HKEx (1208 HK) and a secondary listing on the ASX (MMG ASX)
- Primary exposure to copper and zinc, with smaller exposures to gold, silver, lead and molybdenum
- MMG's flagship asset, the Las Bambas copper mine, reached commercial production on 1 July 2016 and is expected to be world's seventh largest copper mine by 2017

#### Shareholder base



### Key metrics<sup>1</sup>

HKEx/ASX tickers	1208.HK, MMG.ASX
Shares Outstanding	7,935m
Market Capitalisation	US\$3,669m
Net Debt	US\$8,919m
Non-Controlling Interests	US\$1,655m
Enterprise Value	US\$14,243m

### Share price performance (Last 12 months)

Rebased to MMG (HK\$)



### To be valued as one of the world's top mid-tier miners by 2020

1. Source: Bloomberg (17/8/17)

# Las Bambas 1H17 overview – 12 months of stable production



- Las Bambas has now demonstrated 12 months of stable operation since achieving commercial production on 1 July 2016.
   Total production over the previous 12 months of 430kt at a C1 cost of US\$1.02/lb.
- Production of 218,440 tonnes of copper in copper concentrate in 1H17, 3% above 2H16.
- Revenue of US\$1,361.7 million was driven by payable metal in product sold of 223,065 tonnes of copper concentrate.
- Inventory on hand remained at low levels with no significant logistics disruptions during the first half of 2017.
- Total operating expenses were \$608.0 million and EBITDA for the six-month period was US\$756.4 million (2016: \$16.9 million).
- MMG expects total copper in copper concentrate production for 2017 at Las Bambas of 420,000 to 460,000 tonnes, with C1 unit costs to be in the range of US\$0.95/lb to US\$1.05/lb. Making Las Bambas one of the lowest cost copper mines of this scale in the world. C1 costs for the six months to 30 June 2017 were US\$1.01/lb.
- In 2017, Las Bambas has embarked on an efficiency review with the full benefit of this program expected to be realised in 2018.

#### **Financials**

US\$ million	1H17	1H16 <sup>1</sup>	%
Revenue	1,361.7		N/A
EBITDA <sup>1</sup>	756.4	16.9	4,376%
EBIT	476.8	16.9	2721%
EBITDA margin (%)	56%		N/A
Production	218,440		N/A
C1 costs – copper (US\$ / lb)	1.01		N/A

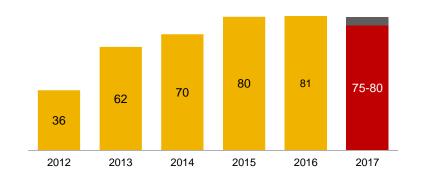
EBITDA includes revenue, operating expenses and other income and expense items. Las Bambas was only accounted for as an operation from 1 July 2016 when commercial production
was achieved, and therefore the operating results for the six months ended 30 June 2016 do not take into account sales, operating expenses and depreciation and amortisation expenses

### Kinsevere 1H17 overview – strong production continues



- Production down 2% on the prior period to 39,203 tonnes of copper cathode due to lower mill throughput. Revenue increased by US\$34.5 million (18%) as a result of higher copper prices
- Operating costs increased due to higher strip ratios and more material being mined in 2017.
- C1 costs expected to be at the higher end of guidance for 2017 (US\$1.30-1.45/lb). Short-term optimisation of the mine plan has resulted in the mining of more ore and less waste than originally planned, which has had the effect of increasing C1 cost (through lower capitalisation of waste movement). C1 costs have also been adversely impacted by costs associated with the addition of a new contractor in 1H17.
- Kinsevere delivered a new record production month in July 2017

### Copper cathode production kt

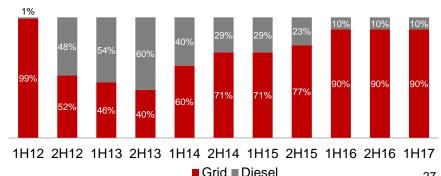


#### **Financials**

US\$ million	1H17	1H16	%
Revenue	226.8	192.3	18%
EBITDA <sup>1</sup>	65.9	67.9	(3%)
EBIT	(1.7)	(23.2)	93%
EBITDA margin (%)	29%	35%	
Production	39,203	39,974	(2%)
C1 costs – copper (US\$ / lb)	1.62	1.23	

<sup>1.</sup> EBITDA includes revenue, operating expenses and other income and expense items

### **Power utilisation**



### Sepon 1H17 overview – record asset utilisation



- Sepon produced 32,456 tonnes of copper cathode in 1H17(-10%)
   with continued transition to lower grade, more complex ores.
- The decline in grade was partially offset by record asset utilisation, with plant throughput 30% above the first half of 2016, and higher copper prices.
- A review that focused on all activities and costs was implemented at Sepon in 2016 to rebase the asset for a lower grade future and this program is expected to deliver cost savings of US\$18m in 2017.
- MMG expects Sepon C1 unit costs to be in the range of US\$1.40/lb to US\$1.50/lb with total copper cathode production around 65,000 tonnes.
- MMG continues to actively review future options for the Sepon mine and associated infrastructure following the depletion of the existing high grade copper Ore Reserves expected over the next three to four years. Future production options being assessed include the processing of lower grade copper ores, the restart of oxide gold production and the exploitation of the sizeable primary gold Resources within the MEPA area as well as other external options.

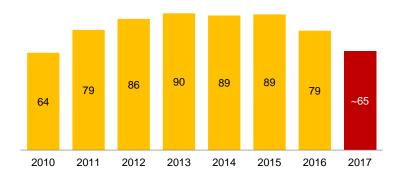
#### **Financials**

US\$ million	1H17	1H16	%
Revenue	192.7	176.3	9%
EBITDA <sup>1</sup>	59.1	61.2	(3%)
EBIT	16.0	1.7	841%
EBITDA margin (%)	31%	35%	
Production	32,456	35,919	(10%)
C1 costs – copper (US\$ / lb)	1.40	1.38	

<sup>1.</sup> EBITDA includes revenue, operating expenses and other income and expense items

### **Copper cathode production**

kt



# **Australian Operations 1H17 overview**



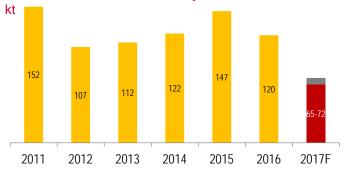
- Lower revenue due to sale of Golden Grove in February 2017 and lower sales volumes at Rosebery due to declining grades.
- C1 zinc cost guidance reduction at Rosebery to US\$0.15-0.25/lb (was US\$0.25-0.35/lb) due to lower than planned Treatment Charges for zinc concentrate and a continued focus on cost and efficiency.
- MMG expects to produce between 65,000–72,000 tonnes of zinc in zinc concentrate and 18,000–25,000 tonnes of lead in lead concentrate at Rosebery in 2017
- Golden Grove sold to EMR for US\$210m on 28 February 2017
- Transaction for the transfer of Century assets and infrastructure and associated liabilities completed on 28 February 2017

#### **Financials**

US\$ million	1H17	1H16	%
Revenue	154.5	193.7	(20%)
EBITDA <sup>1</sup>	70.9	59.1	20%
EBIT	32.7	10.2	220%
EBITDA margin (%)	46%	31%	
Production			
Zinc (tonnes)	38,881	58,137	(33%)
Lead (tonnes)	12,668	14,441	(12%)
Copper (tonnes)	2,301	7,231	(68%)
C1 costs – Rosebery zinc (US\$/lb)	0.21	0.14	

<sup>1.</sup> EBITDA includes revenue, operating expenses and other income and expense items

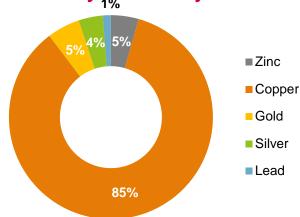
### Zinc in zinc concentrate production



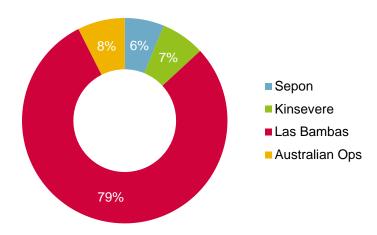
### Financial dashboard



### Revenue by commodity

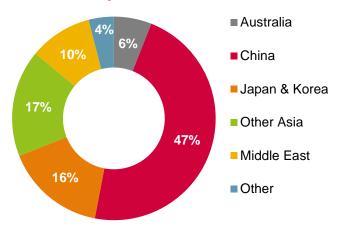


### **EBITDA** by operating segment

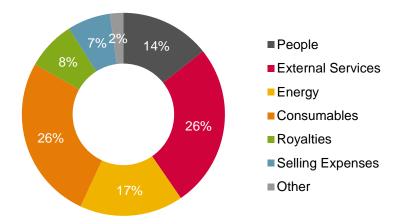


#### Source: MMG data

### **Revenue by customer location**



### **Operating expenses (sites)**



# Consolidated financial performance: Statement of financial performance



Six Months Ended 30 June 2017	41147	4114.0	V 0/
US\$ million	1H17	1H16	Var %
Revenue	1,942.4	586.1	231%
Underlying EBITDA	855.0	134.3	537%
Depreciation and amortisation	-425.7	-201.3	111%
Underlying EBIT	429.3	-67.0	741%
Net Interest	-260.1	-47.1	452%
Underlying Profit / (Loss) Before Tax	169.2	-114.1	248%
Income Tax Credit/(Expense)	-61.4	21.1	-391%
Underlying Profit / (Loss) After Tax	107.8	-93.0	216%
Profit on Sale of Divested Operations (pre tax)	173.6	-	N/A
Income Tax Expense	-167.7	-	N/A
Net Profit After Tax - MMG Group	113.7	-93.0	222%
Attributable to equity holders of the Company	17.8	-92.5	119%
Non-controlling interests	95.9	-0.5	N/A
		RESTATED	
EPS attributable to equity holders of the Company	US 0.22 c	US (1.53) c	114%

# **Condensed consolidated balance sheet**



US\$ million	30 June 2017	31 Dec 2016
Non-current assets	12,926.0	13,198.5
Current assets – cash and cash equivalents	914.3	552.7
Current assets – other	784.0	1,478.8
Total assets	14,624.3	15,230.0
Total equity	2,713.9	2,589.6
Non-current liabilities – other	1,496.6	1,514.3
Non-current liabilities – borrowings	9,346.1	9,516.2
Current liabilities – other	662.9	872.9
Current liabilities – borrowings	405.1	737.0
Total liabilities	11,910.4	12,640.4
Total equity and liabilities	14,624.3	15,230.0
Net current assets	630.6	421.6
Total assets less current liabilities	13,556.6	13,620.1

# **Consolidated financial performance: Cash flow statement**



Six months ended 30 June US\$ million	2017	2016
Receipts from customers	2,426.51	686.1
Payments to suppliers	(1,263.1)	(561.0)
Payments for exploration expenditure	(17.6)	(18.8)
Income tax paid	(29.8)	(48.6)
Net cash generated from operating activities	1,116.0	57.7
Purchase of property, plant and equipment	(347.8)	(375.6)
Other investing activities	303.0	(3.0)
Net cash used in investing activities	(44.8)	(378.6)
Proceeds from borrowings	80.0	363.4
Repayment of borrowings	(588.2)	(226.9)
Interest and financing costs paid	(210.0)	(197.1)
Other financing activities	8.6	(0.9)
Net cash generated from / (used in) financing activities	(709.6)	(61.5)
Net increase / (decrease) in cash and cash equivalents	361.6	(382.4)
Cash and cash equivalents at 1 January	552.7	598.3
Cash and cash equivalents at 30 June	914.3	215.9

### Executive team – global experience





**Chief Executive Officer** 

### Mr Jerry Jiao

- 25+ years' experience in metals and mining
- Vice-President of China Minmetals Corporation (CMC)
- Chairman of China Minmetals Nonferrous Metals Company Limited (CMN)
- President of CMN
- Director of Hunan Nonferrous Metals Holding Group Co., Ltd. (HNG)



Chief Financial Officer
Mr Ross Carroll

- 25+ years' experience in the Natural Resources sectors
- CEO and MD Macmahon Holdings
- CFO Woodside Petroleum
- Senior financial roles BHP Billiton



EGM Business Support Acting Chief Operating Officer Mr Greg Travers

- Executive General Manager Services and Strategic Planning Myer Limited
- 7+ years BHP Billiton
- 6+ years Pratt Group
- 11+ years WMC Resources



EGM Marketing & Risk Mr Xu Jiqing

- 25+ years' experience in finance, strategy, investment
- Director of CMNH and Jiangxi Tungsten
- Director Copper Partners Investment and HNG
- Vice President and CFO of China Minmetals Non-Ferrous



**EGM Stakeholder Relations** Mr Troy Hey

- 20+ years' government, media, community and investor relations
- General Manager Media and Reputation Foster's Group.
- Group Manager Public Affairs WMC Resources

