

**Primed to commence  
ferromanganese  
alloy production  
H2 2019.**

**Corporate Presentation**

February 2019

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# Value Proposition

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## On track for construction to be completed in H2 2019

Construction over 60% complete with first commercial alloy sales expected during Q3 2019

## Clear pathway to production ramp-up

Low-cost, highly scalable production starting at 43,000 tpa, increasing to 201,000 tpa of ferromanganese alloy.

## Mine-gate to production acquisition strategy

Actively assessing acquisition opportunities targeting high grade Mn mines in Indonesia – home to the world's highest grade manganese (+49%Mn).

## Multiple revenue streams

Export of refined ferromanganese alloys of Medium and Low Carbon manganese alloys, and export of Direct Shipping Ore (DSO).

## Strong in-country partnerships

Gulf backed by PT JTS, whose Chairman and CEO is Bapak Fofa Sariaatmadja, a highly-regarded Indonesian business executive.



# Kupang Smelting Hub Financials



Kupang Smelter Project		Annualised Performance			
		2 Units	4 Units	6 Units	8 Units
Installed Smelter Capacity	MVA	14	32	50	68
<b>Physicals</b>					
Mn Ore Purchased	†	112,000	247,000	385,000	524,000
FeMn Alloy Sold	†	43,000	95,000	148,000	201,000
<b>Costs</b>					
Ore Purchase & Preparation	USD	19.3	42.6	66.4	90.2
Smelting	USD	33.3	73.6	114.6	155.7
Overheads	USD	5.5	12.2	18.9	25.7
<b>Total Operating Costs</b>	<b>USD</b>	<b>57.7</b>	<b>127.5</b>	<b>198.6</b>	<b>269.7</b>
<b>Revenue from Sales</b>	<b>USD</b>	<b>81.7</b>	<b>180.5</b>	<b>281.2</b>	<b>381.9</b>
<b>Operating Margin</b>	<b>USD</b>	<b>24.0</b>	<b>53.0</b>	<b>82.6</b>	<b>112.2</b>

## Notes:

1. Does not include revenue from Direct Shipped Ore "DSO" Sales
2. Based on 100% of project. GMC will have 74.9% with JTS 25.1% ownership of project.
3. Before Tax and Interest
4. All financials in millions
5. Assumes all ore purchased from local Indonesian miners in NTT and adjacent provinces
6. Refer to slide 19 for assumptions on annualised performance figures



# Kupang, West Timor Excellent Infrastructure

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# Tenau Port – Kupang

# Gulf



Unloading of Smelters at  
Tenau Port, Kupang

Deepwater Port Facility  
5km from Smelter Hub Site



# Building a successful Indonesian Smelting business

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Significantly de-risked exposure to Indonesia's world-class high grade Mn deposits.

Key Milestone / Achievement		Completed / Due Date
1.	Licencing, Permitting Approval	✓
2.	Secure Cornerstone Indonesian Investors	✓
3.	Securing Indonesian High Grade Mn Mine	In Progress
4.	Commissioning Complete	H2 2019
5.	First Ferromanganese Alloy Sales	Q3 2019
6.	Direct Shipped Ore Licence "DSO"	Expected Q1 2019





# PT JTS - Significant Local Partners

# Gulf

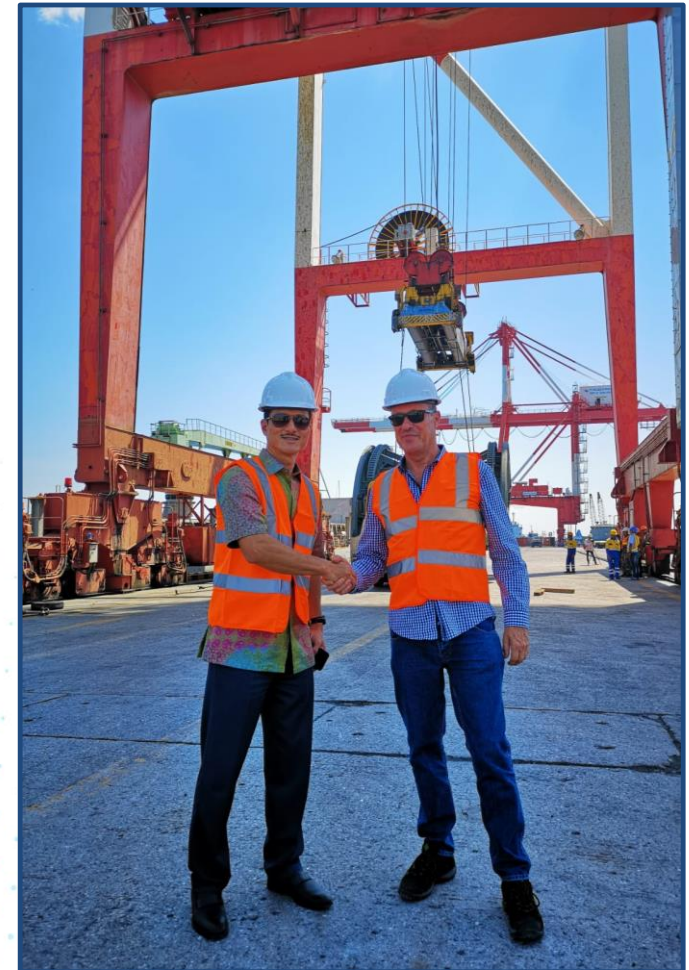
JTS Group: part of a diversified investment group based in Indonesia and Australia, with investments across the Asia Pacific region.

JTS Group holds 9.04% of GMC and 25.1 % of the Indonesian Subsidiary PT GMG\* with the completion of conditions precedent on convertible notes.

Chairman and CEO Bapak Fofa Sariaatmadja is President Commissioner with:

- ❑ PT. Surya Citra Televisi, the number one television in Indonesia
- ❑ PT. Mediatama Anugrah Citra, the only digital terrestrial pay-TV operator in Indonesia
- ❑ PT. Abhimata Persada, an IT solutions provider to the banking sector.

(\*following MoEMR approval)



Gulf President Director Hamish Bohannan with PT JTS Chairman and CEO Bapak Fofa Sariaatmadja

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# Manganese Ore - Procurement Strategy

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- NTT focussed procurement strategy with 20 agreements in place with NTT miners
- Gulf is committed to working with NTT miners to ensure best mining practice and exemplar in establishing NTT as a manganese world class leader
- Gulf committed to purchase manganese ore only from suppliers who demonstrate they have all required permits, licences, certificates and approvals as required by Government regulations (clean and clear).
- Negotiations well advanced with miners in other locations within Indonesia and Timor Leste
- Discussions with international manganese ore suppliers



# Kupang Smelting Hub Facility

## Gulf

- Construction activities on the first two smelters, are progressing.
- Targeting production of premium quality 82%+ manganese alloy resulting from the unique qualities of the Indonesian high-grade, low impurity manganese ore.
- Targeting sale of Direct Shipped Ore (DSO) during construction phase - significant near-term value catalyst.
- Option to build Gulf's own shipping berth to further reduce logistics costs.
- Power supplied by state power utility on unit cost basis from power station directly adjacent to smelter site.
- Nearby deep water Tenau Port has both bulk and container loading facilities.



*Concrete Foundations  
Finished at Smelting  
Hub Facility*



*Nearby Tenau Port –  
has both bulk and  
container loading  
facilities*



# Smelter – Unique Process & Expandable

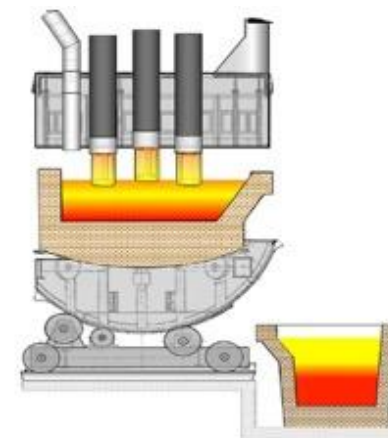
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## Modular design allows for simple expansion

- At least 8 furnaces to be in operation upon completion

## Processing

- Silicothermic reaction
- Process driven by the unique ultra high grade ore
- Low power consumption
- Produces very high grade Low Carbon Ferro Manganese alloy in a single stage



# Manganese Market

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- Over 90% of all manganese produced is consumed in steel production
- Refined ferromanganese alloys are usually used in the manufacture of high grade specialty steel
- Gulf's DSO and refined alloy products will be in very high demand due to their high manganese content and low impurities.
- Manganese ore prices remain strong driven by Chinese steel industry combined with deterioration of manganese ore grades globally and within China.
- After steel, the second most important market for manganese (in dioxide form) is for portable dry cell batteries.
- Other uses include manganese sulphates as an agricultural fertilizer, in water purification, health vitamins, gasoline additives and colouring glass.

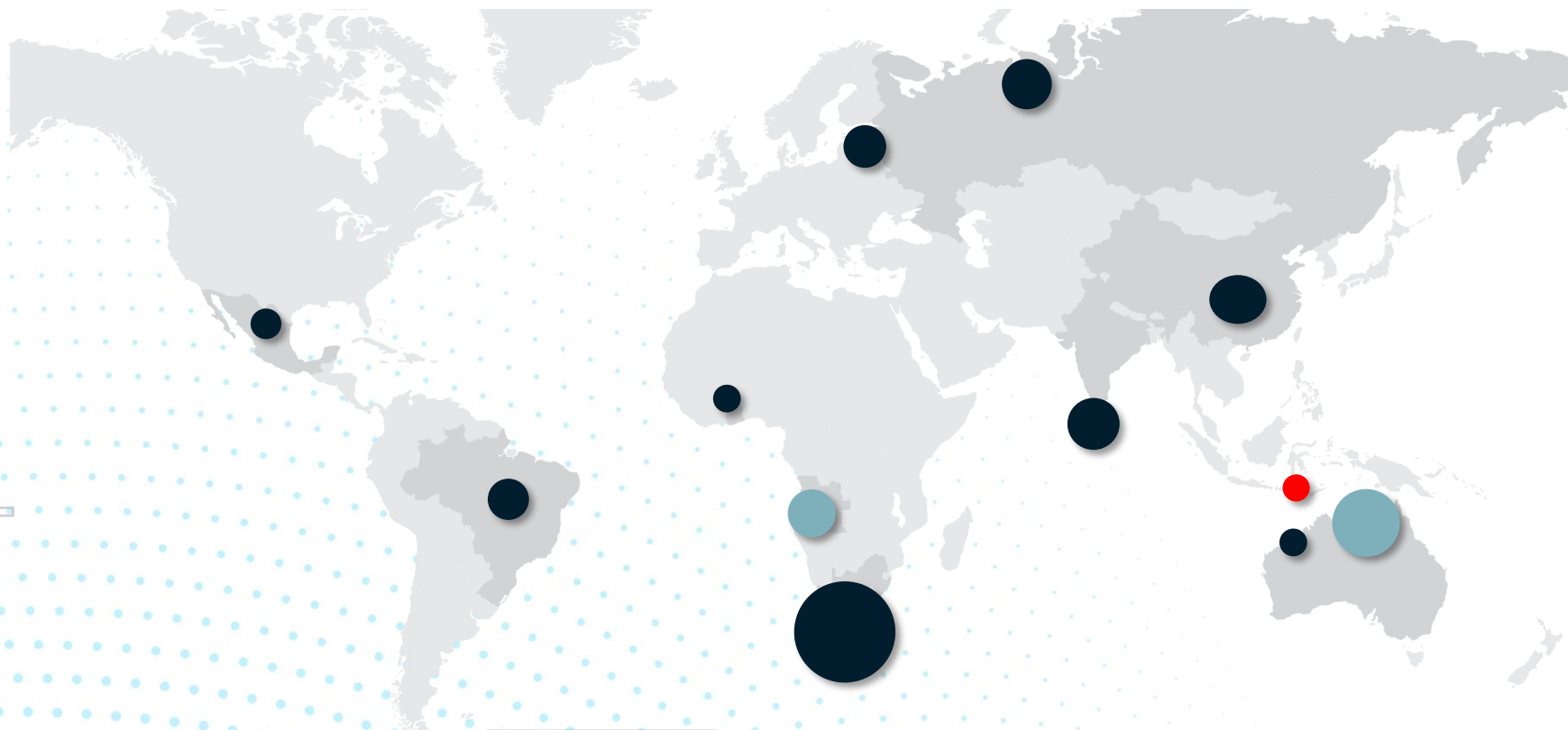




# Indonesia - World's Highest Grade Mn deposits

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● High Grade (>48%)      ● High grade (+44%)      ● Medium to low grade (<44%)



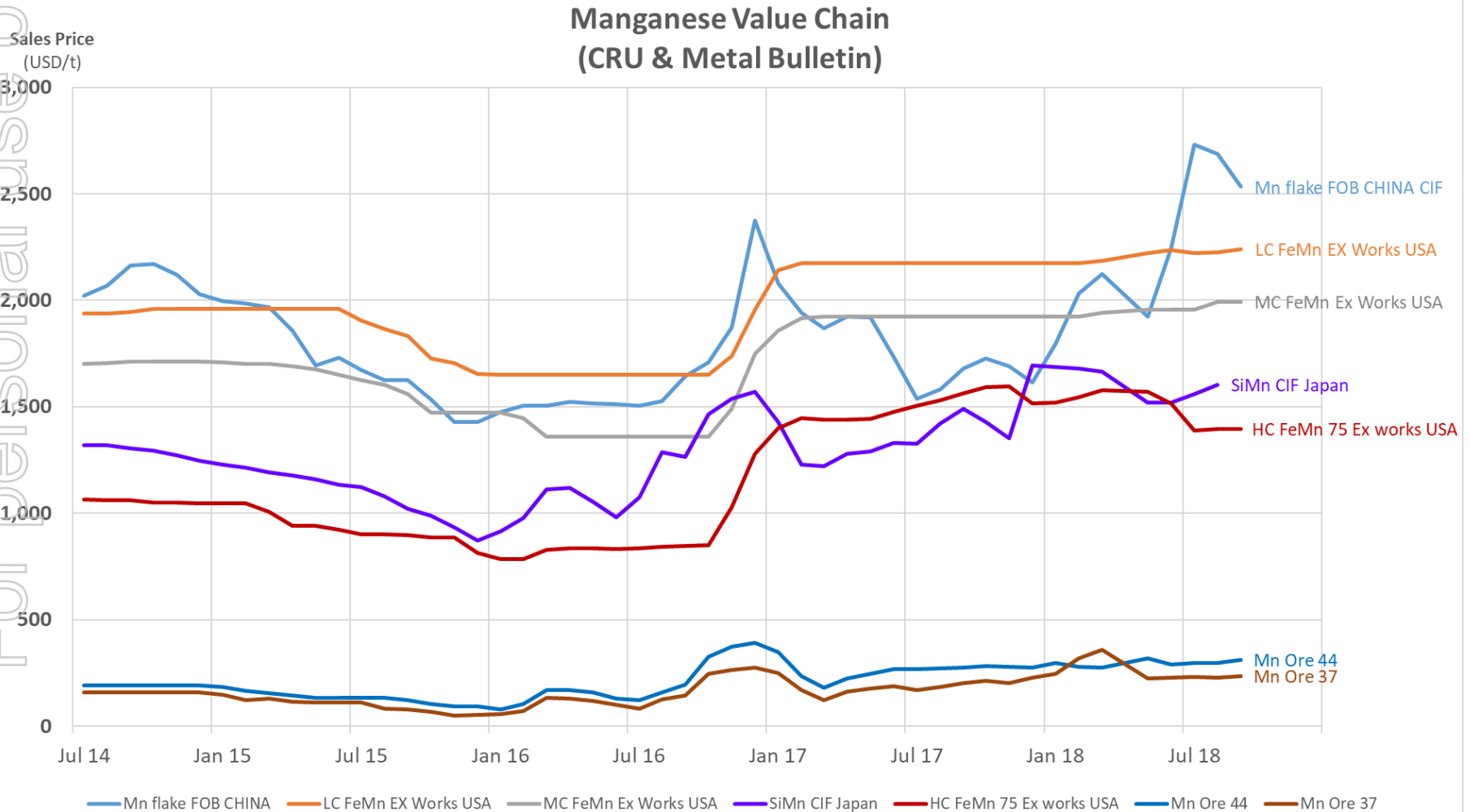
**Manganese  
Ore Value  
Drivers:**

Manganese  
Grade

Manganese  
to Iron Ratio

# Manganese Value Chain – Geared for Growth

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# Corporate Snapshot

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## Capital Structure

ASX Code:	GMC
Shares on Issue	3,510,746,449
Listed Options on Issue (0.5c Exp 21/4/19)	1,850,621,403
Share Price / 30 day VWAP (as at 24 Jan 2019)	1.05¢
52 week high / low	2.5¢ / 0.5¢
Market Cap (24 Jan 2019)	\$A 28 million

## GMC 12 month SP price and volume



## Top Shareholders

Citicorp Nominees Pty Ltd	13.31%
HSBC (Tanah Capital PE)	10.41%
JTS Group (EBI, JGI, JTS)	9.04%

## Board and Management

Non-Executive Chairman	Craig Munro
Managing Director & CEO	Hamish Bohannan
Non-Executive Director	Andrew Wilson
Non-Executive Director	Tan Hwa Poh
Company Secretary & CFO	Robert Ierace





# Kupang Smelting Hub

## - Assumptions



Kupang Smelter Project				LCFeMn Alloy <sub>(LP)</sub>					
<b>Smelters</b>		each		2	4	6	8		
<b>Installed Capacity</b>	2,260 t/MVA	MVA		14.0	32.0	50.0	68.0		
<b>Physicals</b>									
Mn Ore Purchased		tpa		112,000	247,000	385,000	524,000		
FeMn Alloy Sold		tpa		43,000	95,000	148,000	201,000		
				<b>USDm</b>	<b>USDm</b>	<b>USDm</b>	<b>USDm</b>	<b>USD/t</b>	
<b>Ore Purchase &amp; Preperation</b>	<b>\$172.01 /t purch</b>			<b>19.3</b>	<b>42.6</b>	<b>66.4</b>	<b>90.2</b>	<b>448.84</b>	<b>33.2%</b>
FeSi75%	0.341 t/t FeMn			17.6	38.9	60.6	82.3	409.30	30.3%
Burnt Lime	0.713 t/t FeMn			2.1	4.6	7.2	9.8	48.84	3.6%
Electrode Paste	0.023 t/t FeMn			0.6	1.3	2.1	2.8	13.95	1.0%
Power	\$0.089 /kWh			7.0	15.5	24.1	32.7	162.79	12.0%
Salaries/Wages				1.7	3.8	5.9	7.9	39.53	2.9%
Laboratory				0.4	0.9	1.4	1.9	9.30	0.7%
Smelter Consumables				2.0	4.4	6.9	9.3	46.51	3.4%
Logistics				0.7	1.5	2.4	3.3	16.28	1.2%
Maintenance				1.0	2.2	3.4	4.7	23.26	1.7%
Fuels/Oils				0.1	0.2	0.3	0.5	2.33	0.2%
Environmental				0.1	0.2	0.3	0.5	2.33	0.2%
<b>Smelting</b>				<b>52.2</b>	<b>115.3</b>	<b>179.7</b>	<b>244.0</b>	<b>774.42</b>	<b>57.3%</b>
General & Administration				2.1	4.6	7.2	9.8	48.84	3.6%
Sales & Marketing				3.0	6.6	10.3	14.0	69.77	5.2%
Overheads				0.4	0.9	1.4	1.9	9.30	0.7%
<b>Overheads</b>				<b>5.5</b>	<b>12.2</b>	<b>18.9</b>	<b>25.7</b>	<b>127.91</b>	<b>9.5%</b>
<b>Total Op Costs</b>				<b>57.7</b>	<b>127.5</b>	<b>198.6</b>	<b>269.7</b>	<b>1,351.16</b>	
<b>Revenue</b>	<b>\$1,900 U\$/t</b>			<b>81.7</b>	<b>180.5</b>	<b>281.2</b>	<b>381.9</b>	<b>1,900.00</b>	
<b>Net Operating Margin</b>				<b>24.0</b>	<b>53.0</b>	<b>82.6</b>	<b>112.2</b>	<b>548.84</b>	



## **Pre-Construction**

Showing Bolok Industrial Estate Land,  
Backing on to Government Owned Power Station









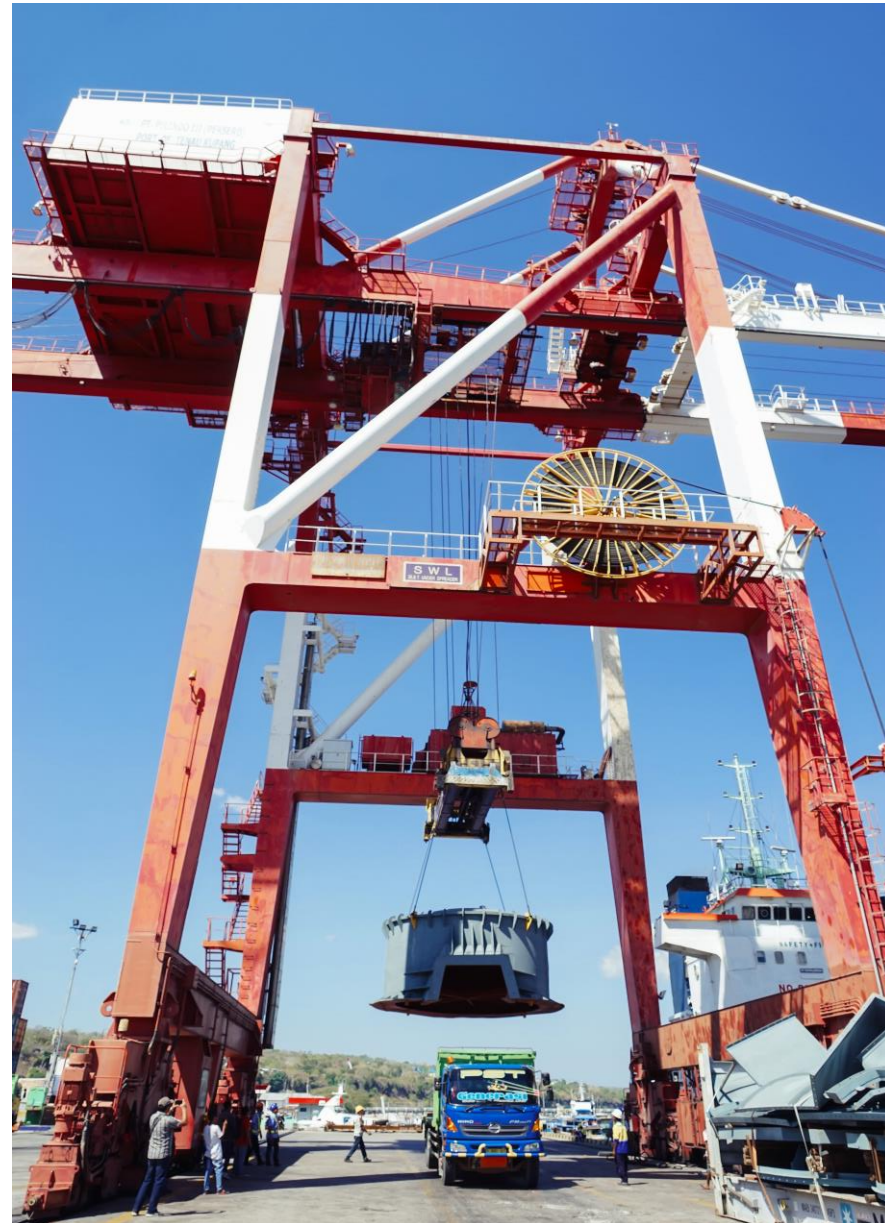




## Smelters Shipped

Shipped from the Port of Durban to Tenau Port Kupang  
May 2018

















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## Smelters on Site and Construction Progressing

- Structural steel fabrication is now complete.
- Construction over 60% complete



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