

## Re-charging nickel in Kambalda: Closing in on high-grade production

Australian Nickel Conference | 15 October 2019  
David Southam, Managing Director





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# Overview – Key Ingredients to Restart Nickel Production

The right **commodity** at the right time



High-grade Resource  
base in a **Tier-1 location**



The right **team** to  
deliver, strong  
**balance sheet**



Proven **exploration**  
upside



Integrated **Mine Restart**  
**Plan** well underway



Tier-1 **offtake partner**,  
committed to nickel





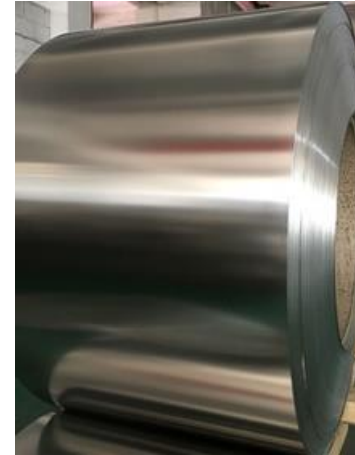
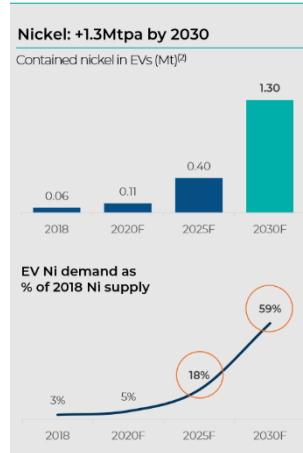
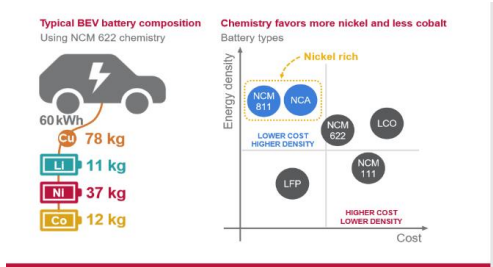


# The fundamentals

High-grade Resources, nickel market outlook, off-take

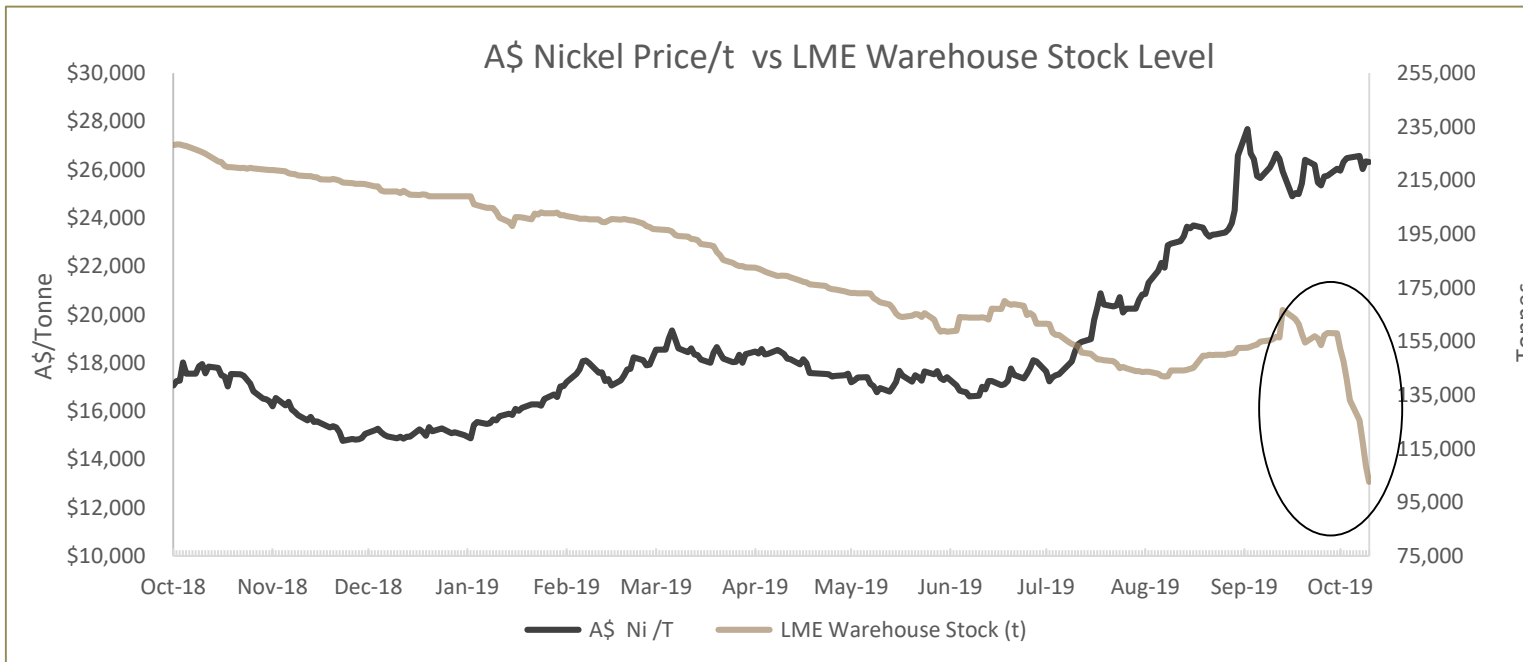






## Market Dynamics

1. 300 Series Stainless Steel (high nickel content) demand and growth remains strong
2. Indonesia to bring forward the laterite export ban to 1/1/20 – impacting ~10% of supply
3. EV batteries set to be dominated by nickel-rich chemistries of NCM811 and NCA batteries
4. Battery makers seeking out nickel exposure
5. LME warehouse stocks less than 1 month's supply – recent strategic buying
6. CY2020 supply shortfall forecasts are estimated by industry players and analysts



# High-Grade Resource Base in a Tier-1 Location

- Kambalda is one of the world's great nickel sulphide provinces, having delivered 51Mt at 3.1% Ni for 1.6Mt of contained nickel
- Mincor holds a dominant +300km<sup>2</sup> land position in the world-class Kambalda nickel belt
- Large, high-grade Mineral Resource base of 4.7Mt @ 3.7% Ni (175.3kt contained nickel)
- Recent Cassini results include **MDD323W2: 15.4m @ 4.7% Ni (13.2m true width)**, including a high grade core of **8.6m @ 7.0% Ni (7.3m true width)**



High-grade  
Resource  
base in a  
Tier-1  
location





## Offtake Agreement Executed

- Utilise the Kambalda Nickel Concentrator – adjacent to Northern Kambalda Operations
- World's largest mining company as a counter-party
- Best economic outcome when balanced with risk and capital intensity
- Modern off-take terms (payability) for nickel concentrate
- Substantial improvement in revenue and returns
- Max 600ktpa ore throughput (minimum 200ktpa)
- Contract ends December 2025



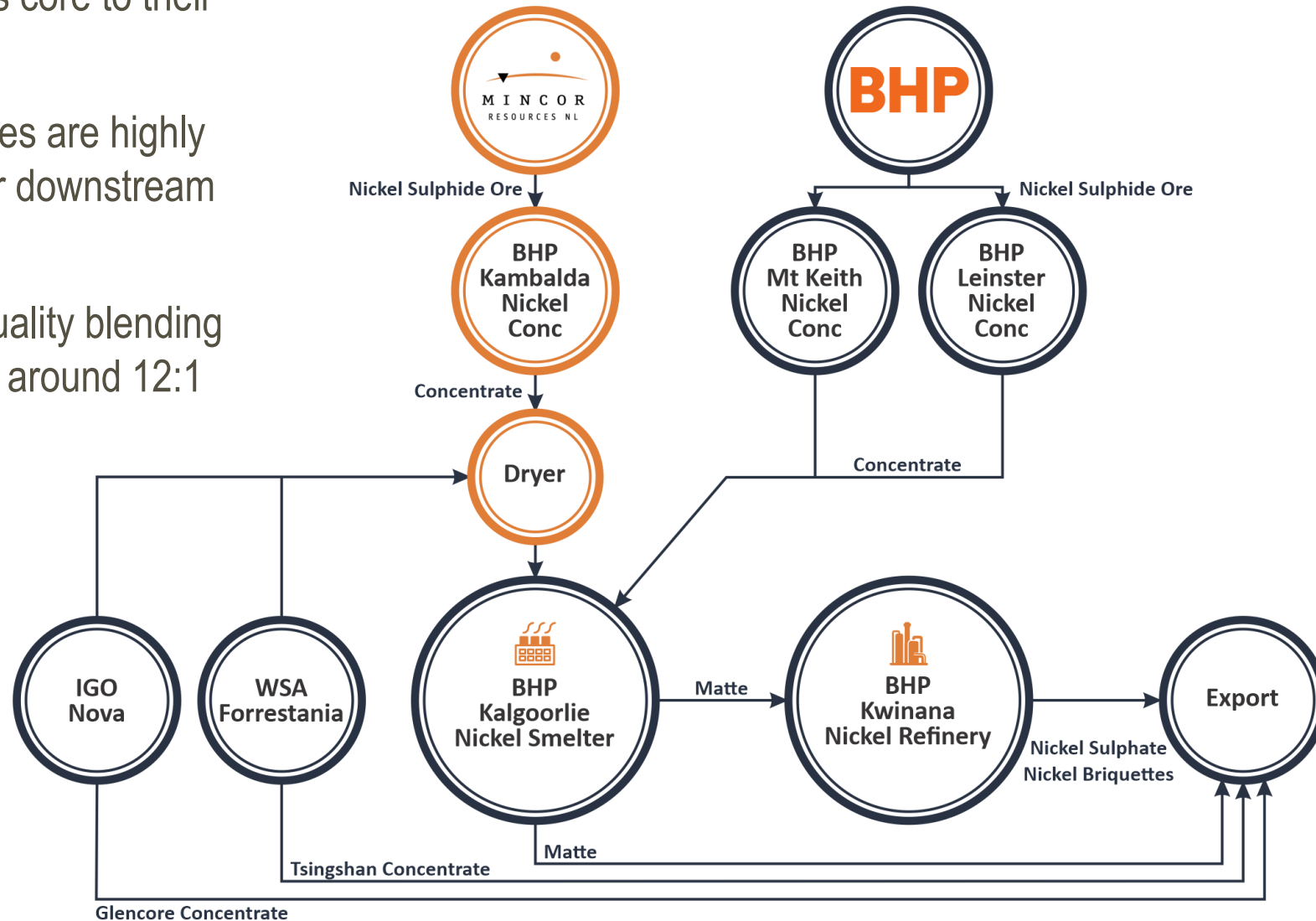
*Kambalda Primary Crusher*

Tier-1  
offtake  
partner,  
committed  
to nickel



# Mincor's Strategic Role in Kambalda's Re-emergence

- BHP see nickel sulphides as core to their future business
- Kambalda nickel concentrates are highly sought-after and link well for downstream processing
- Mutually beneficial – high quality blending concentrate with Fe:MgO of around 12:1



Source: Mincor depiction of WA nickel interaction with BHP

Tier-1  
offtake  
partner,  
committed  
to nickel







## Pathway to production

Definitive Feasibility Study – Integrated Restart Plan

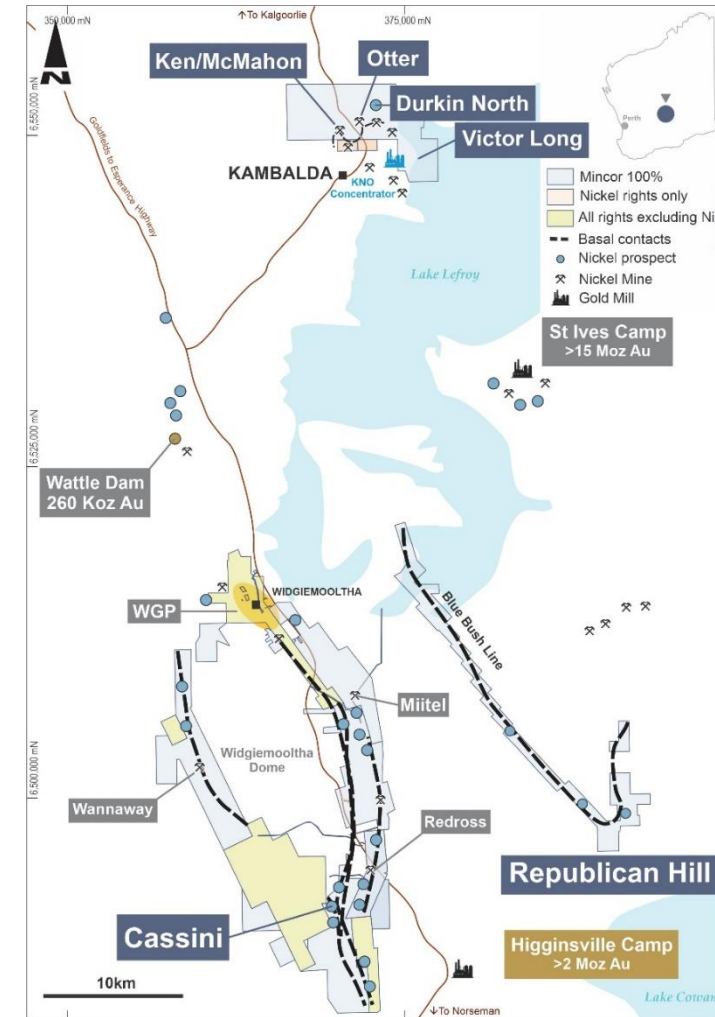




# Mincor Strategy – Integrated Mine Restart Plan

## Clear integrated re-start schedule

- Integrated mine plan including Cassini, Durkin North and Long
- Focused on achieving a 4-5 years of initial mine life
- Throughput at the BHP Concentrator of between 400-600ktpa
- DFS underway and mining contractors being short-listed
- Project funding discussions well underway

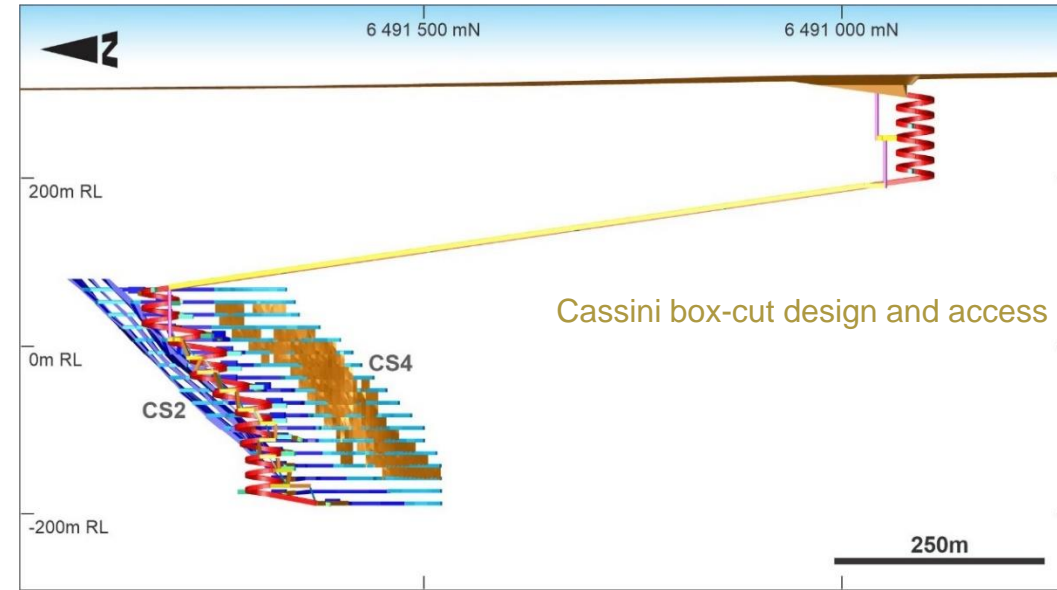


Integrated  
Mine  
Restart  
Plan well  
underway



# Cassini – Potential Early Capital Works in FY2020

- **Upgraded Mineral Resource (August 2019):**
  - 1.0Mt @ 3.8% Ni (37.8kt contained Ni)
  - 91% in the Indicated category
- Mineral Resource will be updated again given recent stellar intersections
- Maiden Ore Reserve at the same time as the DFS release
- Potential early works in Q1, CY2020
- Early metallurgical results demonstrate typical Kambalda ore characteristics



## Potential Early Capital Works Programs

1. Cassini box-cut, decline development (~260m) and establish site infrastructure
2. Access drive and commence incline development towards Durkin North
3. Commence decline development from Otter to Durkin North



Integrated  
Mine  
Restart  
Plan well  
underway

# Nickel in EV's – Leading the Way in Supply and Demand!

## A pioneering role in the adoption of EV's in the mining industry

- DFS encompasses the use of all-electric underground light vehicles at Cassini initially
- Perth-based company, Safescape, has developed the Bortana EV – a new EV designed specifically for the mining industry
  - Corrosion resistant chassis
  - Australia's 3ME Technology – maintenance-free, rapid charging, impressive energy density
  - Mine-ready underground EV with innovative safety and connectivity features
- Potential benefits include:
  - Reduced reliance on fossil fuels and improved environmental outcomes
  - Reduced maintenance costs
  - Reduced underground ventilation costs – significantly lower heat output from EV's than internal combustion engines
- Longer-term aim to transition larger mining vehicles to electric once infrastructure is established
- **Opportunity for Mincor's Kambalda operations to be an important showcase for the use of EV's within the global mining industry**



The right  
commodity  
at the right  
time



# Long Acquisition – Consolidating North Kambalda

100% acquisition of Long Nickel Operations from Independence Group NL in May 2019



## Long Summary Data

|                                       |  |
|---------------------------------------|--|
| <b>JORC Code Mineral Resource*</b>    | 32kt Ni (0.75mt @ 4.2% Ni)<br>FY17: 54kt, 1.2Mt @ 4.6% Ni                        |
| <b>Years of production</b>            | WMC: 1980 – 2000<br>IGO: 2002 - 2018   |
| <b>Historical nickel production</b>   | ~10,000 tonnes of nickel per annum   |
| <b>Historical C1 costs</b>            | A\$4.09/lb (weighted average FY12 – FY18)  |
| <b>Approvals &amp; mine readiness</b> | All relevant approvals remain in place<br>Long remains de-watered and ventilated |

\* The Long Mineral Resources were reported in the IGO's 2018 Mineral Resources and Ore Reserves Statement released to the ASX on 20 February 2019. Mr Robert Hartley, Mincor's Exploration Manager, has signed off as the competent person – see ASX Announcement on 23 May 2019

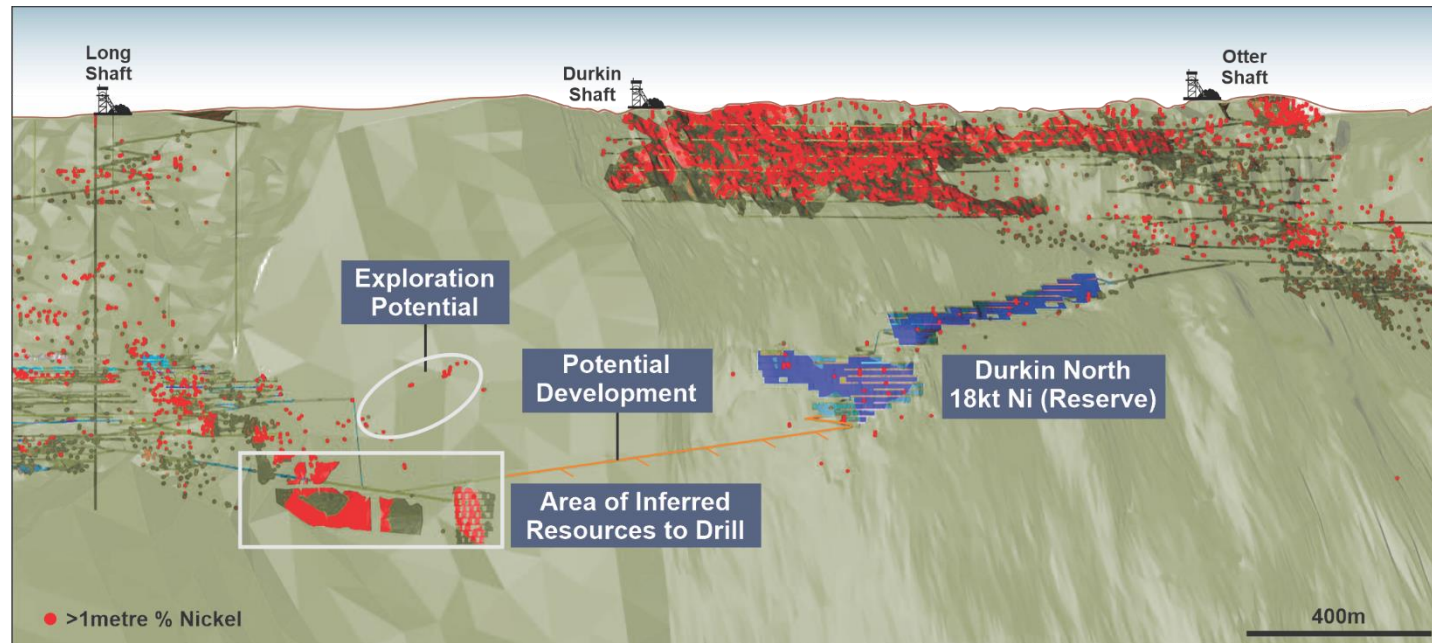


Integrated  
Mine  
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Plan well  
underway

## Opportunities under single ownership

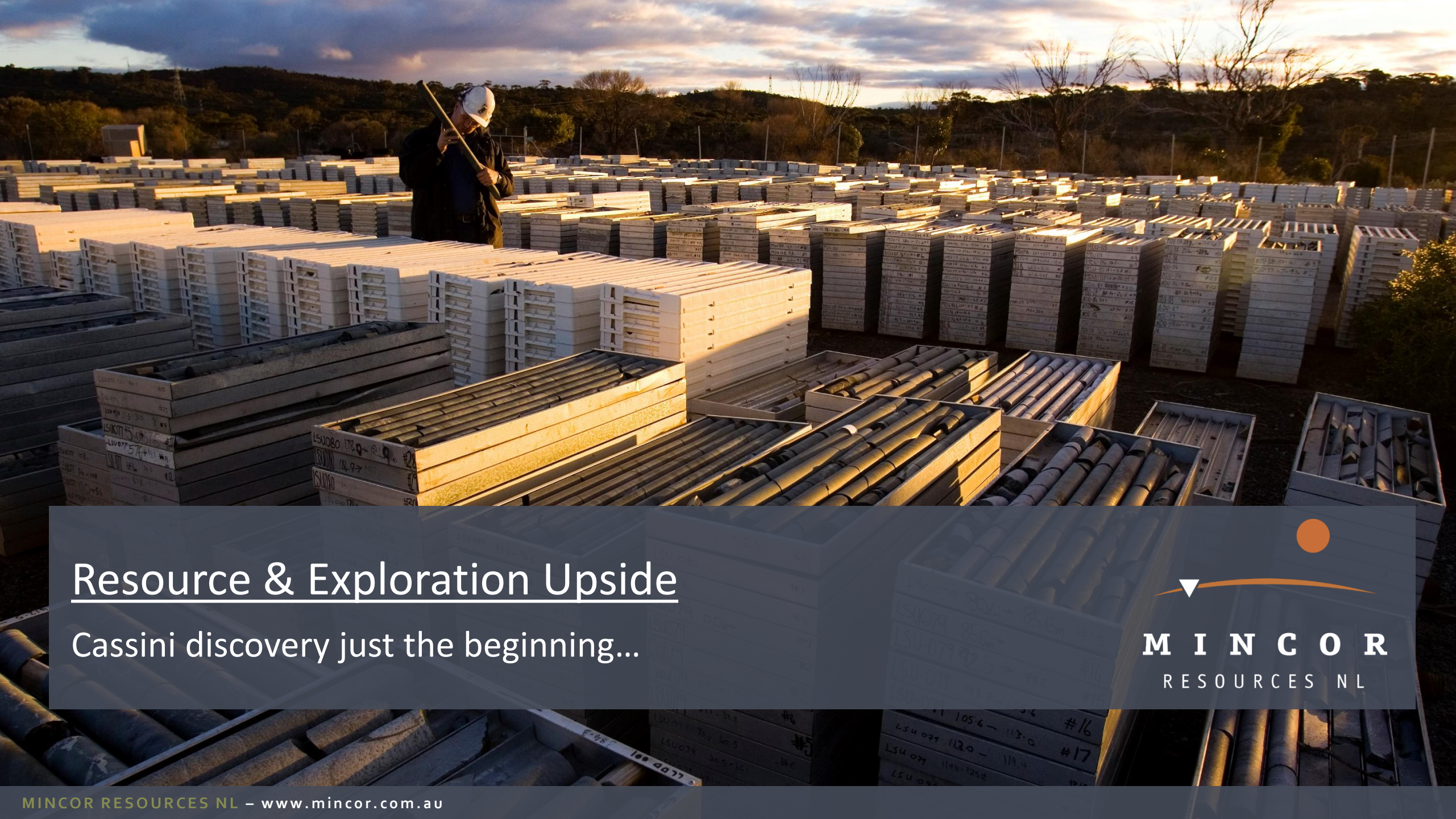
- Mincor seeking to leverage existing Long infrastructure and underground declines
- Potential to improve exploration and mining access at Mincor's Durkin North Ore Reserves through new access from Long Shaft
- Mineralisation may be continuous from Long North through to Mincor's Durkin North – previously untested due to lease boundaries
- Two underground drill rigs in the Spanner area at Long – aiming to convert Resources into the Indicated category
- Aiming to add Spanner into the Integrated Mine Restart Plan

Potential access to Durkin North and preliminary exploration areas



Integrated  
Mine  
Restart  
Plan well  
underway





# Resource & Exploration Upside

Cassini discovery just the beginning...



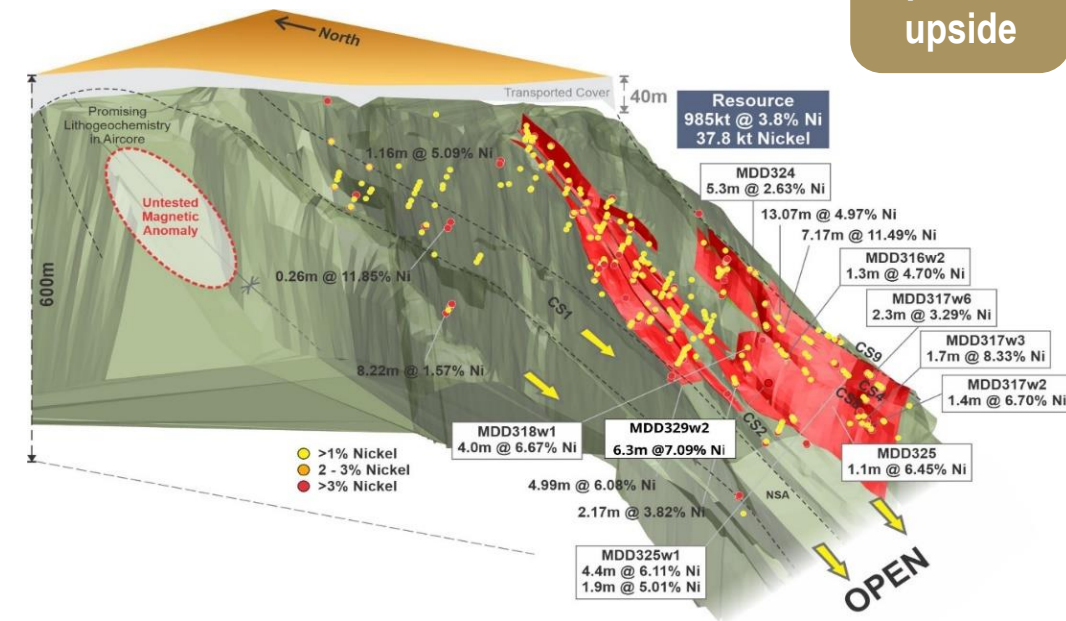


# Cassini – A Major High-Grade Discovery and Growing Resource

The first major high grade discovery in Kambalda region for many years

## Cassini Project

- **Upgraded Mineral Resource delivered August 2019 – 1.0Mt @ 3.8% Ni for 37.8kt of contained nickel**
- Diamond drilling ongoing to end of October, followed by testing of the CS1 trend and the untested magnetic anomaly
- **Recent new intersections in the CS5 trend announced in September:**
  - **MDD323W2: 15.4m @ 4.7% Ni** (13.2m true width)
  - Includes massive sulphide core of **8.6m @ 7.0% Ni** (7.3m true width)
  - **MDD329W2: 6.3m @ 7.1% Ni** (73m along strike from MDD323W2)
  - Includes **4.5m @ 9.0% Ni** and **0.4m @ 16.1% Ni**
  - First time Milerite has been detected
- Diamond drill rig moving to CS1 channel and untested magnetic anomaly

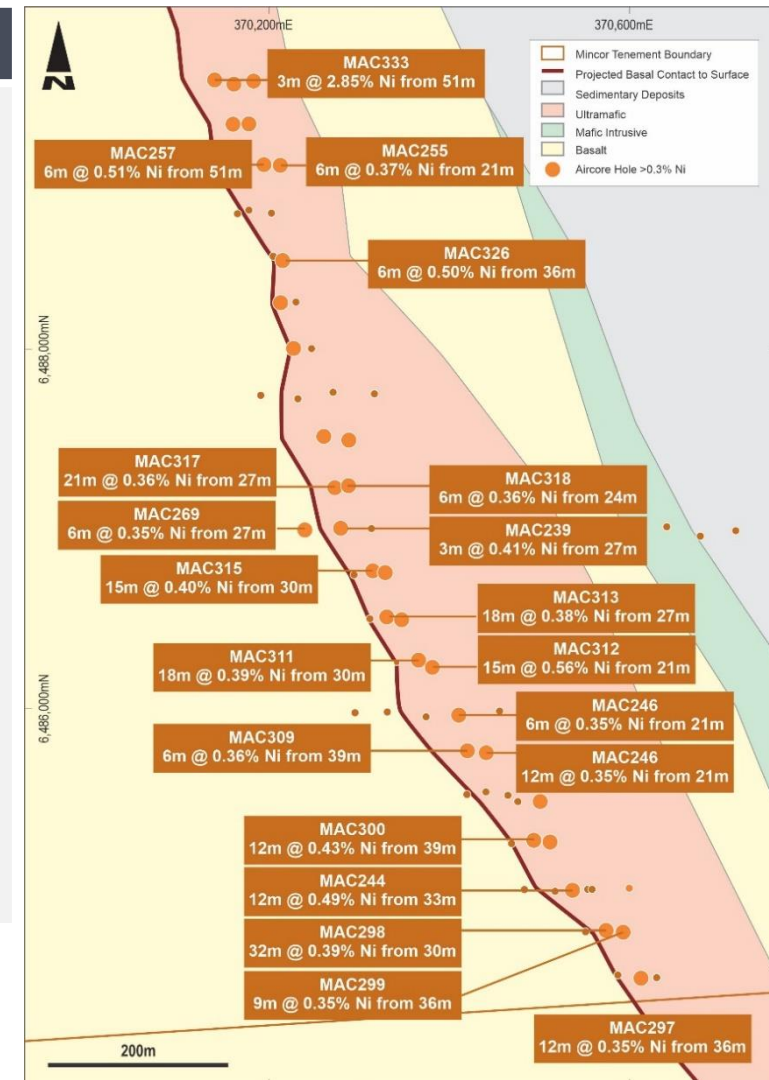




# Juno 4 – Located 4km south of Cassini

## A Cassini Look-alike

- New high resolution magnetics enhances regional potential
- Shallow air-core drilling on 50m space lines has delivered ideal shallow nickel intersections, that are akin to early Cassini results:
  - ✓ Highly significant intersection of 3m @ 2.85% Ni
  - ✓ Nickel mineralisation in nearly every hole
  - ✓ Less cover than Cassini
- Moving Loop EM recently completed and high priority targets identified to the north and south following a geophysics review
- RC drill program commenced 14 October targeting channels and embayment structures



# Kambalda Dome Assets – Seeing the Bigger Picture

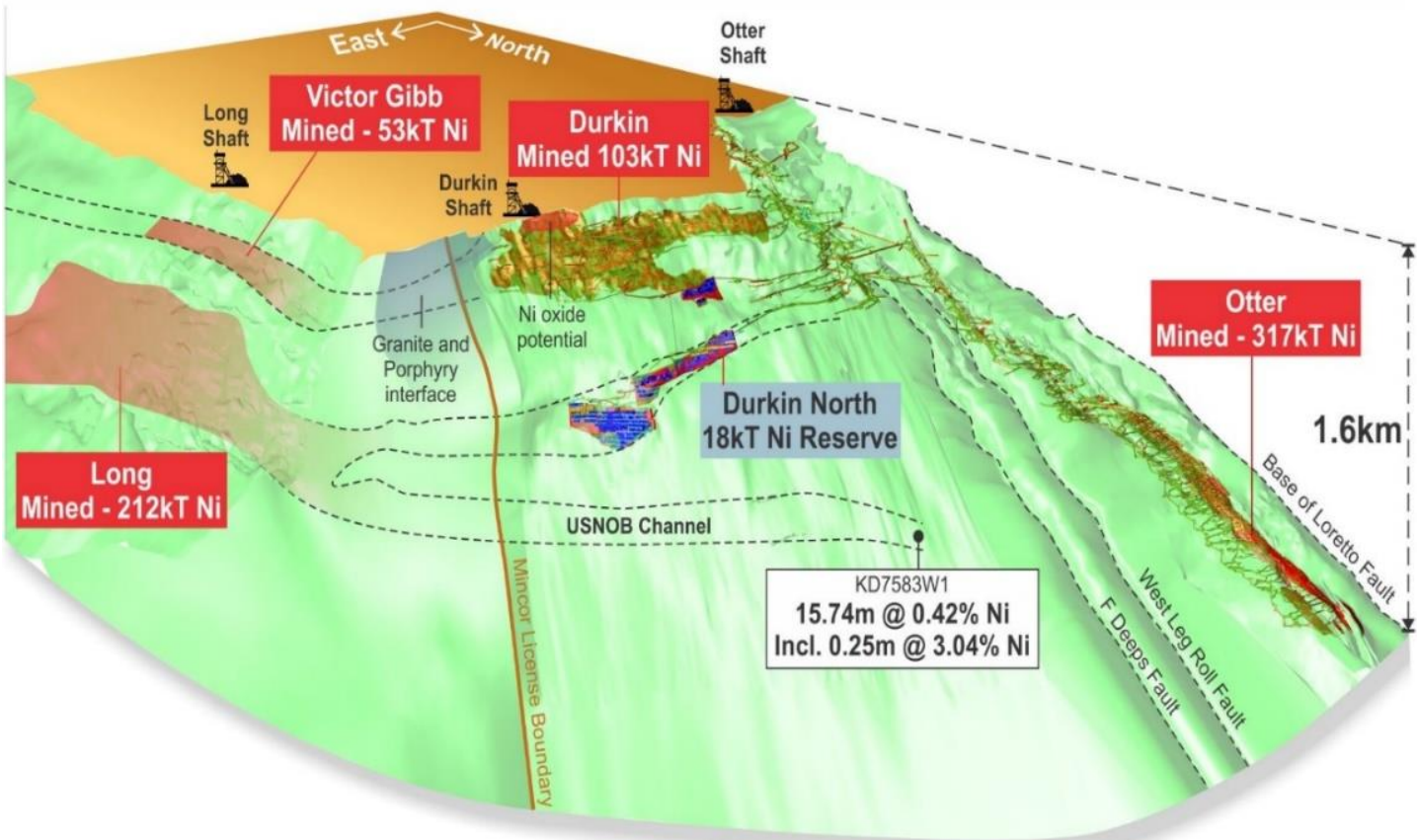


Figure: Conceptual connection of channel structures between Durkin and Long



# Corporate Summary and Team to Deliver

## Financial Information

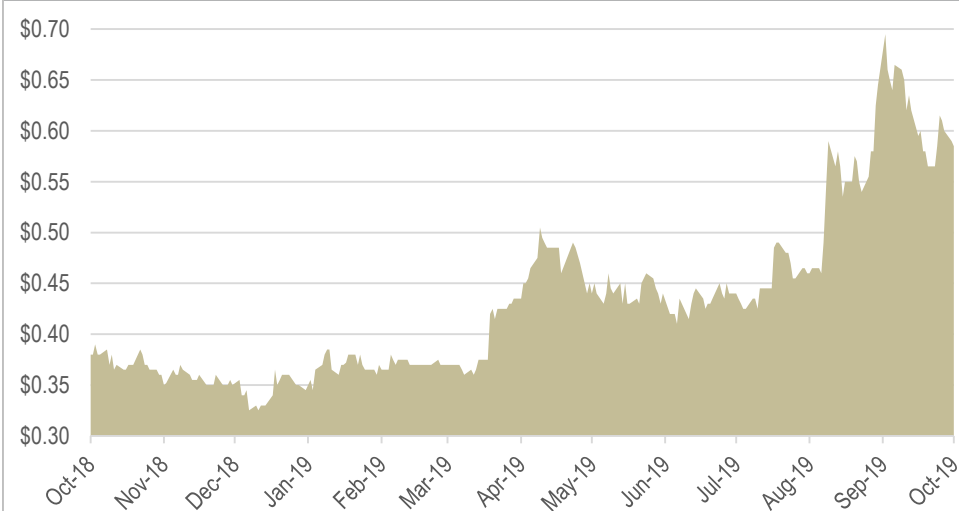
Shares on issue ~286.7m

Share price (11 October 2019) A\$0.62

Market cap (1 October 2019) ~A\$178m

Cash at 30 June 2019 A\$29.2m

## Mincor – ASX Code: MCR as at 1 October 2019



## Board

### Brett Lambert – Chairman

Mining Engineer with +30 years experience, ex-WMC

### David Southam – Managing Director

CPA with +25 years experience, ex-Western Areas

### Michael Bohm – Non-Exec Director

Past roles as mining engineer, mine manager, study manager, project director and MD

### Liza Carpene – Non-Exec Director

Corporate admin, HR, legal, IT and stakeholder relations, ex-Northern Star Resources

## Management

### Chen Sun – Chief Financial Officer

CPA with +15 years' experience

### Dean Will – Chief Operating Officer

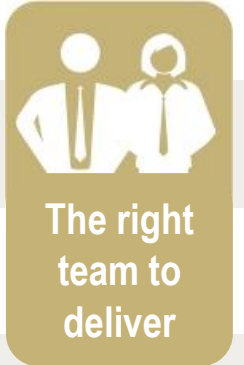
Mining Engineer with +33 years' experience, ex-Anglo and Mincor

### Robert Hartley – GM Exploration

+35 years' experience, including 20 years with Mincor

### Paul Darcey – GM Projects

19 years' industry experience, including 17 years with Mincor



## We have...

- High-quality nickel sulphide assets
- A dominant position in the world-class Kambalda District
- A clear vision to rapidly restart production
- An integrated restart plan that is targeting a new era of Kambalda nickel production
- An aggressive exploration program that continues to deliver results
- **A strong belief that we can generate new opportunities and a bright future for the Kambalda-Coolgardie region**



# Competent Person Statements

## Nickel Sulphide Mineral Resources as at 30 June 2019

| RESOURCE      | MEASURED       |            | INDICATED        |            | INFERRED       |            | TOTAL            |            |                |
|---------------|----------------|------------|------------------|------------|----------------|------------|------------------|------------|----------------|
|               | Tonnes         | Ni (%)     | Tonnes           | Ni (%)     | Tonnes         | Ni (%)     | Tonnes           | Ni (%)     | Ni tonnes      |
| Cassini       |                |            | 902,000          | 3.9        | 83,000         | 3.4        | 985,000          | 3.8        | 37,800         |
| Long          |                |            | 410,000          | 4.0        | 340,000        | 4.4        | 750,000          | 4.2        | 32,000         |
| Redross       | 39,000         | 4.9        | 138,000          | 2.9        | 67,000         | 2.9        | 244,000          | 3.2        | 7,900          |
| Burnett       | -              | -          | 241,000          | 4.0        | -              | -          | 241,000          | 4.0        | 9,700          |
| Miitel        | 156,000        | 3.5        | 408,000          | 2.8        | 27,000         | 4.1        | 591,000          | 3.1        | 18,100         |
| Wannaway      | -              | -          | 110,000          | 2.6        | 16,000         | 6.6        | 126,000          | 3.1        | 3,900          |
| Carnilya*     | 33,000         | 3.6        | 40,000           | 2.2        | -              | -          | 73,000           | 2.8        | 2,100          |
| Otter Juan    | 2,000          | 6.9        | 51,000           | 4.1        | -              | -          | 53,000           | 4.3        | 2,300          |
| Ken/McMahon** | 25,000         | 2.7        | 183,000          | 3.9        | 54,000         | 3.2        | 262,000          | 3.7        | 9,600          |
| Durkin North  | -              | -          | 417,000          | 5.3        | 10,000         | 3.8        | 427,000          | 5.2        | 22,400         |
| Durkin Oxide  |                |            | 154,000          | 3.2        | 22,000         | 1.7        | 176,000          | 3.0        | 5,200          |
| Gellatly      | -              | -          | 29,000           | 3.4        | -              | -          | 29,000           | 3.4        | 1,000          |
| Voyce         | -              | -          | 50,000           | 5.3        | 14,000         | 5.0        | 64,000           | 5.2        | 3,400          |
| Cameron       | -              | -          | 96,000           | 3.3        | -              | -          | 96,000           | 3.3        | 3,200          |
| Stockwell     | -              | -          | 554,000          | 3.0        | -              | -          | 554,000          | 3.0        | 16,700         |
| <b>TOTAL</b>  | <b>256,000</b> | <b>3.7</b> | <b>3,783,000</b> | <b>3.7</b> | <b>633,000</b> | <b>3.9</b> | <b>4,671,000</b> | <b>3.7</b> | <b>175,300</b> |

### Notes:

Figures have been rounded and hence may not add up exactly to the given totals.

Nickel Mineral Resources are inclusive of nickel Ore Reserves reported at 1.0% Ni cut-off.

\* Nickel Mineral Resource shown for Carnilya Hill are those attributable to Mincor – that is, 70% of the total Carnilya Hill nickel Mineral Resource.

The information in this presentation that relates to nickel Exploration Results, Exploration Targets and Mineral Resources is based on information compiled and reviewed by Mr Hartley, who is a Member of the Australasian Institute of Mining and Metallurgy (AusIMM). Mr Hartley is a full-time employee of Mincor Resources NL. Mr Hartley has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity that he is undertaking to qualify as Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Hartley consents to the inclusion in the presentation of the matters based on his information in the form and context in which it appears.

# Competent Person Statements (continued..)

## Nickel Ore Reserves as at 30 June 2018

| RESERVE      | PROVED |        | PROBABLE  |        | TOTAL     |        |           |
|--------------|--------|--------|-----------|--------|-----------|--------|-----------|
|              | Tonnes | Ni (%) | Tonnes    | Ni (%) | Tonnes    | Ni (%) | Ni tonnes |
| Burnett      | -      | -      | 271,000   | 2.6    | 271,000   | 2.6    | 6,900     |
| Miitel       | 28,000 | 2.6    | 129,000   | 2.2    | 157,000   | 2.3    | 3,600     |
| Durkin North | -      | -      | 708,000   | 2.5    | 708,00    | 2.5    | 17,700    |
| Total        | 28,000 | 2.6    | 1,108,000 | 2.5    | 1,136,000 | 2.5    | 28,200    |

Figures have been rounded and hence may not add up exactly to the given totals. Resources are inclusive of Reserves.

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