

# SCANDIUM INTERNATIONAL

MINING CORP.

TSX: SCY

[www.scandiummining.com](http://www.scandiummining.com)



## CORPORATE PRESENTATION

NOVEMBER 2018

# CAUTIONARY NOTES

## Forward-looking Statements

This presentation contains certain statements that may be deemed "forward-looking statements". All statements in this release, other than statements of historical fact, that address future production, reserve potential, exploration drilling, exploitation activities and events or developments that the Company expects to occur, are forward-looking statements. Forward-looking statements are statements that are not historical facts and are generally, but not always, identified by the words "objective", "targeting", "targeted", "to follow", "intends", "anticipation", "potential", "plan", "expect" and similar expressions, or that events or conditions "will", "would", "may", "could" or "should" occur. Information inferred from the interpretation of drilling results and information concerning mineral resource estimates may also be deemed to be forward-looking statements, as it constitutes a prediction of what might be found to be present when and if a project is actually developed. Although the Company believes the expectations expressed in such forward-looking statements are based on reasonable assumptions, such statements are not guarantees of future performance and actual results may differ materially from those in the forward-looking statements. Forward-looking statements are based on the beliefs, estimates and opinions of the Company's management on the date the statements are made. The Company undertakes no obligation to update these forward-looking statements in the event that management's beliefs, estimates or opinions, or other factors, should change.

## Resource Estimates

This document uses the term "resources", "measured resources" and "indicated resources". United States investors are advised that, while such terms are recognized and required by Canadian securities laws, the United States Securities and Exchange Commission (the "SEC") does not recognize them. United States investors are cautioned not to assume that all or any part of measured or indicated resources will ever be converted into reserves. National Instrument 43-101 Standards of Disclosure for Mineral Projects ("NI 43-101") is a rule developed by the Canadian Securities Administrators, which established standards for all public disclosure an issuer makes of scientific and technical information concerning mineral projects. All resource estimates contained in this circular have been prepared in accordance with NI 43-101 and the Canadian Institute of Mining, Metallurgy and Petroleum Classification System.



## Qualified Person

Mr. Willem Duyvesteyn, MSc, AIME, CIM, a Director of Scandium International and a "qualified person" within the definition of that term in NI 43-101, has approved the technical information contained in this news release.

# INVESTMENT HIGHLIGHTS — SCY

**SCY will alter the scandium market.** The company is on course to build the world's first primary scandium mine, in 2019.

**This is a growth story.** Al-Sc alloys will be sought-after solutions in multiple aluminum market segments, and the project can grow with the market.

**The location/deposit style is a game-changer.** NSW laterites promise to address limited existing supply levels, do so from an OECD sourcing location, and deliver product at price levels customers will find attractive.

**A value moment.** SCY's market cap is lagging multi-product (Ni/Co/Sc) investment alternatives, despite its' comparative advanced-stage position, project NPV, and scandium-only focus.

**Marketing momentum evident.** SCY is delivering a growing list of LOI's, demonstrating support for the value proposition in varied applications, a wide customer interest, and strong longer term growth.



# NYNGAN SCANDIUM PROJECT — STATUS

BUILD DECISION AWAITING SUFFICIENT CUSTOMER OFFTAKES

RESOURCE	FEASIBILITY	PERMITTING	MARKETING	FINANCE
<b>16.8Mt</b> (M&I)	<b>DFS</b> Filed	<b>Development Consent</b> Received	<b>FIRST OFFTAKE</b> Signed	CapEx <b>US\$87M</b>
Scandium Grade <b>235ppm</b>	<b>\$220M</b> NPV (8%)	<b>MINE LEASE</b> Granted	<b>LOI's List</b> Building	<b>3</b> Year Payback
<b>+200 yr</b> Resource	<b>33%</b> IRR	<b>Community Agreement</b> Signed	<b>Master Alloy Or Sc Oxide Product</b>	<b>Big Growth Upside</b>
<b>N1 43-101</b>	<b>N1 43-101</b>	<b>GOV'T OKs</b>	<b>MOMENTUM</b>	<b>RIGHT-SIZED</b>

Definitive Feasibility Study ("DFS"). The DFS, dated May 4, 2016, entitled *Feasibility Study - Nyngan Scandium Project, NSW, Australia*, is available on SEDAR. The DFS was authored by Lycopodium, of Brisbane, QLD, Australia, was done to a +15%/-5% standard of accuracy, is based on a measured and indicated resource, and established a reserve on a portion of the resource, all compliant with NI 43-101 resource reporting.

# CORPORATE OVERVIEW

## TICKER (TSX) – SCY.To

### CAPITALIZATION

OUTSTANDING SHARES	304.8M
MANAGEMENT OPTIONS	29.9M
OUTSTANDING WARRANTS	NONE
INSIDER/MGMT OWNERSHIP	46%
CASH (Q2 2018 FINANCIALS)	US\$1.2M
DEBT	NONE

### STOCK INFORMATION

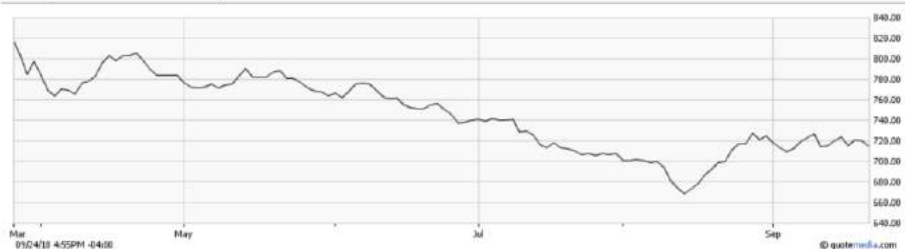
CURRENT SHARE PRICE	C\$0.22
CURRENT MARKET CAP. (I/O)	C\$65M
52 WEEK STOCK PRICE (hi/lo)	C\$0.32/0.12
AVERAGE 90 DAY TRADE VOLUME	150K s/d

### SCY SHARE PRICE PERFORMANCE (4 months)



### TSX.V OVERALL PERFORMANCE (6 months)

Charting for S&P/TSX Venture Composite Index



# SCANDIUM INTERNATIONAL MINING CORP.

## WHO WE ARE

TSX MAIN BOARD  
LISTED MINING JUNIOR



INTEND TO BUILD & RUN THE WORLD'S  
FIRST PRIMARY SCANDIUM MINE

CURRENT OBJECTIVE



MARKET DEVELOPMENT ON A +\$1Bn  
MARKET FOR SCANDIUM IN AI ALLOYS

PROJECT DEVELOPMENT  
STATUS



FEASIBILITY STUDY COMPLETED, FULLY  
PERMITTED, SEEKING OFFTAKES

EXPERIENCED  
TEAM IN PLACE



MGM'T HAS RUN MINES, IN SPECIALTY  
METALS, AND PREVIOUSLY CREATED  
WEALTH FOR SHAREHOLDERS



# NYNGAN SCANDIUM PROJECT

LOW COST, SINGLE PRODUCT FOCUS, RIGHT-SIZED

SCY HAS CLEAR FIRST-MOVER ADVANTAGE



NYNGAN IS SHOVEL-READY, WITH AN EXPERIENCED MGM'T TEAM

BIG GROWTH POTENTIAL- BOTH MARKET & PROJECT



MULTIPLE ALUMINUM SECTORS SEEKING A BETTER ALLOY CHOICE

MINE-FRIENDLY AUSTRALIA LOCATION A BIG PLUS



HISTORIC CHINA/RUSSIA SOURCING HAS DISCOURAGED SCANDIUM USE

ROBUST PROJECT RETURNS (DFS)



US\$87M CAPEX, US\$220M NPV<sub>8%</sub> +3X EXPANSION POTENTIAL



# SCANDIUM

## DEVELOPING A NEW ALUMINUM ALLOY MARKET — NOW

SUPPLY  
CONSTRAINED?



A HISTORICAL PROBLEM WITH  
A SOLUTION ON THE HORIZON

COST  
CONSTRAINED?



NEW DIRECT-MINED  
RESOURCES ARE LOWER COST

VALUE  
UNDERSTOOD



KNOWN STRENGTH AND ALLOY  
PROPERTY IMPROVEMENTS

LARGE WAITING  
MARKETS



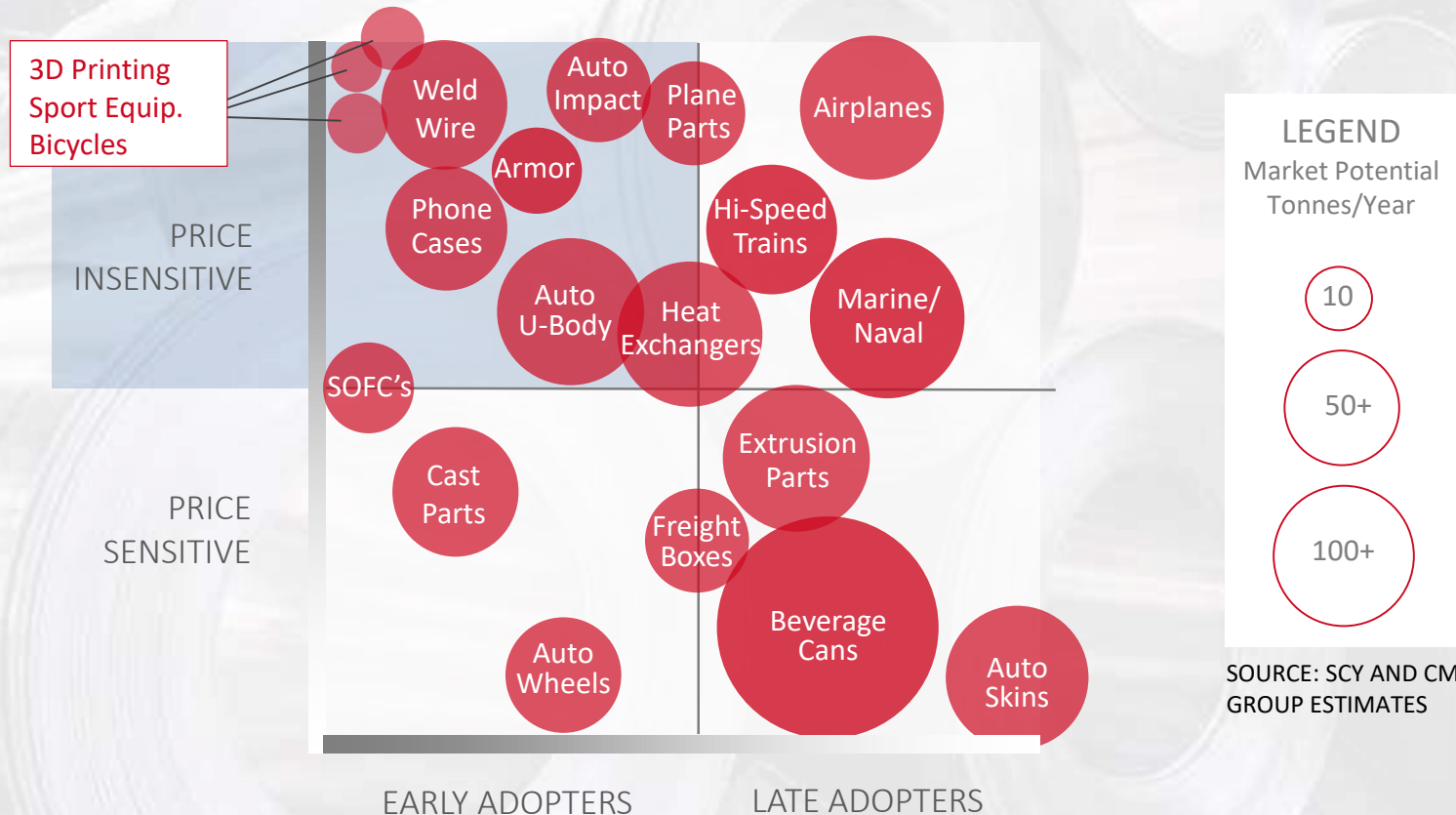
A BETTER ALUMINUM FEEDING  
THE LIGHTWEIGHTING TREND





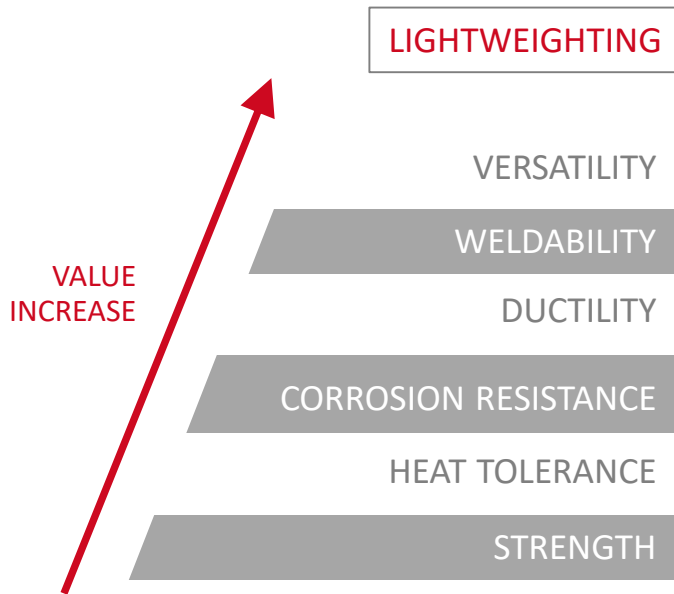
# SCANDIUM

## THE MARKET FOR Al-Sc ALLOYS IS LARGE AND DIVERSE

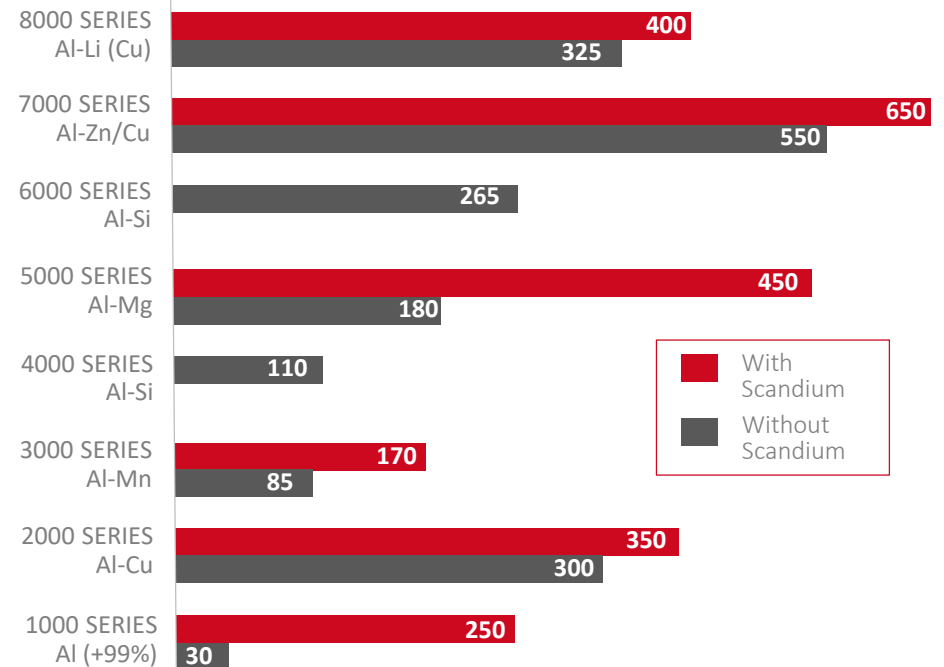


# SCANDIUM PROMOTES SUPERIOR PERFORMANCE

## WIDENS THE ALUMINUM ALLOY CHOICE

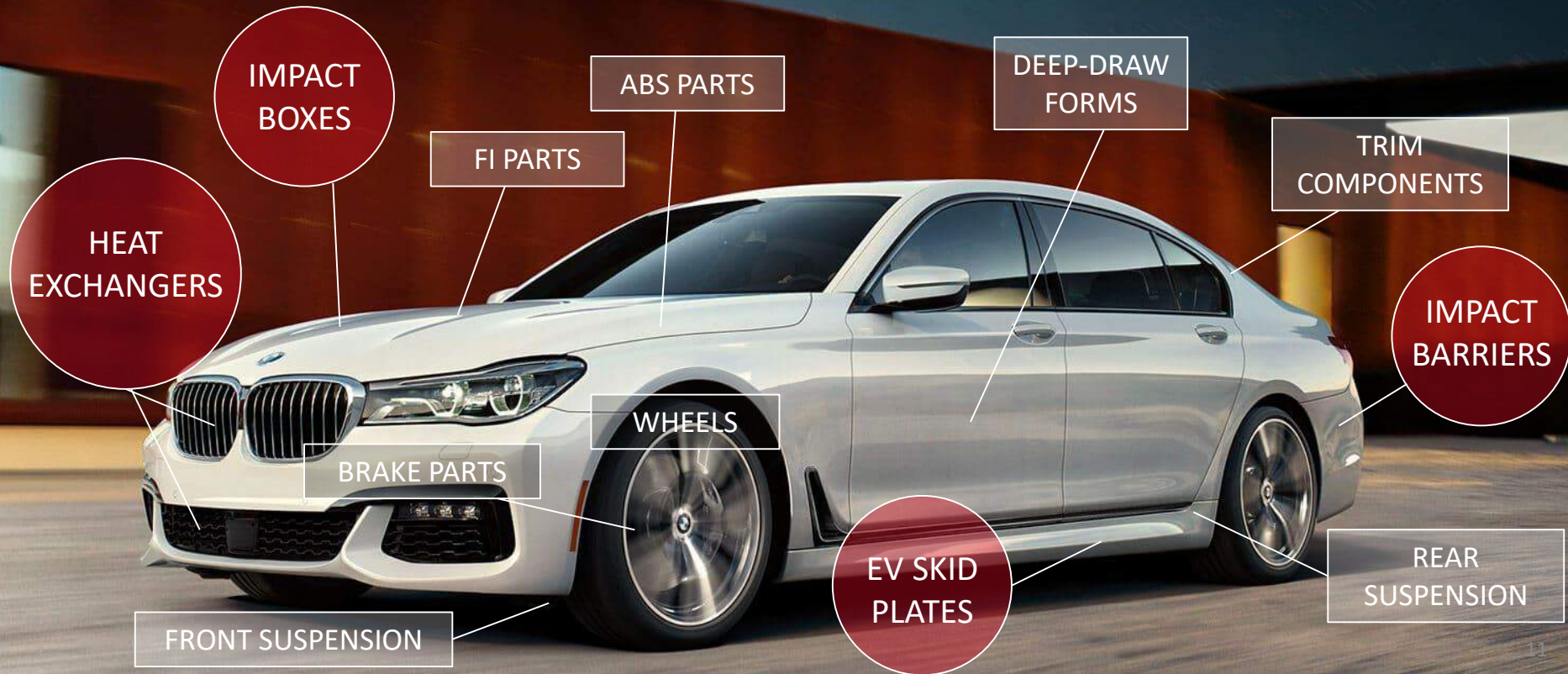


### SCANDIUM'S EFFECT ON YIELD STRENGTH (MPa)



# AUTOMOTIVE APPLICATIONS

BETTER METAL FOR BETTER PERFORMANCE

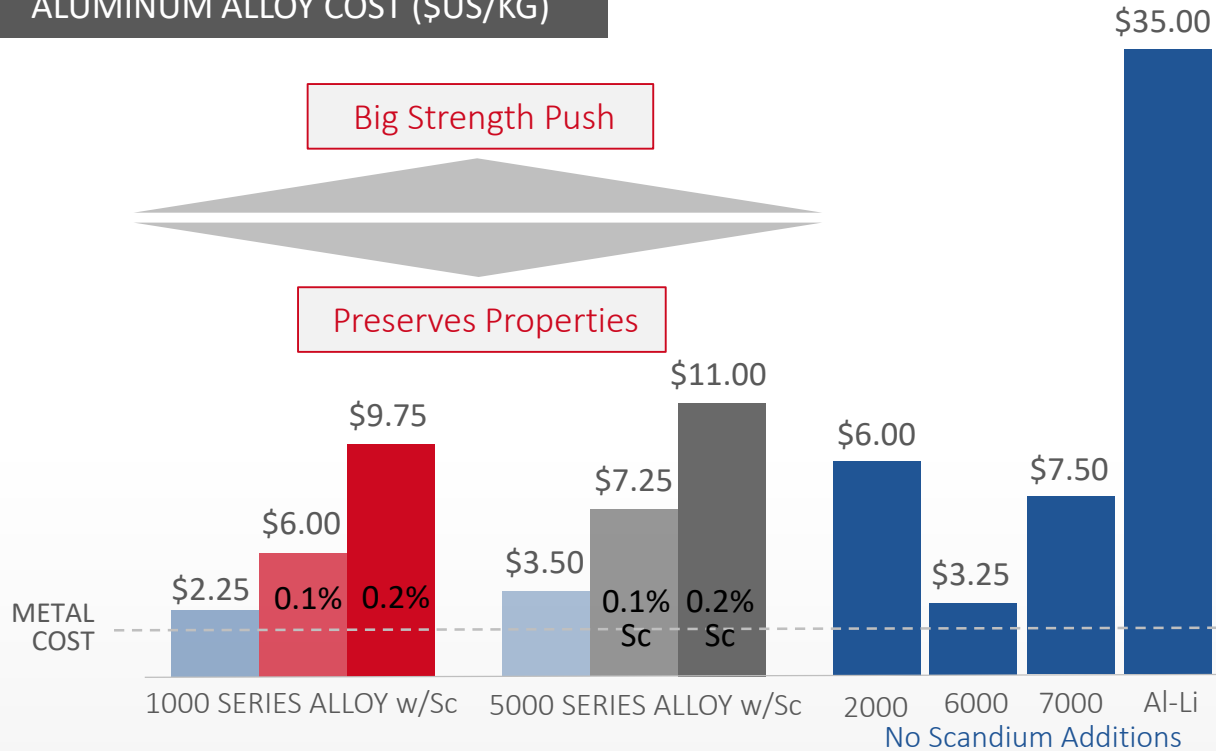


# SCANDIUM'S COST EFFECT ON ALUMINUM

## WILL NOT STOP INNOVATION WITH IMPROVED ALLOYS



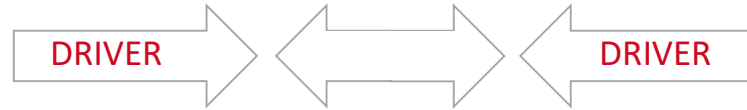
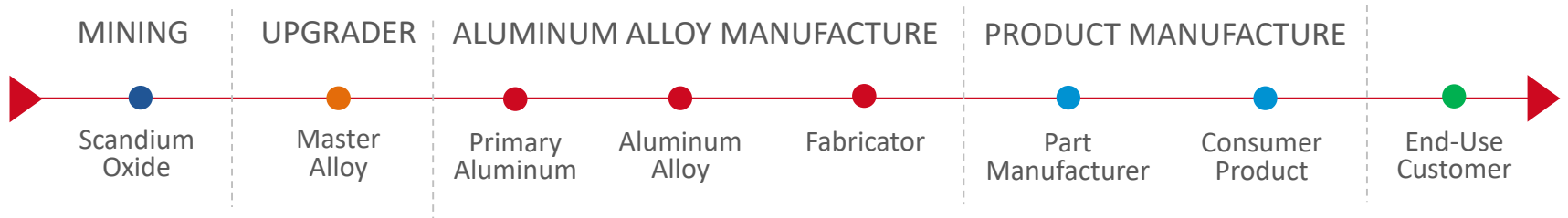
### ALUMINUM ALLOY COST (\$US/KG)



NOTE: Price estimates for Sc additions reflect Sc cost + small manufacturing cost additions, 3/30/18 LME price @ US\$2,000/tonne

# ALUMINUM ALLOY SUPPLY CHAIN

## MINE TO END-USE CUSTOMER



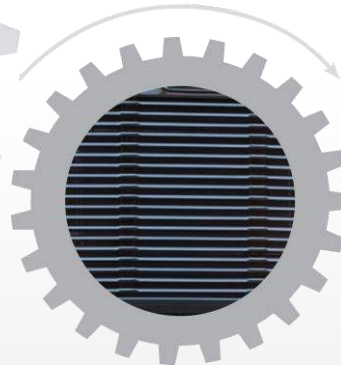
1. Al Alloy, as Ingot, Billet, or slab



2. Cast, Sheet, Foil, & Extrusion



3. Part Example: Radiator



4. Product Example: Truck Manufacturer



# CUSTOMER OFFTAKE STRATEGY

## NEXT STEPS TO FINAL INVESTMENT DECISION

**First offtake in place** (225t Al-Sc master alloy), with group capable of in-house conversion to aluminum alloy.

On course to **complete numerous additional LOI's**, as a vehicle to **supply scandium samples** for evaluation.

**LOI group** already represents a substantial portfolio of **potential end-use customers** - prime candidates for offtakes.

**Will build the LOI group portfolio** to support both a varied customer base and longer term expansion for the project.

Intend to **offer master alloy product**, as preferred form of scandium product.

Goal is **completion of offtake agreements as top priority** for team, in Q4 2018 - Q1 2019.



# WHY SCANDIUM INTERNATIONAL?

## WHY NOW?

- We are **serious about building a mine** and a fresh, new specialty metal market.
- **Markets taking shape now**. LOI's signal genuine customer interest.
- **SCY valuation** very strong relative to peers.
- We anticipate **Nyngan is first to market**, with the only primary scandium project.
- **Excellent growth potential** for the project to pace market upsurge in near/med term.
- **Experienced team**-in specialty metals.
- Right-sized project with **robust economics** makes for construction finance options.





APPENDIX



# POTENTIAL SCANDIUM PRODUCERS (Australia/USA)

## PEER REVIEW STATUS

COMPANY	PROJECT	RESOURCE	ECONOMICS		PERMITS	SCANDIUM OFFTAKES	FINANCE	INITIAL PRODUCT DATE	CAPITAL COST ESTIMATE	PRODUCTS	MARKET CAP/ PROJECT NPV
			PFS	DFS							
Scandium International	Nyngan	●	●	●	●	◐	⊖	2020	US\$87M	SCANDIUM ONLY	20%
CleanTeQ	Sunrise	●	●	●	●	◐	⊖	2021	US\$1.5Bn	Ni/Co Scandium?	18%
NioCorp	Elk Creek	●	●	●	◐	●	⊖	2021	US\$1.1Bn	Nb/Ti SCANDIUM	5%
Platina Resources	Owendale	●	●	● <sup>2018</sup>	●	●	⊖	2021	US\$94M	SCANDIUM & Ni/Co PGM?	13%
Australian Mines Ltd.	SCONI	●	● <sup>2018</sup>	●	●	●	⊖	n/a	n/a	Ni/Co Scandium?	n/a
Australian Mines Ltd.	Flemington	●	●	●	●	●	⊖	n/a	n/a	Ni/Co SCANDIUM	n/a

# EXPANDING PARTNER RELATIONSHIPS

## DRIVING MARKETING PROGRESS

