



# TAO Commodities

Potential massive scale in west Tennessee

January 2021

ASX: TAO



# Disclaimers

## Forward Looking Statements

Information included in this release constitutes forward-looking statements. Often, but not always, forward looking statements can generally be identified by the use of forward looking words such as “may”, “will”, “expect”, “intend”, “plan”, “estimate”, “anticipate”, “continue”, and “guidance”, or other similar words and may include, without limitation, statements regarding plans, strategies and objectives of management, anticipated production or construction commencement dates and expected costs or production outputs.

Forward looking statements inherently involve known and unknown risks, uncertainties and other factors that may cause the Company’s actual results, performance, and achievements to differ materially from any future results, performance or achievements. Relevant factors may include, but are not limited to, changes in commodity prices, foreign exchange fluctuations and general economic conditions, increased costs and demand for production inputs, the speculative nature of exploration and project development, including the risks of obtaining necessary licenses and permits and diminishing quantities or grades of reserves, political and social risks, changes to the regulatory framework within which the company operates or may in the future operate, environmental conditions including extreme weather conditions, recruitment and retention of personnel, industrial relations issues and litigation.

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Although the Company attempts and has attempted to identify factors that would cause actual actions, events or results to differ materially from those disclosed in forward looking statements, there may be other factors that could cause actual results, performance, achievements or events not to be as anticipated, estimated or intended, and many events are beyond the reasonable control of the Company. Accordingly, readers are cautioned not to place undue reliance on forward looking statements. Forward looking statements in these materials speak only at the date of issue. Subject to any continuing obligations under applicable law or any relevant stock exchange listing rules, in providing this information the company does not undertake any obligation to publicly update or revise any of the forward looking statements or to advise of any change in events, conditions or circumstances on which any such statement is based.

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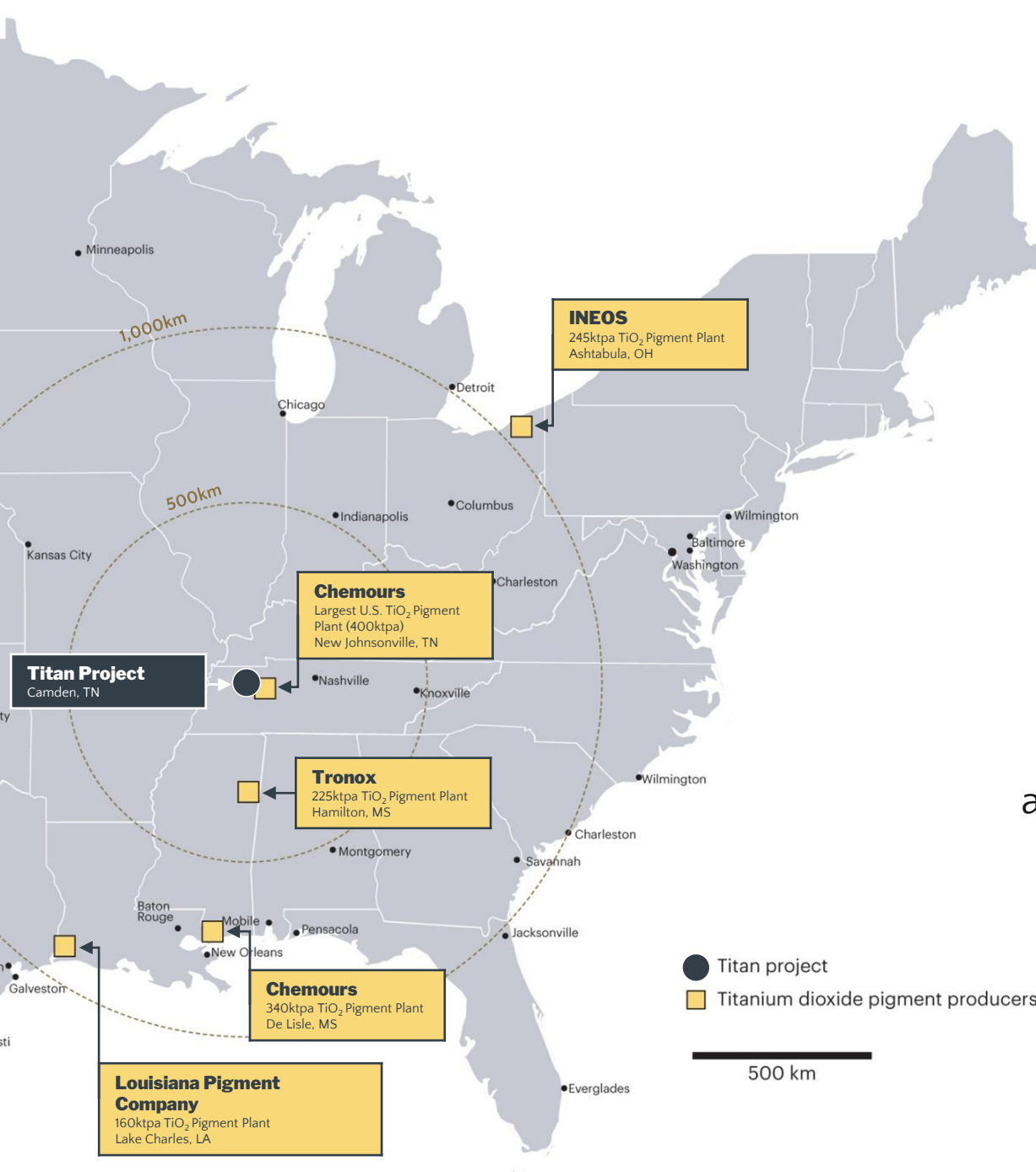
## Competent Persons Statements

The information in this presentation that relates to Exploration Results is extracted from the Company’s ASX Announcement titled ‘Maiden Drill Results Confirm Potential For A Thick, High Grade U.S. Titanium & Zircon Deposit’ dated 7 January 2021 and ‘Phase 2 Sampling Results Extend Prospect Areas At Milford’ dated 3 November 2020 (“Original ASX Announcements”) which are available to view at the Company’s website at [taocommodities.com.au](http://taocommodities.com.au).

The Company confirms that a) it is not aware of any new information or data that materially affects the information included in the Original ASX Announcements; b) all material assumptions included in the Original ASX Announcements continue to apply and have not materially changed; and c) the form and context in which the relevant Competent Persons’ findings are presented in this report have not been materially changed from the Original ASX Announcements.

# Titan Project: Highlights

Strategic U.S. Location	World-class location in Tennessee, U.S.A, on the doorstep of the titanium industry which is 94% import dependent on titanium minerals (A\$1 billion imported in 2019)
Outstanding 1 <sup>st</sup> Phase Drill Results	Potential large & simple HMS project with assemblage high in titanium and zircon
Infrastructure & Cost Advantage	Unbeatable existing utility and logistics infrastructure in a very low-cost operating environment
Critical Minerals	Titanium and zircon are designated critical minerals to the U.S. – potential for access to Federal funding programs
Team	Highly experienced management team with a track record of development success in the U.S.



# Titan Titanium & Zircon Heavy Mineral Sand Project

World-class location with outstanding logistical advantage to end users in the U.S. and export markets



# Titanium, zircon and other metals found in mineral sands are critical for the development of our modern world...

Space



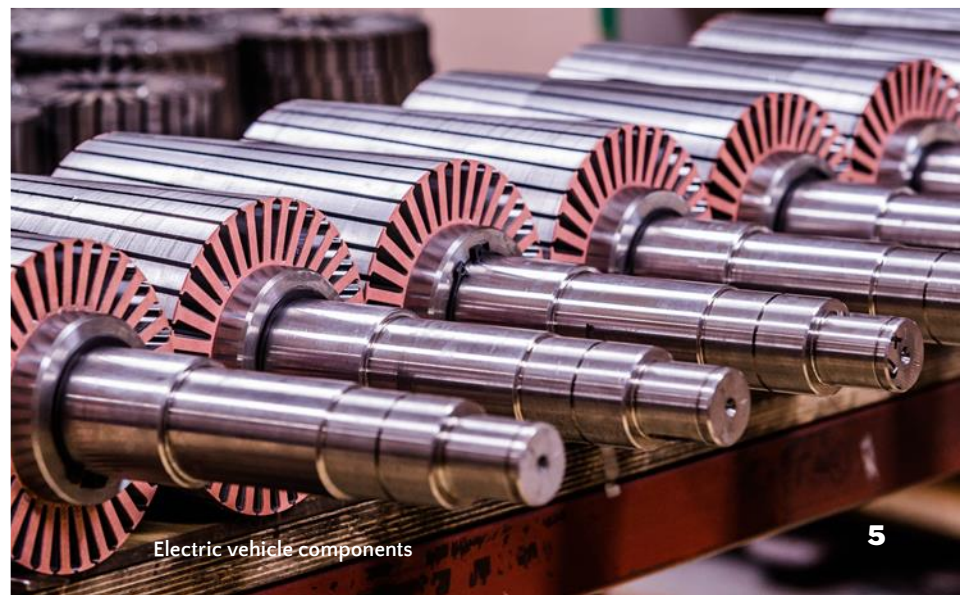
Aerospace



Solar Panels



Electric vehicle components



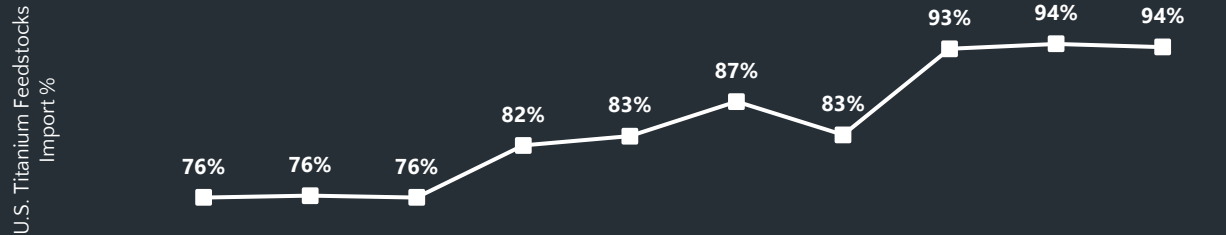


**... whilst also having a huge presence in established industries**



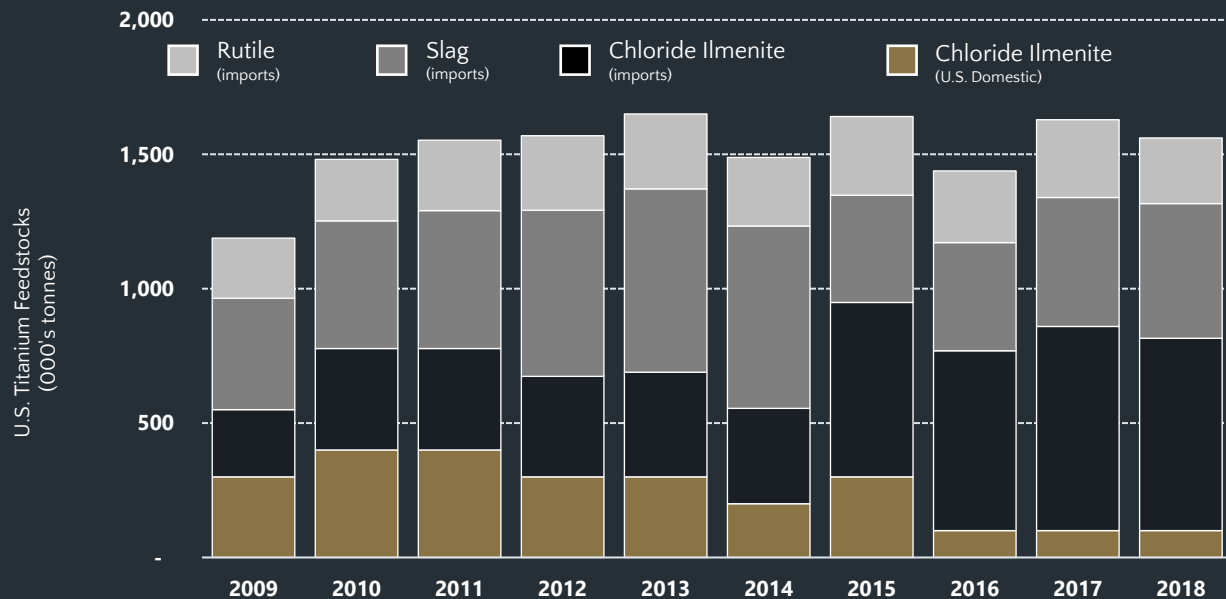
# The U.S. is increasingly import dependent on these critical metals, with new domestic sources required

U.S. titanium feedstock: import % of requirements & value breakdown



**94%**

*U.S. import dependence  
on titanium feedstock*



**A\$1.2B**

*U.S. titanium feedstock value  
breakdown  
(1.5mtpa in 2019)*

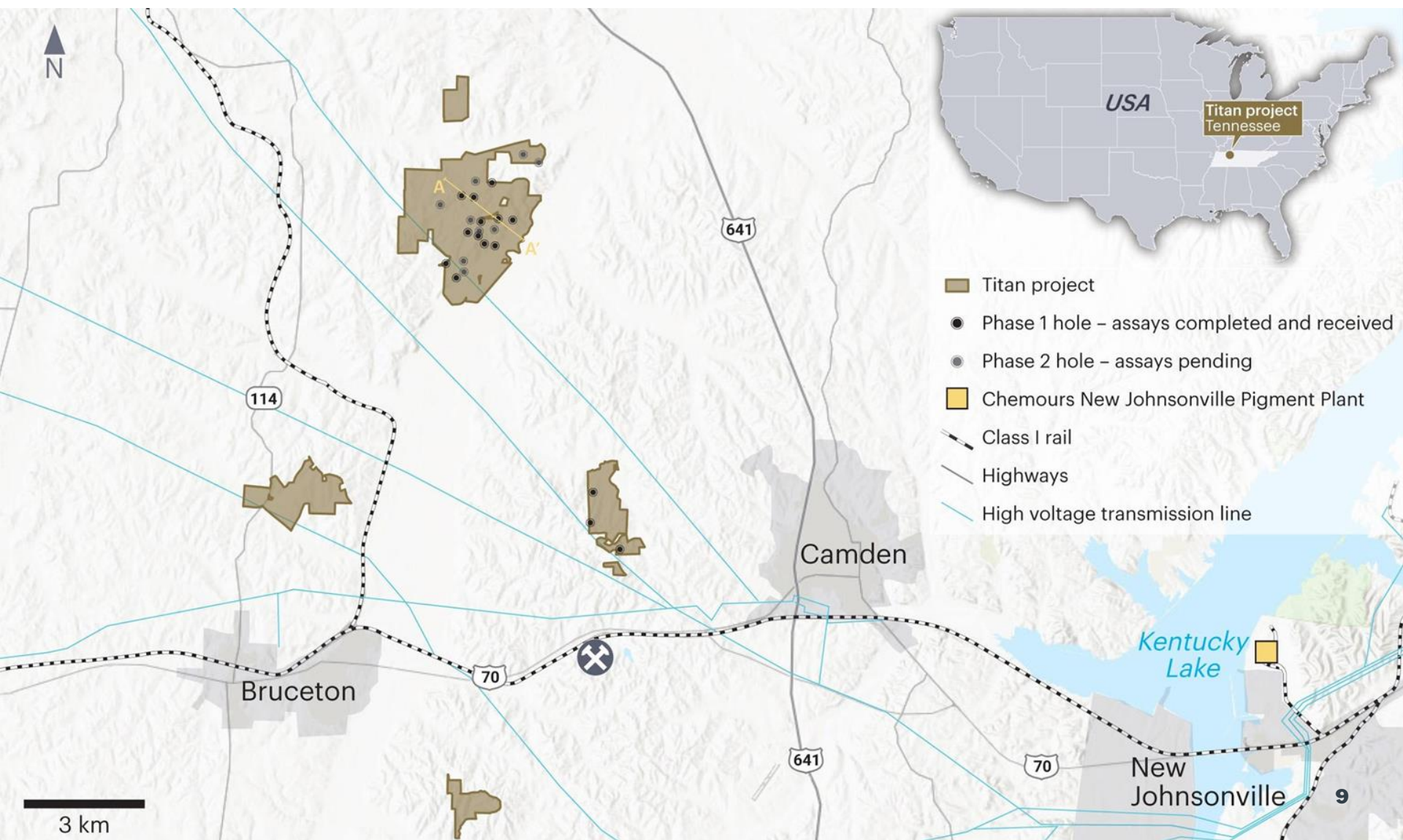


# Tennessee's McNairy Sand has the potential to be a large domestic source of titanium & zircon in the U.S.

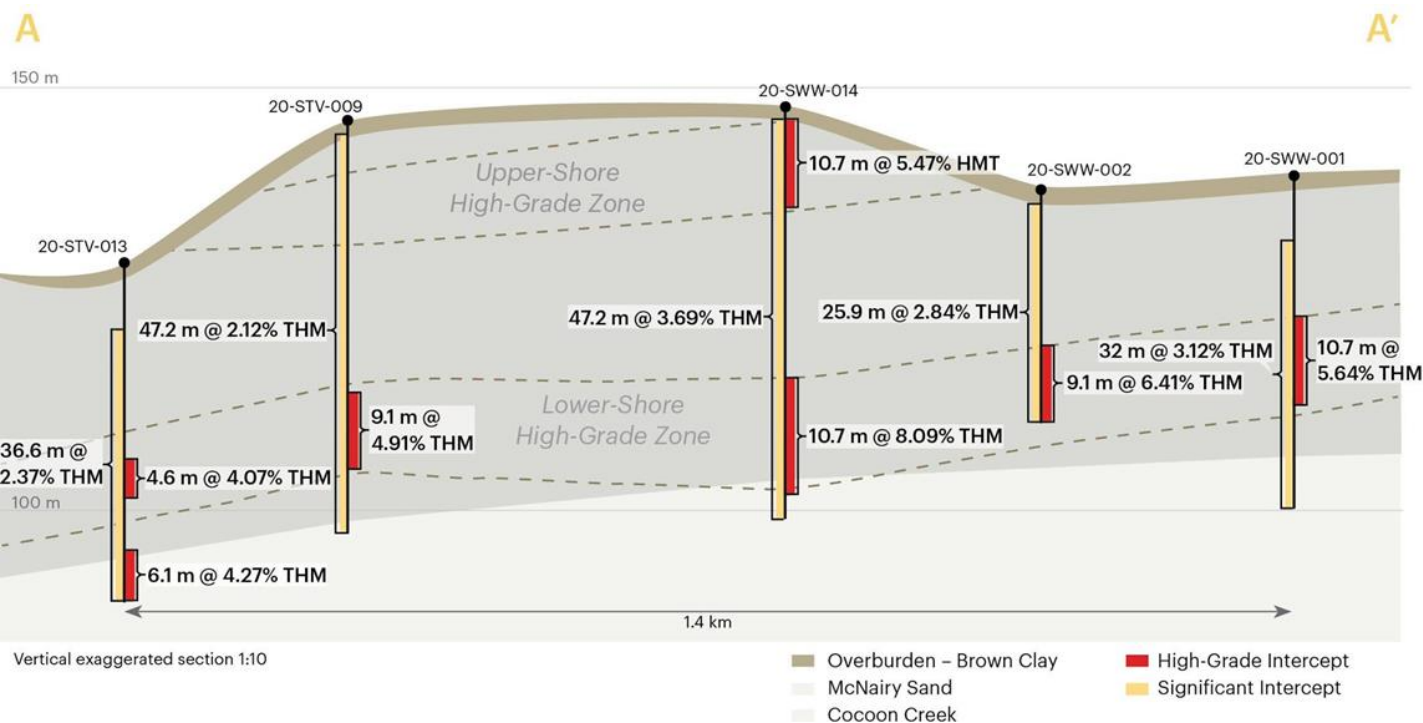




# The Company has secured a major land package over the McNairy Sand, with exploration progressing rapidly

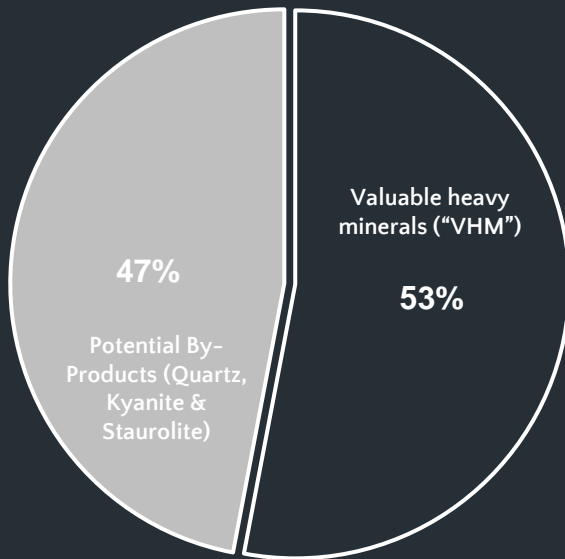


# Exceptional Phase 1 drill results highlighted scale and high grade potential in the McNairy Sand...



# ... in addition to being rich in high value titanium, zircon and other critical metals

Total THM Breakdown



VHM Assemblage

% VHM	Mineral Description		Pricing
16.9%	Rutile	Naturally occurring very high grade titanium dioxide feedstock, typically with TiO2 content of 92-95%	+\$1,200 / tonne
14.5%	Zircon	High value mineral used in many industrial and chemical applications	+\$1,500 / tonne
21.6%	Leucoxene	Naturally occurring altered ilmenite titanium dioxide feedstock, typically with TiO2 content up to 90%	+\$700 / tonne
43.4%	Hi-Ti Ilmenite	Naturally occurring titanium dioxide feedstock, typically with TiO2 content of 58-62%	+\$200 / tonne
1.8%	Monazite	High value mineral often containing rare earth elements including Neodymium and Praseodymium	+\$3,000 / tonne
1.7%	Other minerals	Other valuable Ti minerals, primarily titanomagnetite	\$180 / tonne



# Infrastructure rich location close to major end-users, including the largest pigment plant in the U.S.





# With a major U.S. logistical advantage for titanium, one of the most critical metals



# Infrastructure reduces capital and operating costs



High Voltage Power



Camden, Tennessee











# Skilled local workforce with experience in mining & processing



High quality silica sand mining operation, Camden, TN

# Key milestones and value drivers

## *Ticking the boxes on the way to success*

 Key personnel & consultant appointments	4 <sup>th</sup> Quarter 2020
 Land consolidation	4 <sup>th</sup> Quarter 2020
 Maiden drill program results	4 <sup>th</sup> Quarter 2020
 2nd Phase drill program results	1 <sup>st</sup> Quarter 2021
 3rd Phase drill program results	1 <sup>st</sup> Quarter 2021
 Bulk sample and metallurgical results	2 <sup>nd</sup> Quarter 2021
 Maiden JORC compliant resource	1 <sup>st</sup> Half 2021
 Scoping study / Initial technoeconomic assessment	1 <sup>st</sup> Half 2021

# Founders & Track Record

## **Anastasios Arima**

*Executive Director*

15 years experience founding multiple mining & natural resources companies with successful record of identifying opportunities, raising finance and building strong teams. Founder of ASX / Nasdaq-listed Piedmont Lithium.

## **Lamont Leatherman**

*Chief Geologist*

Founder and Chief Geologist of ASX / Nasdaq-listed Piedmont Lithium Ltd responsible for the leasing and delineation of Piedmont Lithium's North Carolina lithium project. 30 years experience in U.S. exploration, including senior positions with BHP.

## **Adam Karst**

*Geologist / Competent Person*

Accomplished mineral sands geologist with +20 years experience in mining production, exploration, and resource development. Previously Head of Iluka's (ASX: ILU) U.S. exploration programs.

## **Jonathan Lord**

*Geologist*

Geologist with 10 years experience in U.S. mineral sands exploration and operations, having most recently been employed by Chemours Company (NYSE: CC) at their titanium and zirconium mineral sands operation in Georgia, USA. Previously a geologist for OceanaGold (ASX: OGC).

## **Dominic Allen**

*Corporate Development*

15 years experience in the financing, development and operations of natural resource organizations, including with Rio Tinto Limited and Oyu Tolgoi LLC.

## **Greg Swan**

*Company Secretary*

Chartered Accountant with +15 years accounting and governance experience with public companies. Currently serves as Company Secretary for multiple ASX / Nasdaq-listed mineral exploration companies.

**PIEDMONT**  
LITHIUM

NASDAQ / ASX: PLL

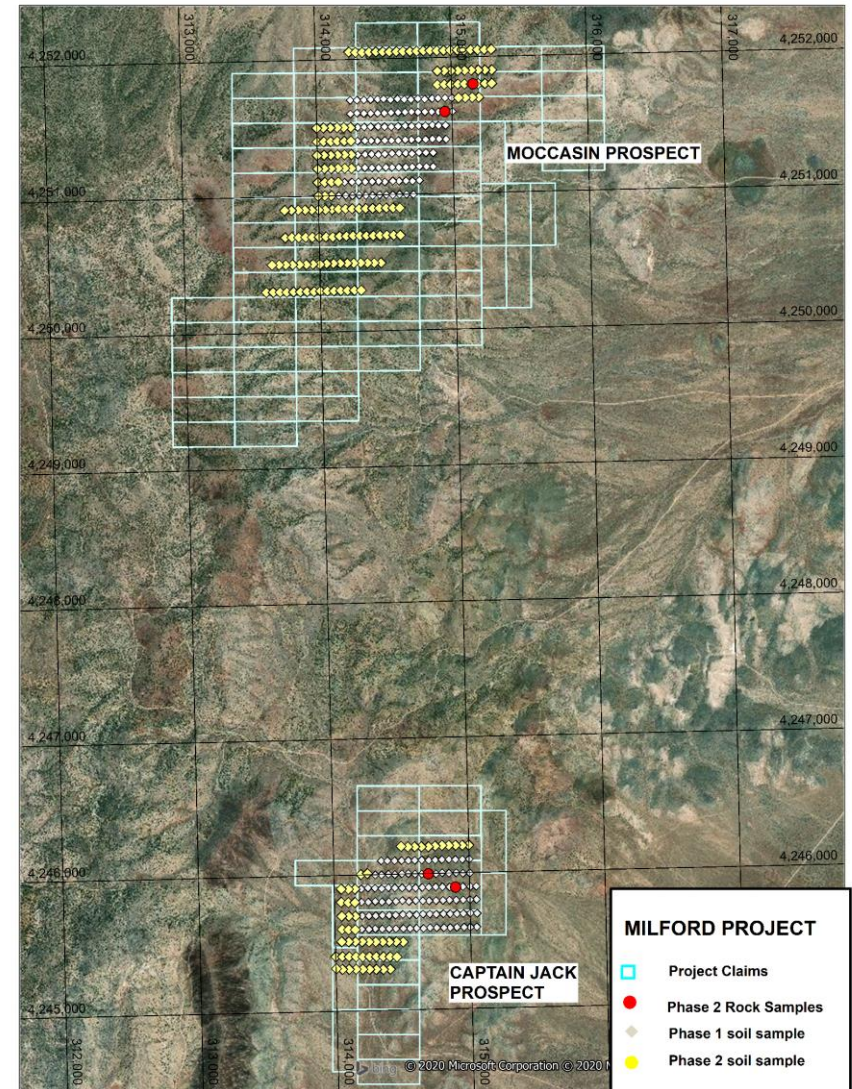
**APOLLO GROUP**

Portfolio Company



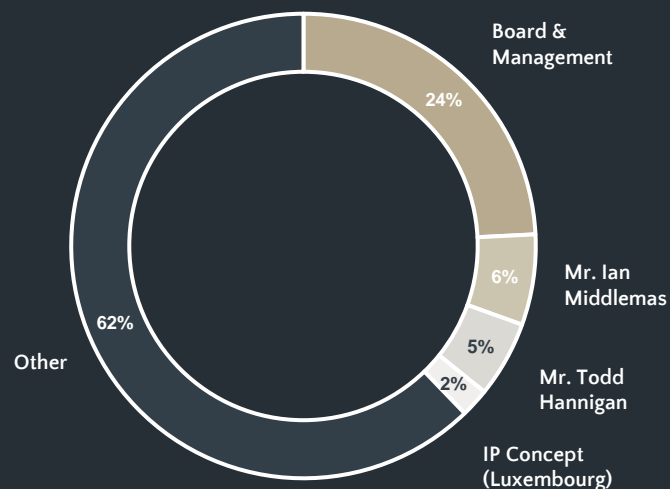
# Other activities: Exposure to gold and silver exploration success through the Milford Project, Utah, U.S.

- Phase 2 soil sampling has extended geochemical anomalies at the Company's Milford Project
- Rock sampling returned Ag to 65.1 g/t and Au to 1.15 g/t
- Anomalies remain open along the interpreted mineralised trends
- Sampling at Moccasin extended the geochemical soil anomaly, open to the SW, with the Ag component of the anomaly over 1.5 km long at +0.2 ppm Ag
- Sampling at Captain Jack Prospect further defined partially overlapping gold-silver soil anomaly along trend, open to NE



# Board & capital structure

## COMPANY OWNERSHIP



## BOARD OF DIRECTORS

Mark Connelly	Australia	Chairman
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Anastasios Arima	USA	Director & CEO
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Alastair Smith	USA	Director
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Patrick Glovac	Australia	Director
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## 12 MONTH SHARE PRICE & VOLUME



## CAPITAL STRUCTURE

TAO shares on issue	86,536,667
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Price (12 January 2021)	A\$0.32
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Market capitalisation	A\$27.7M
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Cash (31 December 2020, approx.)	A\$2.5M
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Enterprise value	A\$25.2M
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Listed options	15,693,667
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Unlisted options	25,000,000
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Performance rights / shares	39,600,000
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