



# 2024 Annual General Meeting

Talga Group (ASX:TLG)

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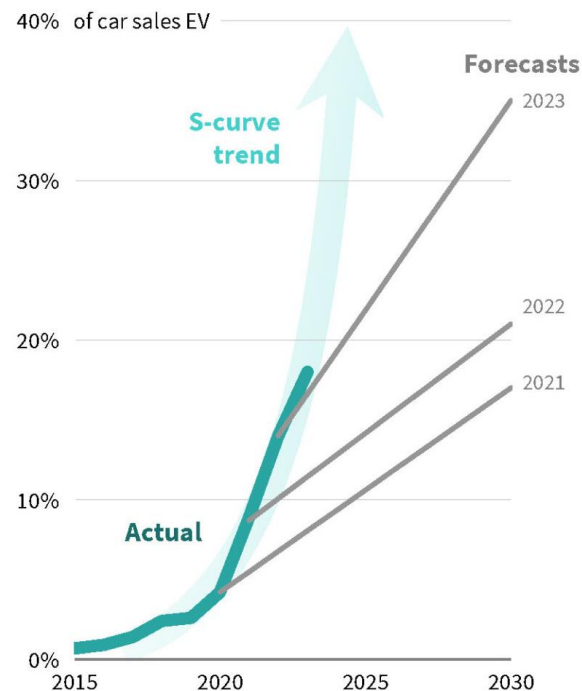
Our Mission

**to enable the world's most  
sustainable batteries and consumer products  
through innovative graphitic materials**

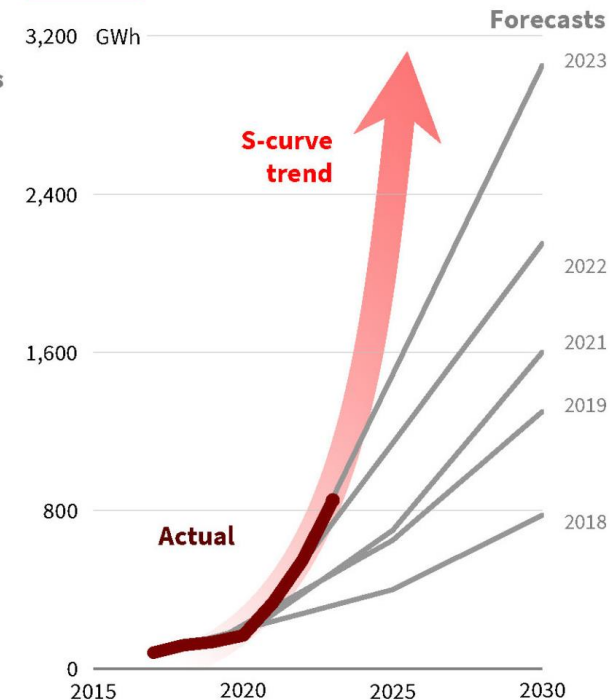
# Anode market growth continues

↑ Global battery demand is still in early stages and market still growing strongly

EV share of sales



Battery sales





Video



**Martin Phillips**  
CEO Talga Group

# Advanced natural graphite anode project

- › Advanced stage of permitting, with all environmental permits in force, mine exploitation concession granted and building permits in force for refinery
- › Advanced financing underpinned by €150m debt funding from European Investment Bank and successful application for €70m EU Innovation Fund grant for refinery
- › Advanced customer offtake and strategic investment process

## Key Finance Partner



## Key Project Partners





# 100% owned **critical and strategic** mineral resources



Largest and highest-grade natural graphite resources in Europe  
- total JORC Mineral Resources of 70.8 million tonnes to date



Aero Lithium joint venture with SQM shows  
promise for discovery value and diversification







# Demonstrated battery material expertise

## Established strategy of building expertise and innovation in vertical integration for competitiveness

- › In-house know-how critical for being one of few companies outside Asia capable of making anode
- › Production facilities in Sweden, the UK and Germany include pilot plant, demonstration facility and in-house battery labs
- › Strong focus on quality control / quality assurance and operating expertise
- › EVA plant, pilot and R&D facilities secured ISO 45001, ISO 9001, ISO 14001 certifications



# EU regulations supports Talga's anode business



## Critical Raw Materials Act

Natural graphite listed as strategic raw material

Domestic extraction target of 10% by 2030

Strategic project status pending for Vittangi mine



## Net-Zero Industry Act

Battery anode material listed as strategic technology

Domestic production target of 10% by 2030

Strategic project status pending for Talga refinery



## Battery Regulation

EU battery makers required to declare provenance of materials

Maximum CO<sub>2</sub> thresholds



# Sustainability is in our DNA

**Sustainability work covers environment;  
people and community; and long-term value**

- › Sustainability is a purpose and productive opportunity for Talga. We have natural and commercial advantages in low emission production compared to other operations
- › It is embedded into our corporate governance structure to ensure transparent business practices and ongoing compliance
- › ESG targets and objectives informed by materiality matrix and risk profile
- › High impact and high quality products and operations provide comfort for major global customers



# Battery anode **product portfolio**



## **Talnode®-C**

New technology high-rate natural graphite anode product that can be “tuned” for application and blended with synthetic graphite.

Provides outstanding fast charge performance



## **Talnode®-C Recycled**

Made from repurposed production scrap or black mass in proprietary process.

Provides increased circularity within market, decreasing need for imports



## **Talnode®-Si**

Composite silicon-carbon energy boosting anode designed as drop-in solution

Low-cost industrially scalable process using Talga graphite and graphene



# 100% Talga **technology**

**Innovation and in-house expertise enables commercial readiness and new market opportunities**

- › Talga's dedicated R&D team delivers development, testing and optimising of Talnode® products at its facilities
- › Key to expanding Talga's range of battery materials and technologies to match customer roadmaps for the future
- › Intellectual Property strategy protects Talga's products, processing know-how and underpins commercialisation
- › Potential commercial opportunities through licensing



# Talga's success is underpinned by people



## Our diverse team of 17 nationalities operates across 4 countries

- › Expertise across engineering, mining, research, quality assurance, community engagement, environmental monitoring, product development and corporate affairs
- › Executive leadership and boards with decades of cumulative experience across wide range of business areas and industries
- › Committed to fostering talent in the minerals and battery industries supporting numerous training initiatives in northern Sweden
- › Continued growth of European management and teams strongly positions Talga for commercial operations and beyond

# Well positioned for growth and expansion



Global markets offer exciting possibilities as battery demand grows exponentially



Talga's vast mineral resources can underpin significant expansions



Wholly-owned IP and in-house knowledge provide innovation platform for new battery materials and market adaptability





# Upcoming milestones

- › Customer offtakes for Talnode®-C
- › Strategic investor entry
- › Finalisation of Vittangi Anode Project finance
- › Completion of anode expansion scoping study downstream of completed mining study for precursor concentrate up to ~425,000tpa
- › Commercial developments and partners for Talnode®-Si and Talnode®-C Recycled Series
- › Formal commencement of SQM joint venture and exploration activities over the Talga Aero Lithium Project

# Overview: Group Summary

## Growth market



Battery graphite anode and recycling process tech, silicon and next gen anode products

## Green Leader



Powered by renewable electricity. LCA show 92% less GHG emissions than incumbent products

## Strategic



Tier 1, high-grade, long-life critical asset. Largest natural graphite resource in Europe

## Location



Stable investment jurisdiction (Sweden) and 100% control of entire supply chain/tech

## Powerful fundamentals



Low costs underpinned by renewable power grid, existing infrastructure and high process yields

## Global accreditations



Operational facilities with ISO 45001, ISO 9001 and ISO 14001 certification

## Advanced



Operating EVA coated anode plant since 2022, Commercials validated by DFS & FEED studies

## Robust finance plan



€560m CAPEX (ex-contingency). 60% debt gearing syndicate, cornerstoned by EIB €150m

## Strong leadership



Decades of experience across wide range of global business areas and relevant industries



# Talga Group Operations

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# *talga*

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



ASX:TLG



# Talga Group Ltd

## Corporate Overview

### Capital Structure

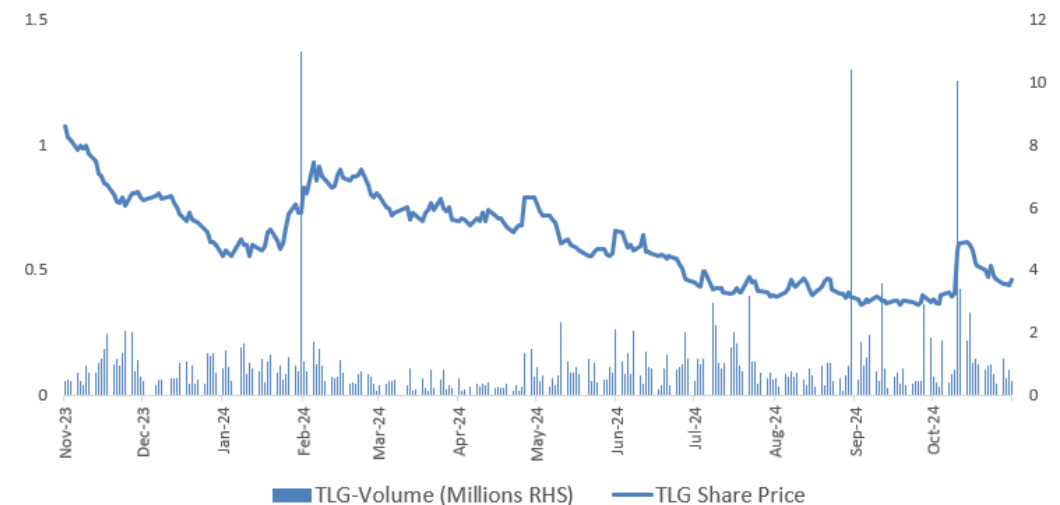
Market Capitalisation	\$197.4M
Listed Shares	429.2M
Unlisted Options	66.1M <sup>1</sup>
Cash as at 30 Sep 2024	A\$25.9M

### Research coverage



Note: Market capitalisation as at 21 November 2024. (1) Unlisted options include performance rights subject to vesting conditions and 53.4M unlisted shareholder loyalty options.

### Share Price (1 year)





# Group Executive Management Team



**Martin Phillips**

**Chief Executive Officer**

25+ years of global metals and mining experience. Former Commercial Manager of global mineral producer Iluka Resources. Prior senior engineering and management roles across battery recycling programs and smelting innovations at MIM's Mt Isa and UK operations.



**Melissa Roberts**

**Chief Financial Officer**

20+ years of experience in the global resources industry across corporate and commercial roles. Prior senior Commercial, Investor Relations, Business Development and Information Technology roles within global mineral producer Iluka Resources.



**Per-Inge Kruse**

**Director BD & Strategic Alliances**

20+ years of experience in sales, BD and strategic alliances across the automotive and marine industries. Former Executive Director of automotive design and development group FEV's Swedish subsidiary and Head of BD at transport and energy engineering consultancy Ricardo.



**Anna Motta**

**Chief Technology Officer**

20+ years of expertise in carbon nanomaterials and extensive experience in managing R&D programs. Formerly the manager of several research programs at Cambridge Graphene Centre with focus on industry partnerships and technology transfer.



**Peter French**

**Environment & Community Manager**

25+ years of experience around environmental work in the mining and industrial sector. Previously worked as an independent consultant to a range of mining operations and has spent most of the past 15 years managing mine and industrial permitting processes.



**Eva Pijnenburg**

**Director People & Culture, Health & Safety**

20+ years experience across a range of HR management and recruitment consultancy positions. A strong background in labor law and negotiations, as well as HR department and process development to support people and company culture.



# Talga Group Board of Directors



**Terry Stinson**



**Mark Thompson**



**Grant Mooney**



**Steve Lowe**



**Ola Rinnan**

Chair	Managing Director	Non-Executive Director	Non-Executive Director	Non-Executive Director
Over 35 years' Executive and Non-Executive Director experience for global innovation companies. Formerly the CEO and MD of Orbital Corporation, VP for Global Fuel Systems at Siemens AG and CEO of Synerject. Currently the Chair of Carnegie Clean Energy Limited and Non-Executive Director of Aurora Labs.	Over 30 years' global experience in the mineral industry including resource project development, technology and management. Founded Talga in 2009 and listed the company on the Australia Securities Exchange in mid-2010. A member of the Australian Institute of Geoscientists and the Society of Economic Geologists.	Strong corporate advisory background with extensive experience in equity capital markets, corporate governance and M&A transactions. A member of the Institute of Chartered Accountants in Australia. Currently a Non-Executive Director of several ASX listed companies.	Strong business management and taxation background with more than 20 years' experience consulting to corporate and high wealth clients. A member of the Australian Institute of Company Directors.	Extensive commercialisation and leadership experience across the energy, banking and finance sectors. Has held numerous board positions for European listed companies and financial institutions including Non-Executive Directorships in Smedvig group companies and DFCU Bank.

# Talga AB Board of Directors



**Eva Nordmark**



**Anders Granberg**



**Ola Rinnan**



**Melissa Roberts**



**Martin Phillips**



**Mark Thompson**

Chair	Director	Director	Director	Director	Director
Former Swedish Minister of Employment and Gender Equality, member of the Swedish Parliament and President of the Swedish Confederation of Professional Employees.	A prominent industry figure in northern Sweden with extensive history as business developer, company and project manager.	Extensive commercialisation and leadership experience across the energy, banking and finance sectors. Has held numerous board positions for European listed companies and financial institutions.	Over 20 years' experience in the global resources industry across corporate and commercial roles, most recently with global mineral producer Iluka Resources.	Experienced commercial and project manager with over 25 years of global metals and mining sector experience.	Over 30 years' global experience in the mineral industry including resource project development, technology and management. Founded Talga in 2009.



# JORC Graphite Reserve and Resources

Ore Reserve <sup>3,5</sup>	Tonnes	Graphite (% Cg)
Nunasvaara (JORC 2012)	2,260,140	24.1
Probable	2,260,140	24.1

Mineral Resources <sup>1,2,4,6,7,8</sup>	Tonnes	Graphite (% Cg)
Vittangi (JORC 2012)	35,020,000	23.8
Indicated	26,691,000	24.3
Inferred	8,329,000	22.1
Jalkunen (JORC 2012)	31,500,000	14.9
Inferred	31,500,000	14.9
Raitajärvi (JORC 2004)	4,300,000	7.1
Indicated	3,400,000	7.3
Inferred	900,000	6.4
<b>Total Mineral Resources</b>	<b>70,820,000</b>	<b>18.8</b>

Note:

1. Mineral resources are inclusive of ore reserves.
2. Mineral Resources are reported at various cut off grades: Vittangi 12.5% Cg, Jalkunen 5% Cg and Raitajärvi 5% Cg.
3. Ore Reserve is reported at a cut off grade of 12% Cg.
4. Errors may exist due to rounding.

# JORC Exploration Target

2021 Exploration Target Vittangi Graphite Project		
Vittangi (JORC 2012)	Low	High
Tonnage Range	170Mt	200Mt
Grade Range	20% Cg	30% Cg

*Note that the potential quantity and grade of the Exploration Target is conceptual in nature, there has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in the estimation of a Mineral Resource.*

Talga completed new ground electromagnetic geophysical ("EM") surveys of graphite targets at Vittangi following the 2020 upgrade of the Vittangi graphite resource. The EM survey results have been reviewed in combination with prior Talga geochemical samples collected from the surface within the conductors, which averaged 26.2% graphite ("Cg") (ASX:TLG 15 Nov 2012). Modelling of this data in conjunction with positive outcomes of the Niska undergroundmining scoping study have enabled a revised JORC-compliant Exploration Target estimate totalling 170-200Mt at 20-30% Cg at Vittangi (ASX:TLG 20 Jul 2021). This is a significant increase from the previous 26-46Mt at 20-30% Cg (ASX:TLG 17 Sep 2020). The majority of this estimate is proximal along strike and down dip from Talga's existing Vittangi JORC (2012) graphite resources of 30.1Mt @ 24.1% Cg. Additional targets are located along the mapped graphite units around the greater Nunasvaara Dome area.

New rounds of diamond core drilling commenced at Vittangi in mid-2021. The staged 69 hole diamond drilling program totalling ~8,000m tested parts of the JORC Exploration Target as down-dip extensions of the current JORC Resources as well as shallow subcrop targets between Nunasvaara North and Niska South. Reviews of JORC Exploration Targets will be undertaken where significant changes are indicated by continued exploration.

See Talga's ASX announcement dated 20 July 2021 for further information.



## Competent Person Statements

The Vittangi Mineral Resource estimate was first reported in the Company's announcement dated 6 October 2023 titled 'Talga boosts Swedish battery graphite'. The Company confirms that it is not aware of any new information or data that materially affects the information included in the previous market announcement and that all material assumptions and technical parameters underpinning the Resource estimate in the previous market announcement continue to apply and have not materially changed.

The Nunasvaara Ore Reserve statement was first reported in the Company's announcement dated 1 July 2021 titled 'Robust Vittangi Anode Project DFS'. The Company confirms that it is not aware of any new information or data that materially affects the information included in the previous market announcement and that all material assumptions and technical parameters underpinning the Reserve estimate in the previous market announcement continue to apply and have not materially changed.

The Jalkunen Mineral Resource estimate was first reported in the Company's announcement dated 27 August 2015 titled 'Talga Trebles Total Graphite Resource to Global Scale'. The Company confirms that it is not aware of any new information or data that materially affects the information included in the previous market announcement and that all material assumptions and technical parameters underpinning the Resource estimate in the previous market announcement continue to apply and have not materially changed.

The Raitajärvi Mineral Resource estimate was first reported in the Company's announcement dated 26 August 2013 titled '500% Increase to 307,300 Tonnes Contained Graphite in New Resource Upgrade for Talga's Swedish Project'. The Company confirms that it is not aware of any new information or data that materially affects the information included in the previous market announcement and that all material assumptions and technical parameters underpinning the Resource estimate in the previous market announcement continue to apply and have not materially changed.

The Company first reported the production target and forecast financial information referred to in this presentation in accordance with Listing Rules 5.16 and 5.17 in its announcement titled 'Robust Vittangi Anode Project DFS' dated 1 July 2021. The Company confirms that other than the capex updated in the FEED Study first reported in the Company's announcement titled 'Completion of Vittangi Anode Project FEED Study delivers strong results' dated 15 April 2024 all material assumptions underpinning that production target and forecast financial information derived from that production target continue to apply and have not materially changed.

The Company first reported the production target and forecast financial information referred to in this presentation in accordance with Listing Rules 5.16 and 5.17 in its announcement titled 'Positive Niska Scoping Study Outlines Pathway to Globally Significant Battery Anode Production' dated 7 December 2020. The Company confirms that all material assumptions underpinning that production target and forecast financial information derived from that production target continue to apply and have not materially changed.

The Company first reported the production target referred to in this presentation in accordance with Listing Rule 5.16 in its announcement titled 'Vittangi Anode Project Expansion: Interim Scoping Study' dated 11 June 2024. The Company confirms that all material assumptions underpinning that production target continue to apply and have not materially changed.

The Information in this presentation that relates to prior exploration results for the Vittangi Graphite Project is extracted from ASX announcements that are referred to in the relevant slides of the presentation and that are available to view on the Company's website at [www.talgagroup.com](http://www.talgagroup.com). The Company confirms that it is not aware of any new information or data that materially affects the exploration results included in the relevant original market announcements. The Company confirms that the form and context in which the Competent Person and Qualified Person's findings are presented have not been materially modified from the relevant original market announcements.

The information in this presentation that relates to the Vittangi exploration target is based on information compiled by Albert Thamm. Mr Thamm is a consultant to the Company and a Competent Person who is a Member of the Australian Institute of Mining and Metallurgy (Membership No.203217). Mr Thamm has sufficient experience, which is relevant to the style of mineralisation and types of deposits under consideration and to the activity which has been undertaken to qualify as a Competent Person as defined in the 2012 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code). Mr Thamm consents to the inclusion in the presentation of the matters based on his information in the form and context in which it appears.

The Information in this presentation that relates to prior exploration results for the Aero Project is extracted from ASX announcements that are referred to in the relevant slides of the presentation and that are available to view on the Company's website at [www.talgagroup.com](http://www.talgagroup.com). The Company confirms that it is not aware of any new information or data that materially affects the exploration results included in the relevant original market announcements. The Company confirms that the form and context in which the Competent Person and Qualified Person's findings are presented have not been materially modified from the relevant original market announcements.