



 **ASX Code: TLG**

**Talga Resources Ltd**

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**Corporate Information**

ASX Code **TLG**

Shares on issue **53.30m**

Options (unlisted) **4.85m**

52 week high **A\$0.77**

52 week low **A\$0.12**

Cash (at 31 Oct) **A\$2.6m**

**Company Directors**

**Sean Neary**

Non-Executive Director &  
Chairman

**Mark Thompson**

Managing Director

**Piers Lewis**

Non-Executive Director &  
Company Secretary



## TALGA'S PARTICIPATION AT MINES AND MONEY, LONDON

Talga Resources Limited (ASX: TLG) ("Talga" or "the Company") is participating in the upcoming Mines and Money conference held in London.

The Company's corporate presentation is attached, which will be available at Talga's booth (E3).

Mines and Money London 2012 will bring together over 3000 investors, financiers, brokers and senior mining executives for Europe's leading mining investment and capital raising event.

We cordially invite delegates to meet the Talga team at the conference.

**Date:** 4th and 5th December, 2012

**Venue:** Business Design Centre, 52 Upper Street, Islington, London N1 0QH

**Talga's booth #: E3**

We look forward to meeting you.

The Company wishes to provide more information to slide 30 in the Iron & Graphite Projects Presentation at the RMG Conference released to the market on 27 November 2012. The information now appears on slide 19 of the Mines and Money conference presentation and refers to Appendix 5 detailing the basis of the results reported.

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**ABOUT TALGA RESOURCES**

Talga Resources (**Talga**) (ASX: "TLG") is a diversified mineral explorer with a portfolio of graphite, iron, copper and gold projects in Sweden and Western Australia.

Since listing in July 2010, Talga has been actively exploring its portfolio of gold projects in the Yilgarn and Pilbara regions of Western Australia. In 2011 and 2012, Talga identified and subsequently acquired a number of graphite, iron and IOCG projects in Sweden.

**GRAPHITE**

Talga wholly owns a portfolio of advanced and high grade graphite projects in the Kiruna Mineral District of northern Sweden.

The immediate focus is to advance multiple graphite projects towards development, with fast-tracking available due to the advantage of established quality infrastructure including power, road, rail and ports. Initially this will entail preliminary economic studies (scoping/pre-feasibility) on the existing high grade graphite resources published for Nunasvaara and Raitajärvi.

Additionally, it is also the Company's objective to complete drilling on a number of other projects, including the multiple JORC-code compliant exploration targets<sup>1</sup> associated with the Vittangi, Jalkunen and Pajala projects.

**IRON**

Talga wholly owns exploration permits in the Kiruna mineral district containing significant iron ore deposits with considerable growth upside based on historic drilling and JORC compliant indicated to inferred resources and exploration targets.

Talga's strategy is to advance the iron ore projects within the area and at an appropriate stage consider options to commercialise these assets either in their own right or in conjunction with other parties.

**GOLD**

Talga is actively exploring high grade gold projects in the Yilgarn and Pilbara regions of Western Australia. Additionally the Company owns several copper/gold projects within its Sweden portfolio.

**Competent Person's Statement**

*The information in this report that relates to Exploration Results is based on information compiled and reviewed by Mr Darren Griggs and Mr Mark Thompson, who are members of the Australian Institute of Geoscientists. Mr Griggs and Mr Thompson are employees of the Company and have sufficient experience which is relevant to the activity to which is being undertaken to qualify as a "Competent Person" as defined in the 2004 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" ("JORC Code"). Mr Griggs and Mr Thompson consent to the inclusion in the report of the matters based on this information in the form and context in which it appears.*

*The information in this report that relates to Resource Estimation is based on information compiled and reviewed by Mr Simon Coxhell. Mr Coxhell is a consultant to the Company and a member of the Australian Institute of Mining and Metallurgy. Mr Coxhell has sufficient experience relevant to the styles of mineralisation and types of deposits which are covered in this document and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" ("JORC Code"). Mr Coxhell consents to the inclusion in this report of the matters based on this information in the form and context in which it appears.*

**GRAPHITE**  
**SWEDEN**  
**IRON**



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



**ASX: TLG**



# **Graphite & Iron Projects Presentation**

*Mines and Money Conference*

*London 4 December 2012*

# Forward Looking Statements & Disclaimer



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# Company Introduction

Sweden Assets

Main JORC Resources



ASX code: TLG



**SWEDEN  
BRANCHES**

**GRAPHITE**

100%

100%

**IRON**

Classification	Tonnes (Mt)	Graphite (%Cg)
Indicated	5.6	24.6
Inferred	2.0	24.0
<b>Total</b>	<b>7.6</b>	<b>24.4</b>

*Nunasvaara Graphite Mineral Resource (10% Cg cut-off) Nov 2012*

Classification	Tonnes (Mt)	Iron as Magnetite (%Fe <sub>mag</sub> )
Indicated	49.7	30.0
Inferred	37.5	29.6
<b>Total</b>	<b>87.2</b>	<b>29.9</b>

*Masugnsbyn Global Iron Mineral Resource (20%Fe<sub>mag</sub> cut-off) Oct 2012*

# Sweden graphite via Teck Acquisition



- ▶ Talga moved into Graphite early 2011.
- ▶ After world search found excellent graphite deposits in Sweden, but highest grade deposit occurred in Teck Resources IOCG portfolio.
- ▶ Approached Teck and acquired option to buy company owning their Swedish assets in Feb 2012
- ▶ Fieldwork and diligence over northern winter.
- ▶ Found the graphite properties were world-class, and the iron and copper projects were a bonus.
- ▶ Bought Teck's Canadian subsidiary owning 100% of the Swedish assets (TCL Sweden Ltd ) in June 2012.
- ▶ Talga now owns 100% with total 3% NSR due on production.



# Nunasvaara Graphite Deposit



- ▶ During the option period examined graphite outcrop which had been bulk sampled previously by LKAB.
- ▶ Wide and outcropping; Obvious open cut potential.
- ▶ Graphite can be traced over 15km strike.
- ▶ Obvious scale potential.
- ▶ Sampling returned very high grades.
- ▶ Found historical drill holes and data, used to define initial JORC inferred graphite resource 3.6Mt @ 23%Cg.
- ▶ Commenced drilling to upgrade resource in size and classification in July 2012.



# Drilling Nunasvaara July 2012

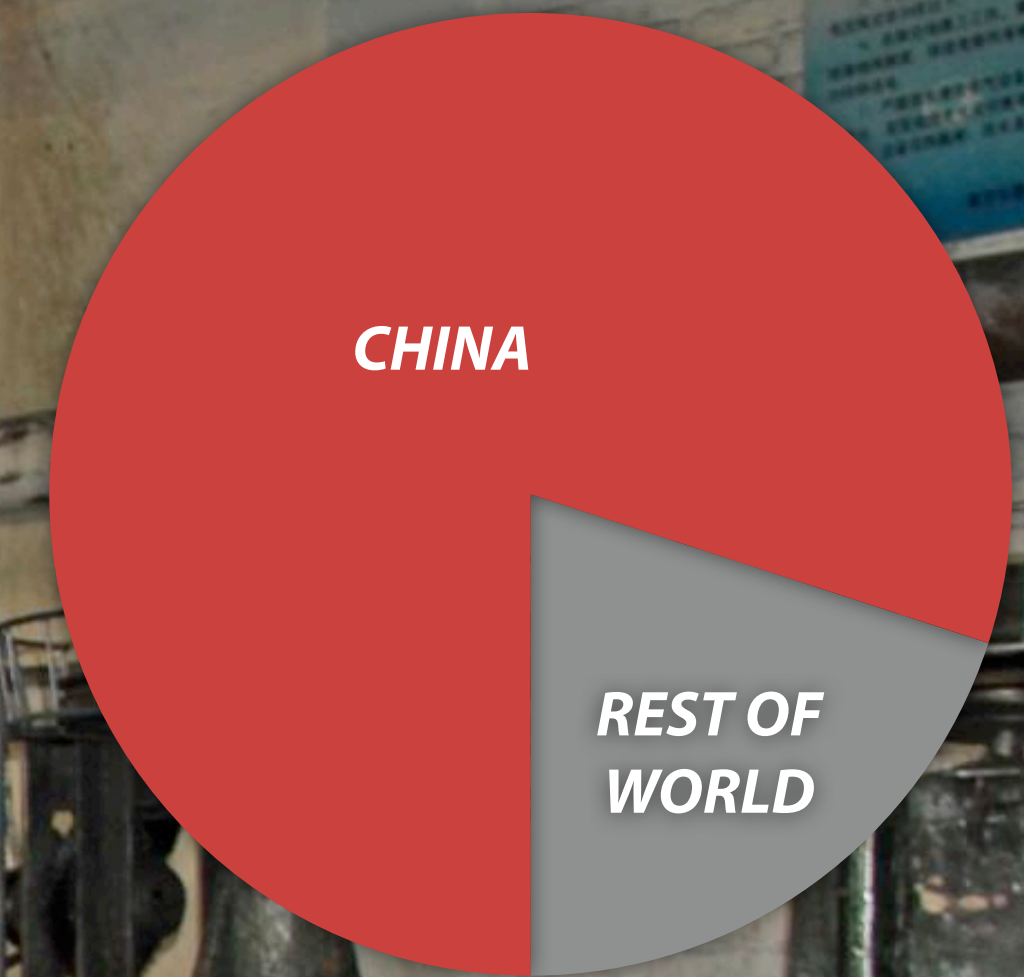




# Why Graphite is News?

- ▶ World natural graphite supply is 80% from China
- ▶ Graphite declared a "Strategic Mineral" by USA and EEC.

## World Natural Graphite Production



**British Geological Survey**  
Risk list 2012 — Current supply risk index for chemical elements or element groups which are of economic value

Element or element group	Symbol	Relative supply risk index	Leading producer	Top reserve holder
rare earth elements	REE	9.5	China	China
tungsten	W	9.5	China	China
antimony	Sb	9.0	China	China
bismuth	Bi	9.0	China	China
molybdenum	Mo	8.6	China	China
strontium	Sr	8.6	China	China
mercury	Hg	8.6	China	Mexico
barium	Ba	8.1	China	China
carbon (graphite)	C	8.1	China	China
beryllium	Be	8.1	USA	Unknown
germanium	Ge	8.1	China	Unknown
niobium	Nb	7.6	Brazil	Brazil
platinum group elements	PGE	7.6	South Africa	South Africa
cobalt	Co	7.6	DRC	DRC
thorium	Th	7.6	India	USA
indium	In	7.6	China	Unknown
gallium	Ga	7.6	China	Unknown
arsenic	As	7.6	China	Unknown
magnesium	Mg	7.1	China	Russia
tantalum	Ta	7.1	Brazil	Brazil
selenium	Se	7.1	Japan	Russia
cadmium	Cd	6.7	China	India
lithium	Li	6.7	Australia	Chile
vanadium	V	6.7	South Africa	China
tin	Sn	6.7	China	China
fluorine	F	6.7	China	South Africa
silver	Ag	6.2	Mexico	Peru
chromium	Cr	6.2	South Africa	Kazakhstan
nickel	Ni	6.2	Russia	Australia
rhenium	Re	6.2	Chile	Chile
lead	Pb	6.2	China	Australia
carbon (diamond)	C	6.2	Russia	DRC
manganese	Mn	5.7	China	South Africa
gold	Au	5.7	China	Australia
uranium	U	5.7	Kazakhstan	Australia
zirconium	Zr	5.7	Australia	Australia
iron	Fe	5.2	China	Australia
titanium	Ti	4.8	Canada	China
aluminium	Al	4.8	Australia	Guinea
zinc	Zn	4.8	China	Australia
copper	Cu	4.3	Chile	Chile

Supply risk index runs from 1 (blue — very low risk) to 10 (red — very high risk)  
Copyright NERC 2012

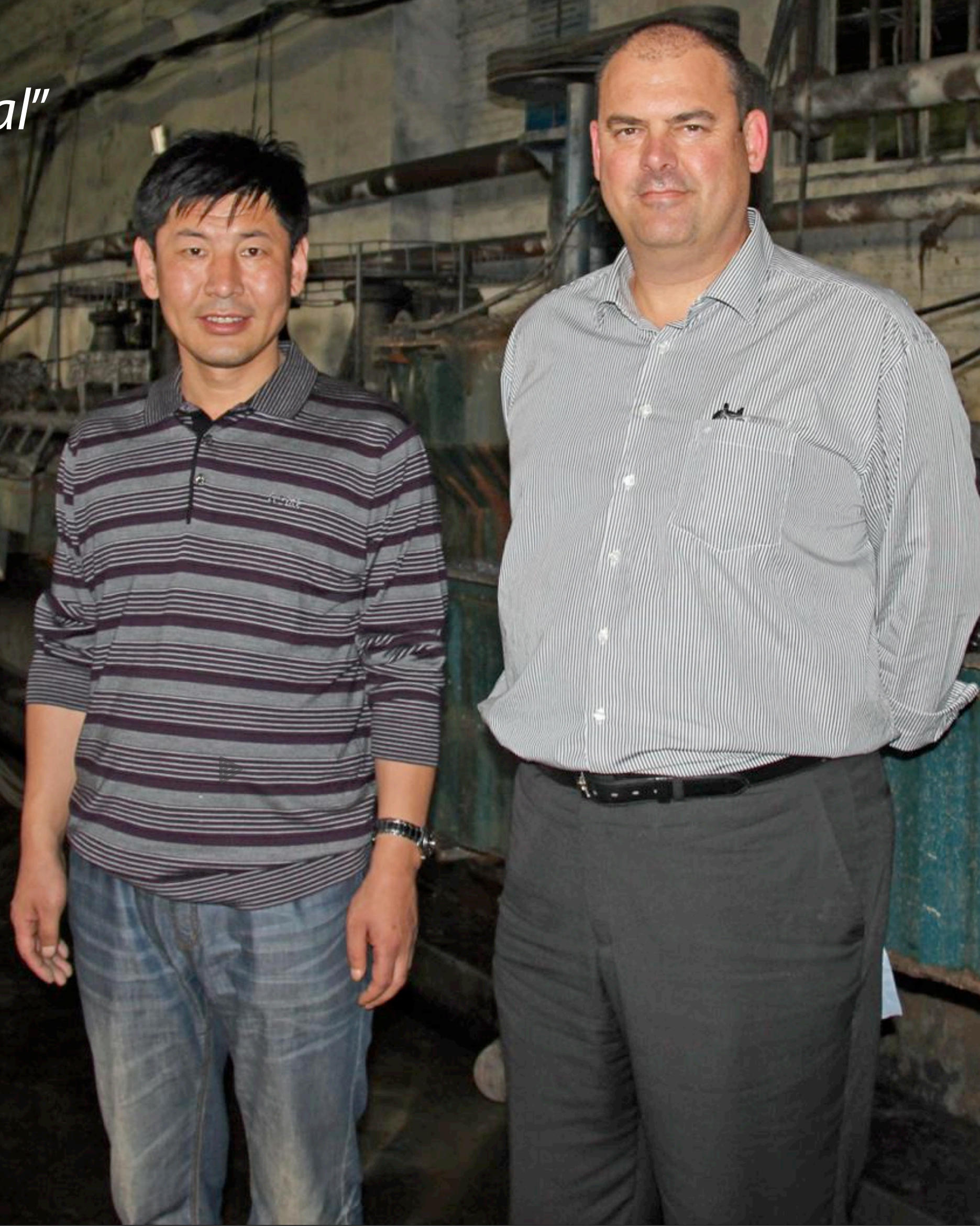


Photo Mark Thompson/Talga Oct 2012

# What is Graphite?

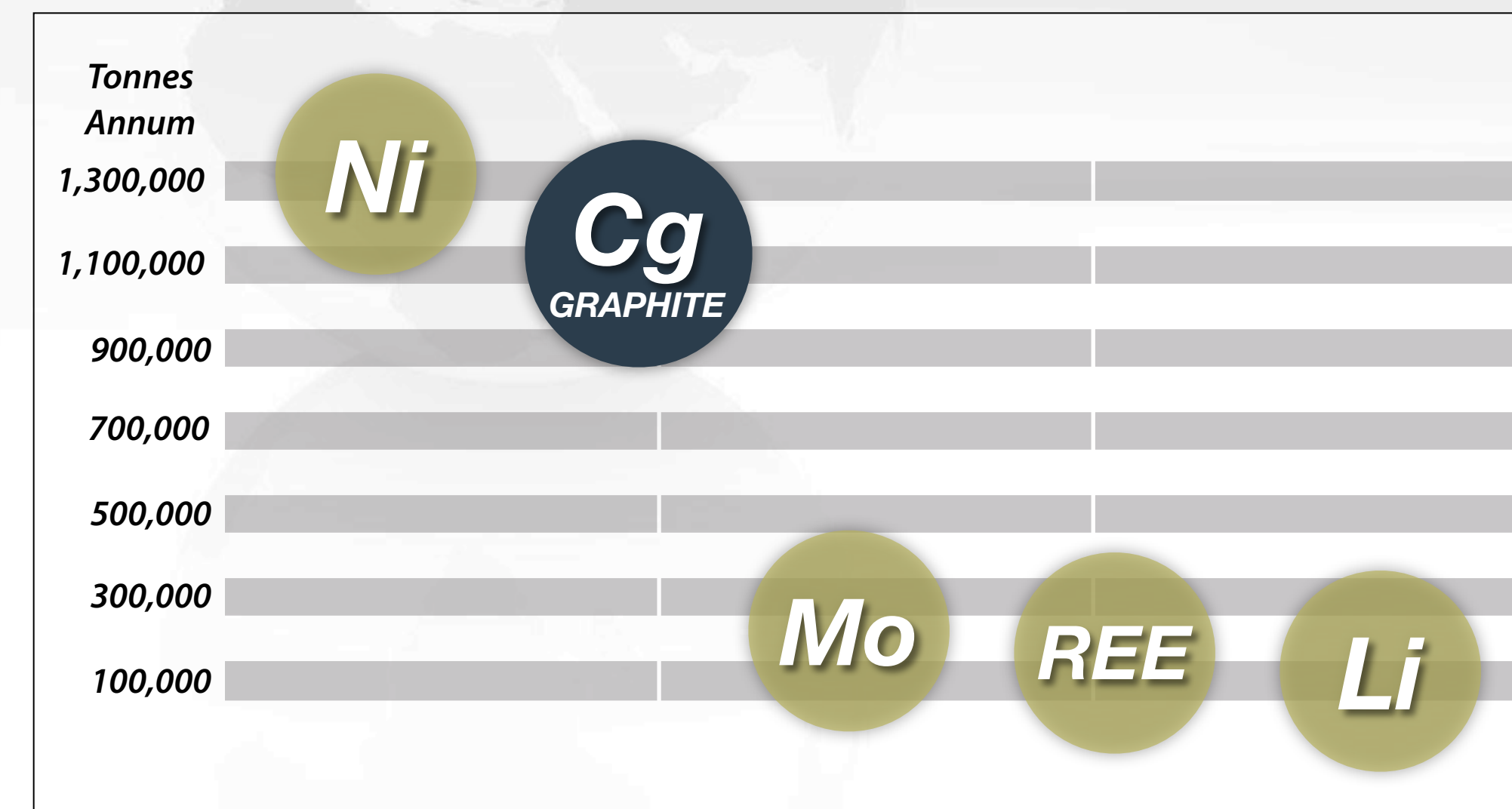
- ▶ Strategic mineral form of carbon with very high melt point (>3600°C) and very high conductivity with low expansion rate
- ▶ Natural graphite defined into three main types based on particle size: microcrystalline (*amorphous*), macrocrystalline (*flake*) and vein (*lump*)
- ▶ Natural and synthetic graphite market worth total US\$12B/yr\*:
  - Steel & Refractories 41%, Carbon Fibres-Brushes-Batteries 21%, Automotive Parts 14%*
  - Lubricants 14%, Other Graphite Products 10%*
- ▶ *Natural graphite* market (1.1Mt C) is similar *volume* to Nickel market (1.3Mt Ni) and much bigger than Lithium and Rare Earths
- ▶ Current annual consumption: 700,000 tonnes/year microcrystalline (amorphous) , 400,000 tonnes/year flake of which approx 60,000 tonnes/year is for Lithium-ion batteries.
- ▶ Traditional graphite markets growth 3-5% annum.
- ▶ New markets projected to grow 20% annum.

\*Source: "The World Wide Amorphous Graphite Market" Asbury Carbons, World Graphite Conference Dec 6-7 2011



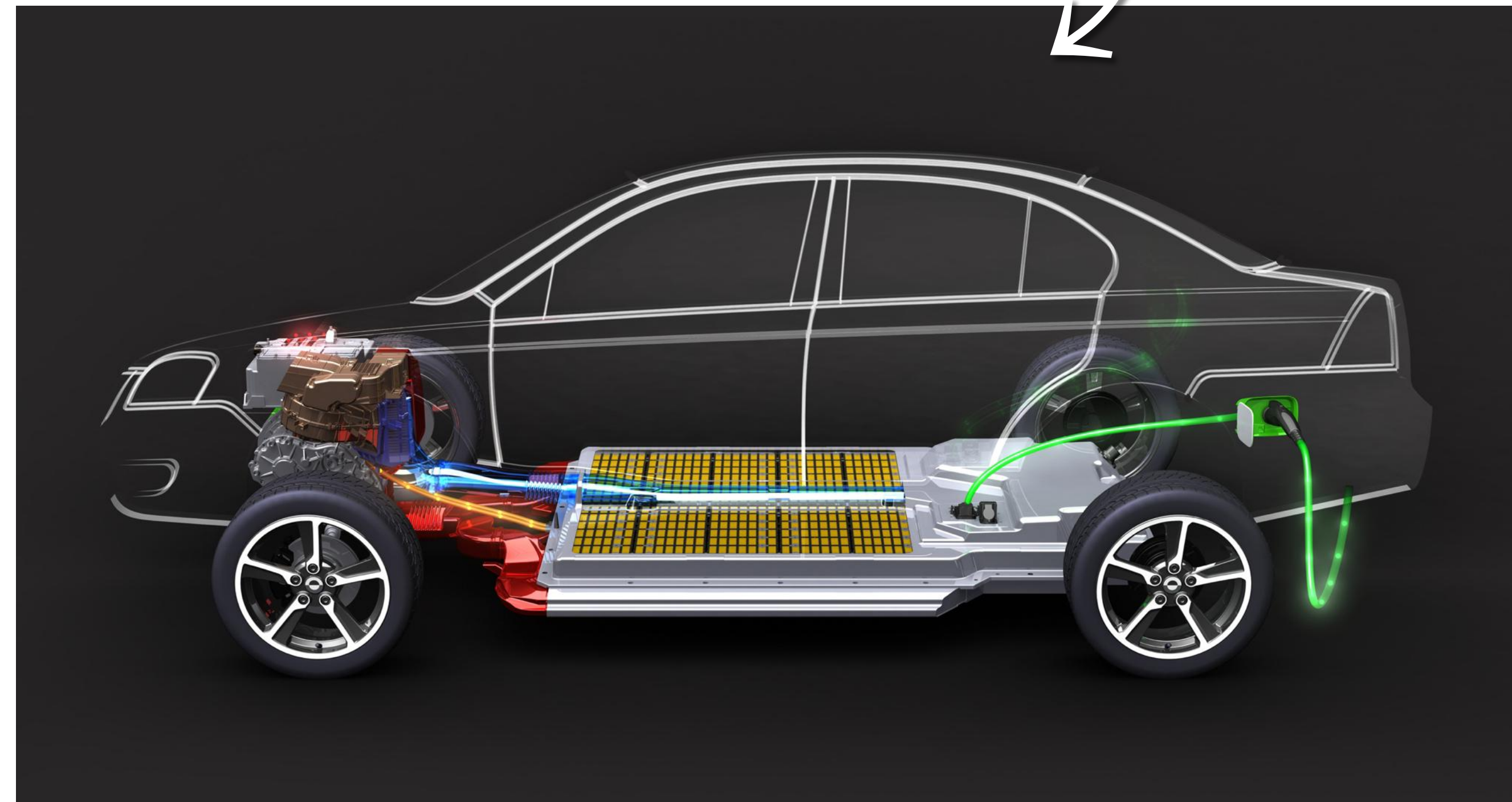
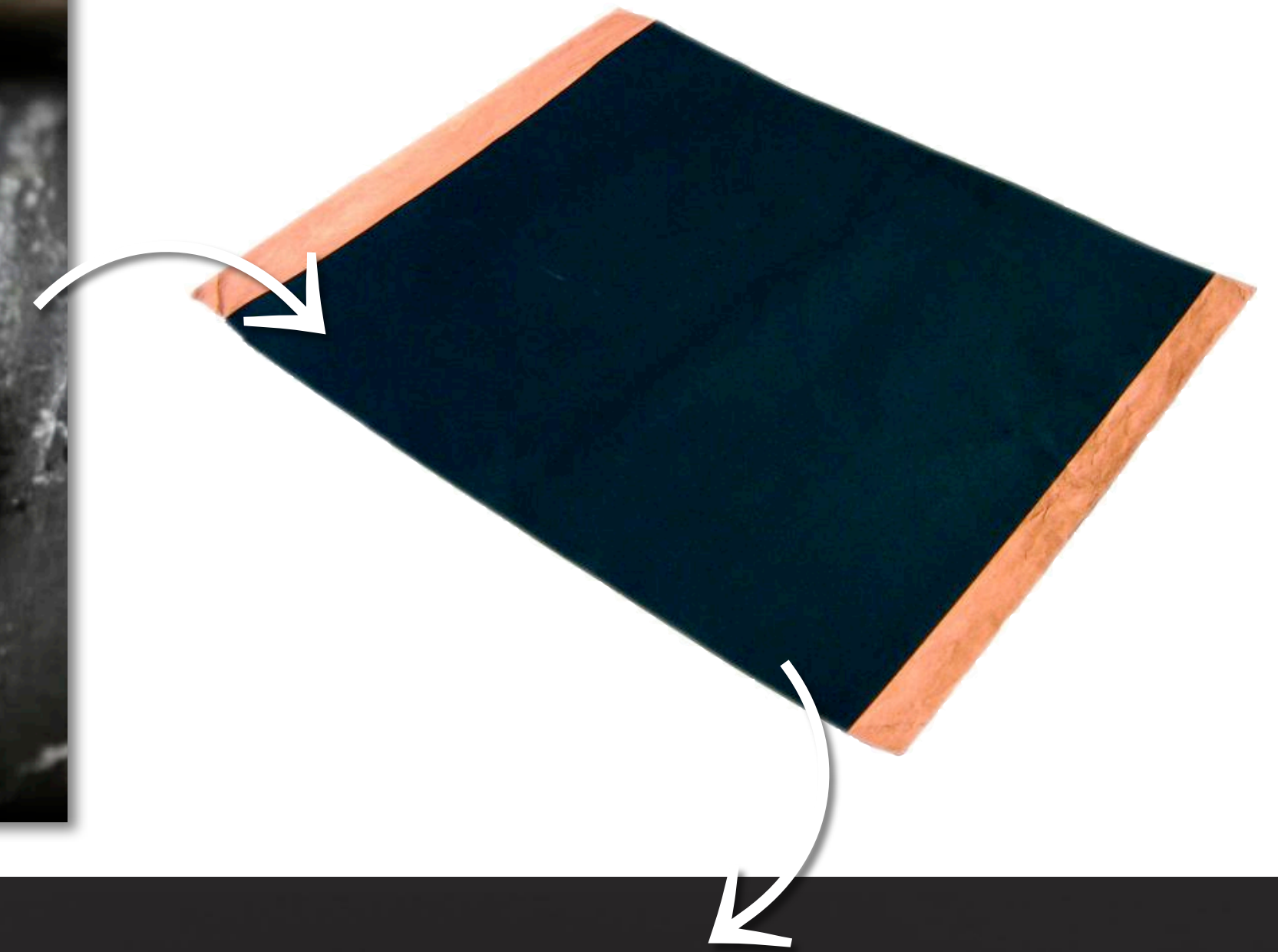
**Natural graphite at drillhole collar at Talga's 100% owned Nunasvaara graphite project in north Sweden, July 2012.**

**Volume Comparison of Natural Graphite Market in 2011**



# New Demand Driver

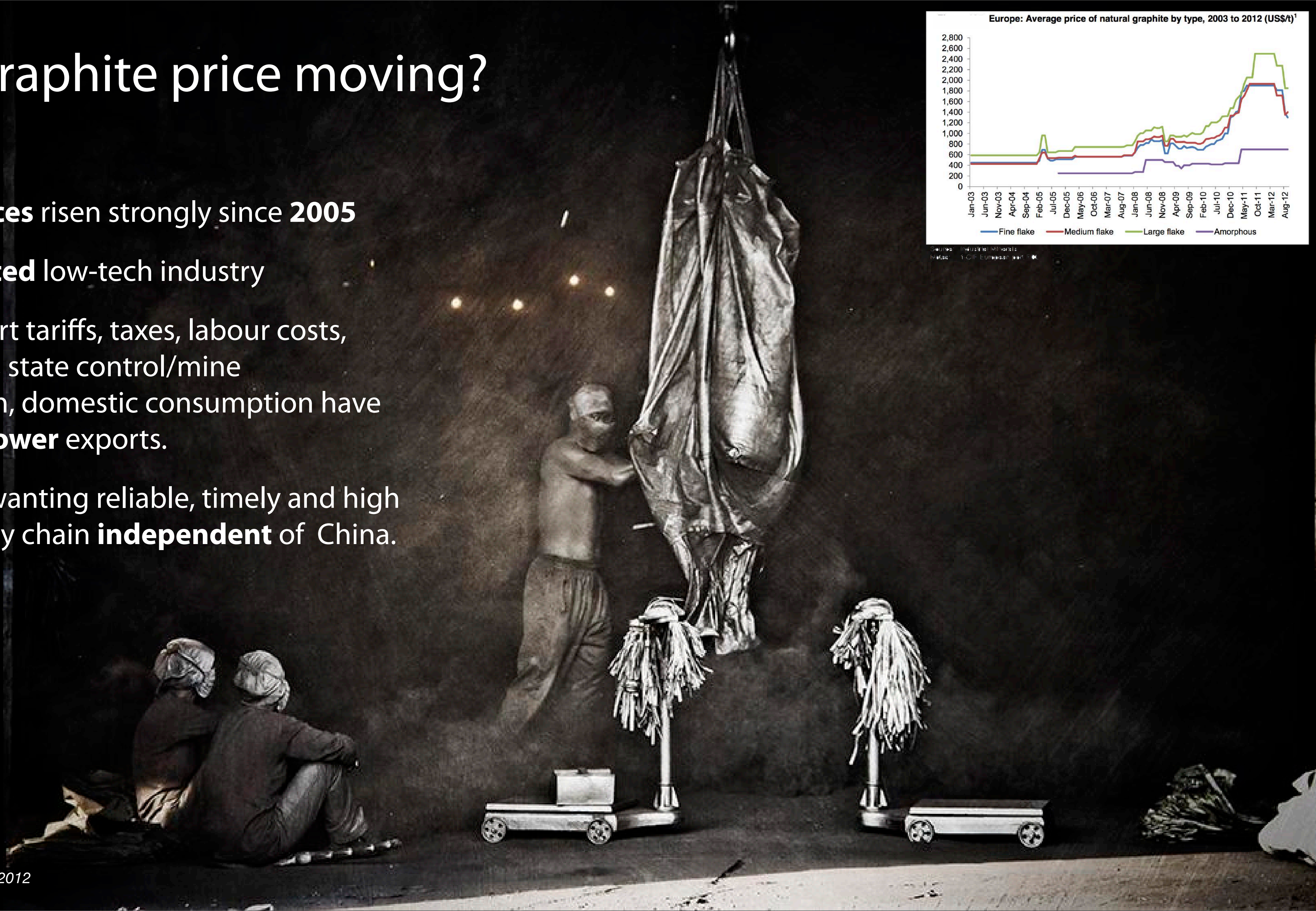
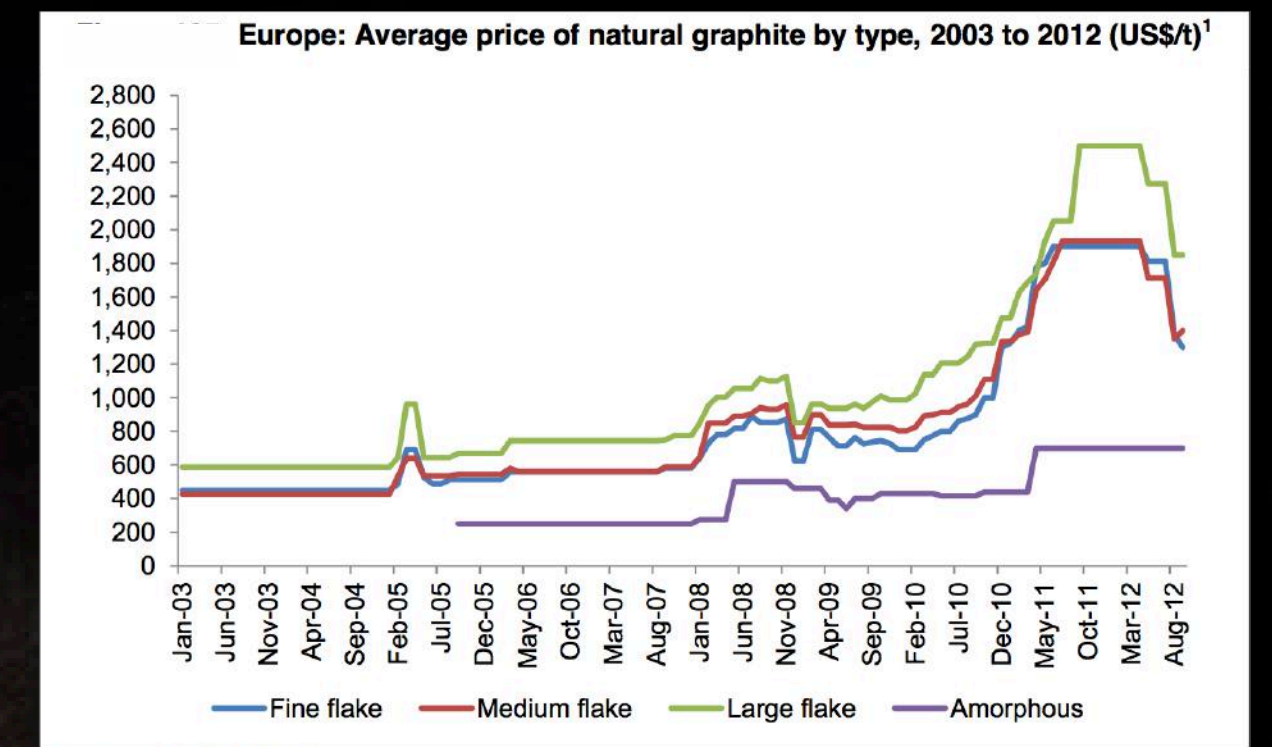
- ▶ Graphite is a significant component of Lithium ion (Li-ion) batteries. Commonly there is 10x more graphite than lithium in a battery.
- ▶ The Li-ion battery industry is growing in a carbon conscious-world; fuel cells, cars, phones, trains, wind and green power storage-to-grid. **Global Li-ion demand forecast to grow 447% to 2015\***.
- ▶ Electric vehicle batteries can use 10-90kg graphite per unit
- ▶ Electric car targets legislated for 2015 and 2020 in Germany, China and California
- ▶ Strategic located new sources of graphite supply required



\*January 23, 2012 – IDC Energy Insights “Business Strategy: Lithium Ion Manufacturing Global EI232266”

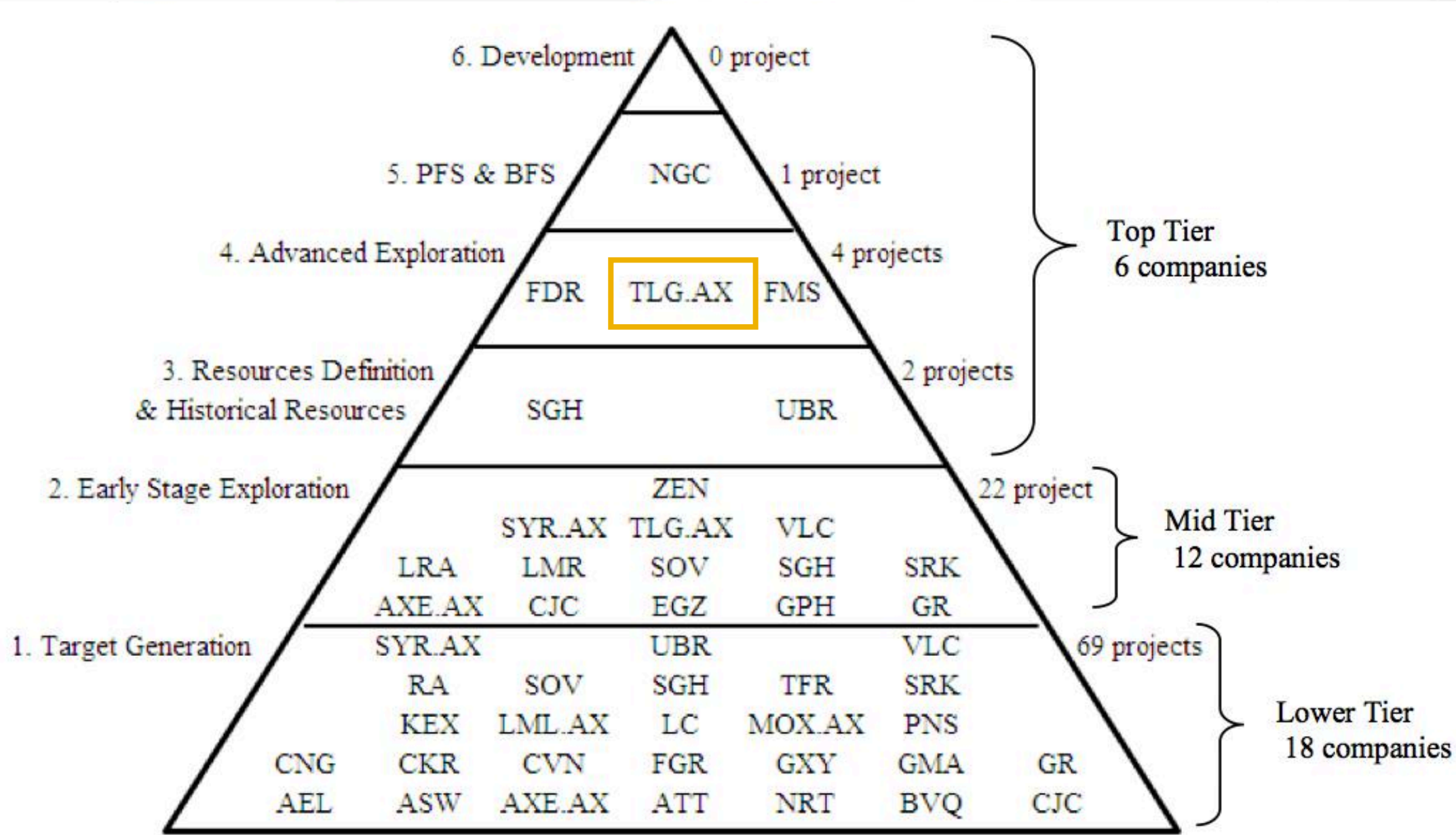
# Why is Graphite price moving?

- ▶ Graphite **prices** risen strongly since **2005**
- ▶ **Underinvested** low-tech industry
- ▶ **Higher** export tariffs, taxes, labour costs, energy costs, state control/mine consolidation, domestic consumption have resulted in **Lower** exports.
- ▶ Consumers wanting reliable, timely and high quality supply chain **independent** of China.



# Talga's Graphite Projects

- ▶ Multiple 100% owned graphite deposits adjacent to high quality infrastructure and low-cost power in a top mining jurisdiction
- ▶ Includes highest grade and 2nd largest contained graphite JORC/NI43-101 resource in world.



Note: Several companies appear in multiple categories as they have several projects in different stages.  
Source: IAS

Industrial Alliance Securities Inc. May 2012.



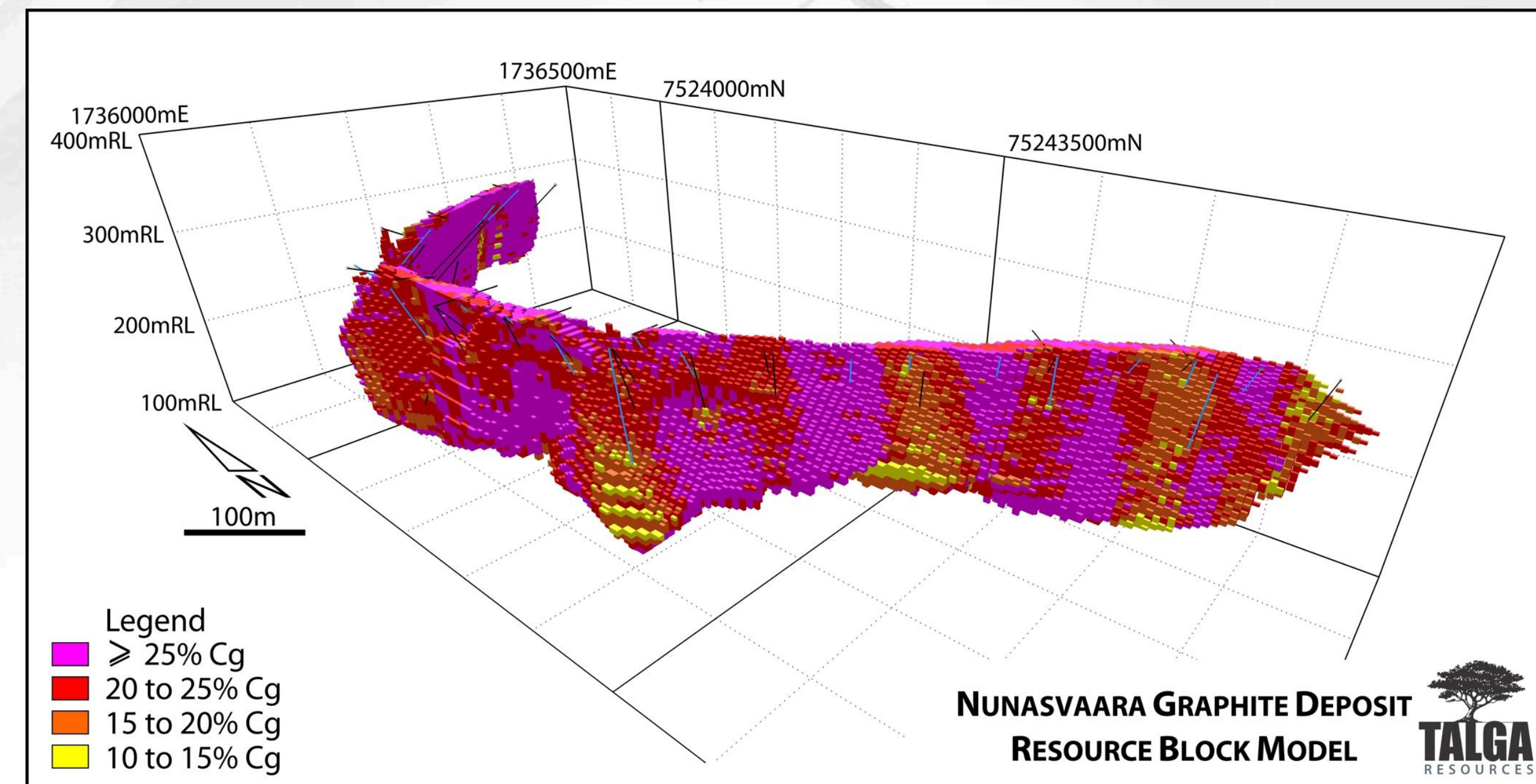
# Nunasvaara Graphite Deposit

*Nunasvaara Mineral Resource Estimate (10% Cg cut-off grade) Nov 2012*

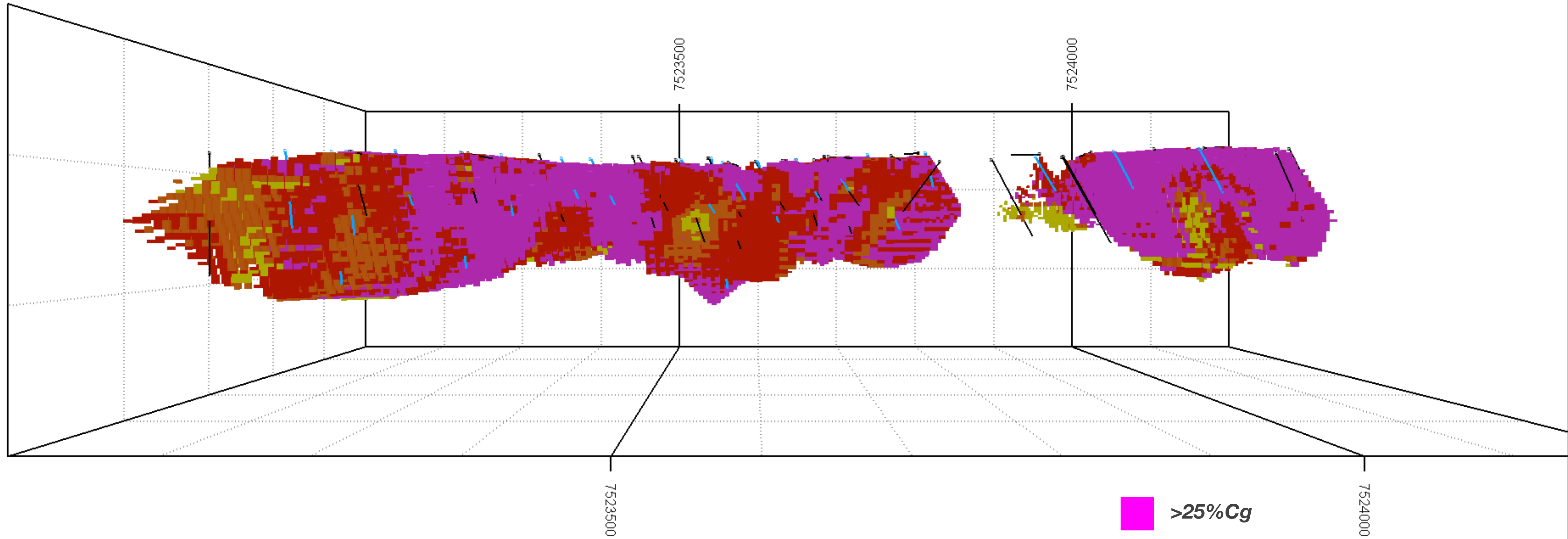
Classification	Tonnes (Mt)	Graphite (%Cg)	Contained Graphite (tonnes)
Indicated	5.6	24.6	1,377,600
Inferred	2.0	24.0	480,000
<b>Total</b>	<b>7.6</b>	<b>24.4</b>	<b>1,857,600</b>



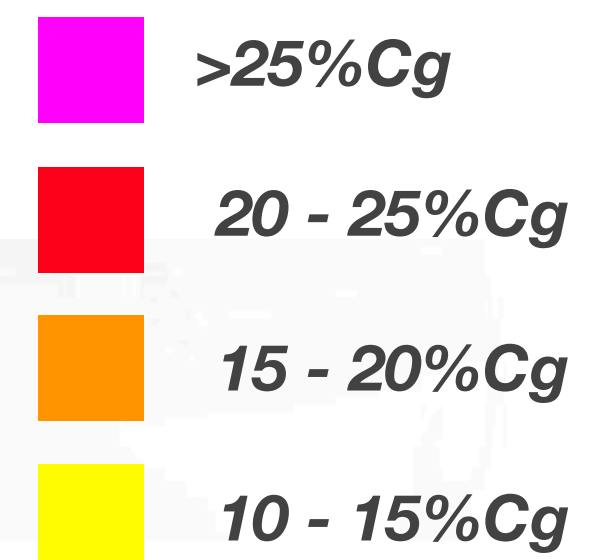
- ▶ **Highest grade graphite resource in world**
- ▶ **2nd largest resource of contained graphite in world.**
- ▶ New resource feeds scoping study
- ▶ Will review 250-500kta milling options to produce 40-80kta graphite concentrate annum
- ▶ Significant expansion potential: only 8% of mapped graphite horizon tested
- ▶ Distance to: Highway and grid power = 5km, Town = 15km, Railhead = 23km, City and international airport = 61km



# Nunasvaara Graphite Deposit - Video

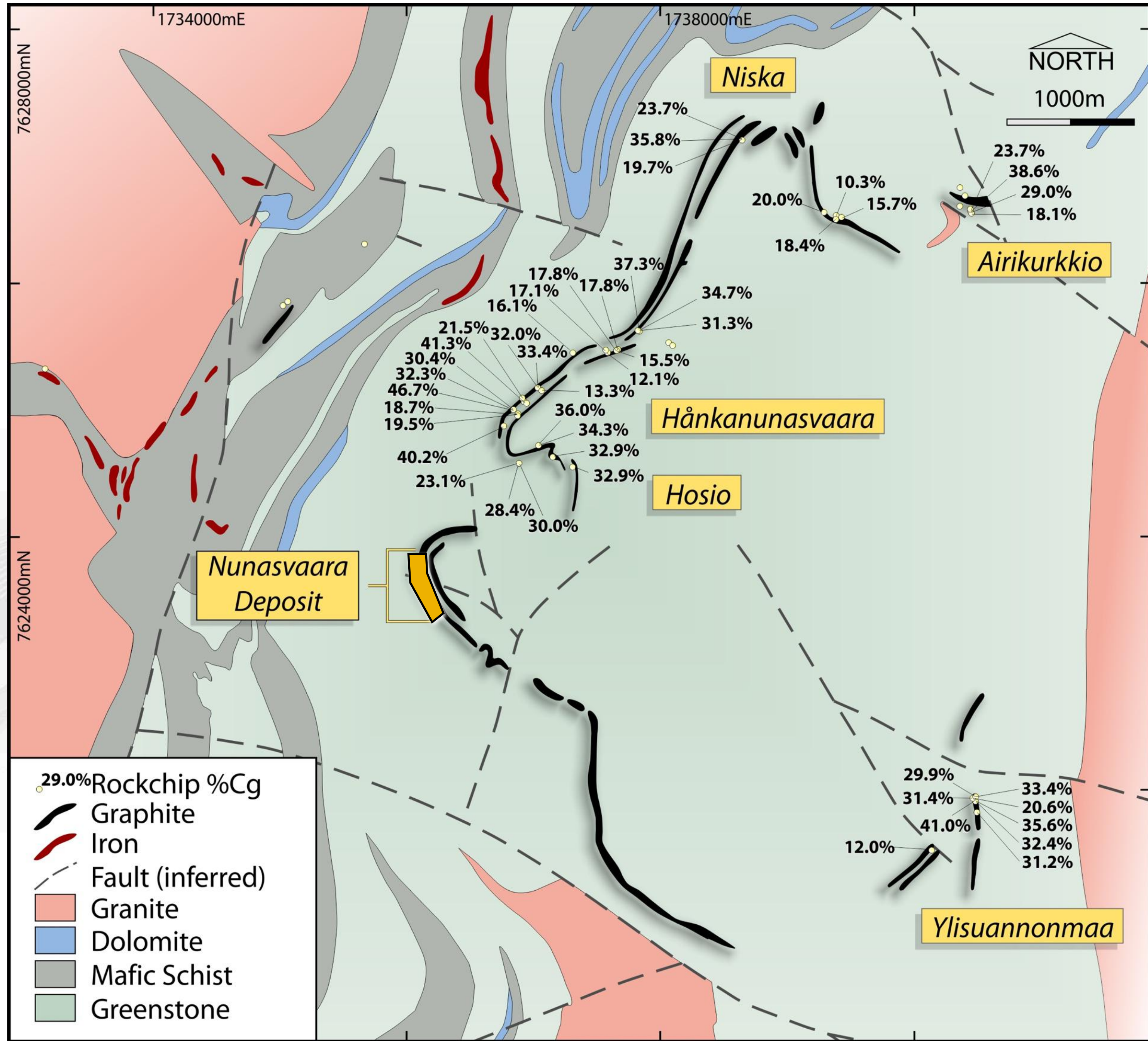


Robust high grade



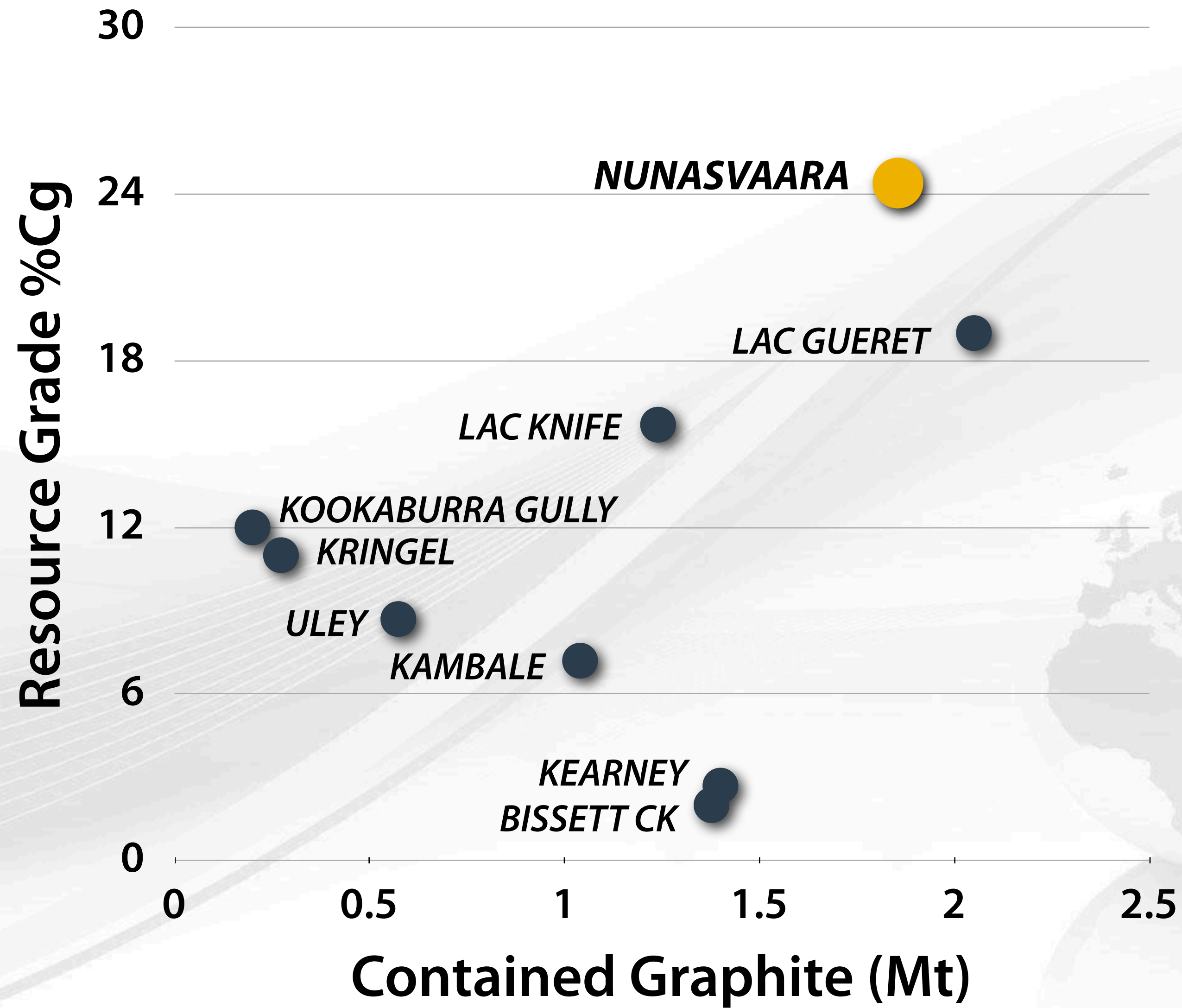
# Expansion Potential

- ▶ Talga's reconnaissance rock geochemistry program completed in Q3 included 49 samples focussed on the graphite unit along strike from Nunasvaara.
- ▶ Assay results include spectacular grades up to 46.7% graphitic carbon ("Cg") with an average grade of 26.2% Cg across all the samples. (ASX:TLG release 15 Nov 2012)
- ▶ Less than 8% of of the 15km long graphite unit unit has been drilled to date





# Graphite Deposit Peer Comparison



Notes: Published JORC Code and/or NI43-101 Mineral Resource estimates up to 8 Nov, 2012. Only deposits >0.2Mt contained graphite plotted. Source TMR Graphite Index and Public Data

# Graphite Company Peer Comparison

Published "NI43-101 or JORC Code" Mineral Resource Estimates



Company	Deposit	Million Tonnes	Grade %Cg	Cut-off %Cg	Contained Tonnes Cg	Market Cap US\$M
Mason Resources	Lac Guéret	10.4	19.3	4	2,007,200	35-45
<b>Talga Resources*</b>	<b>Nunasvaara</b>	<b>7.6</b>	<b>24.4</b>	<b>10</b>	<b>1,857,600</b>	<b>18-20</b>
Northern Graphite	Bisset Creek	81.0	1.7	1	1,377,000	50-60
Focus Graphite	Lac Knife	7.9	15.7	5	1,240,300	70-75
Castle Minerals	Kambale	14.5	7.2	5	1,036,000	28-30
Strategic (Part Owner)	Uley	6.6	8.7	3.8	574,200	8-10
Flinders Resources	Kringel	2.6	10.5	7	273,000	65-70

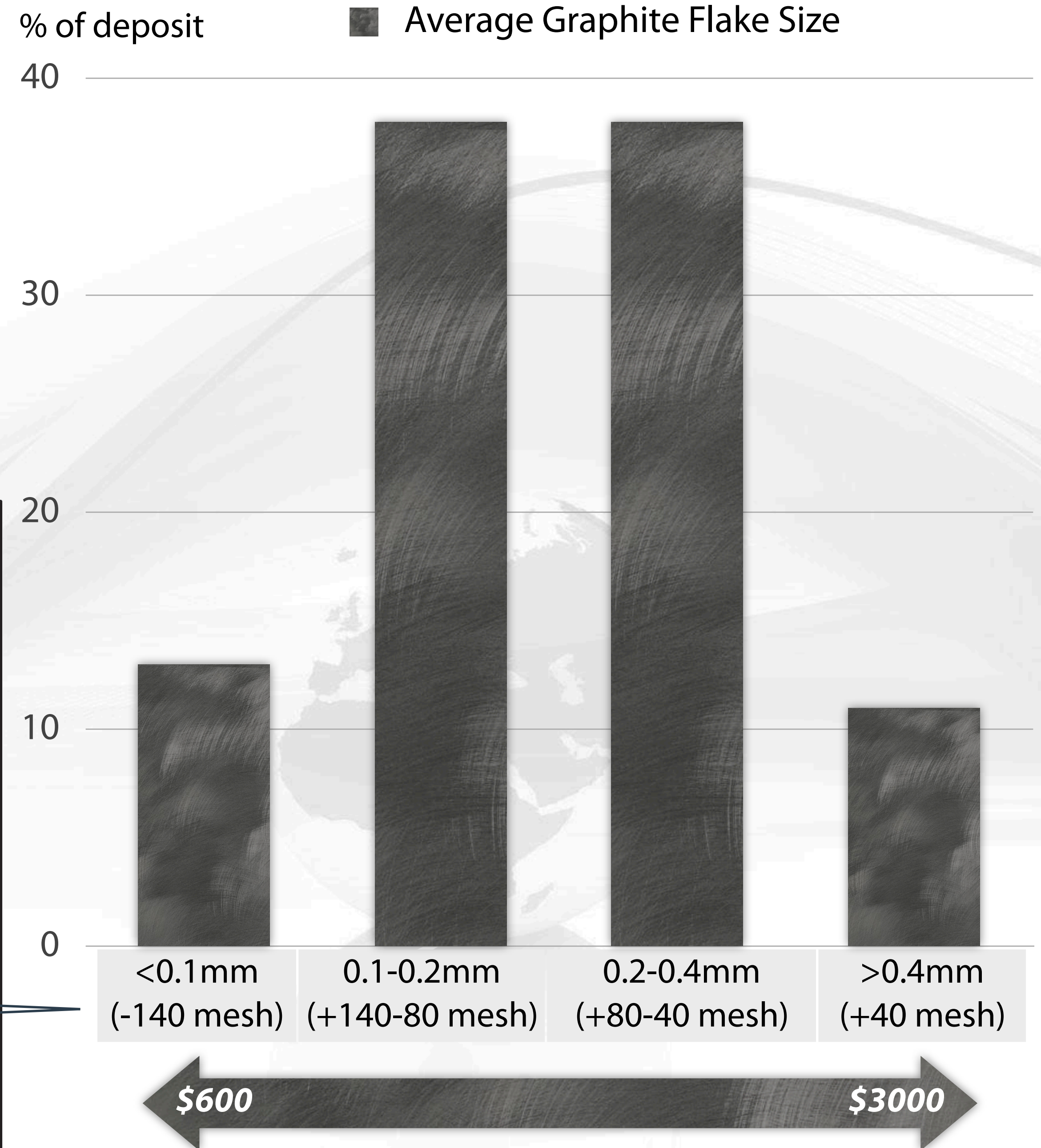
## Notes

Published JORC Code and/or NI43-101 Mineral Resource estimates up to 1 Nov, 2012. Global totals. Source TMR Graphite Index and Public Data.

\*Talga has additional JORC resource at Raitajärvi of 0.5Mt @ 10.8%Cg plus total Exploration Target<sup>1</sup> inventory **117-178Mt @ 17-23% Cg** to 100m depth across 4 projects.

# Raitajärvi flake graphite Resource

- ▶ Current JORC inferred mineral resource 0.5Mt @ 10.8%Cg at 5%Cg cut-off, Open at depth and along strike.
- ▶ 49% of deposit +80 mesh size flake and 11% of deposit +400 micron size flake ("jumbo")
- ▶ Preliminary flotation returned concentrate grade 90-93%C and upgrade test 99%C
- ▶ More than 90% of 3km strike graphite yet to be tested.
- ▶ Drilling aimed to expand size and JORC category to Indicated status and potential >10 year mine life planned for Q1 2013



Price data approximate based on Industrial Minerals magazine November 2012 commodity price list

# Exploration Graphite Projects

- ▶ Talga owns multiple graphite projects with operational synergies
- ▶ Advanced stage microcrystalline and coarse flake graphite deposits are defined by historic drilling, trenching and geophysics

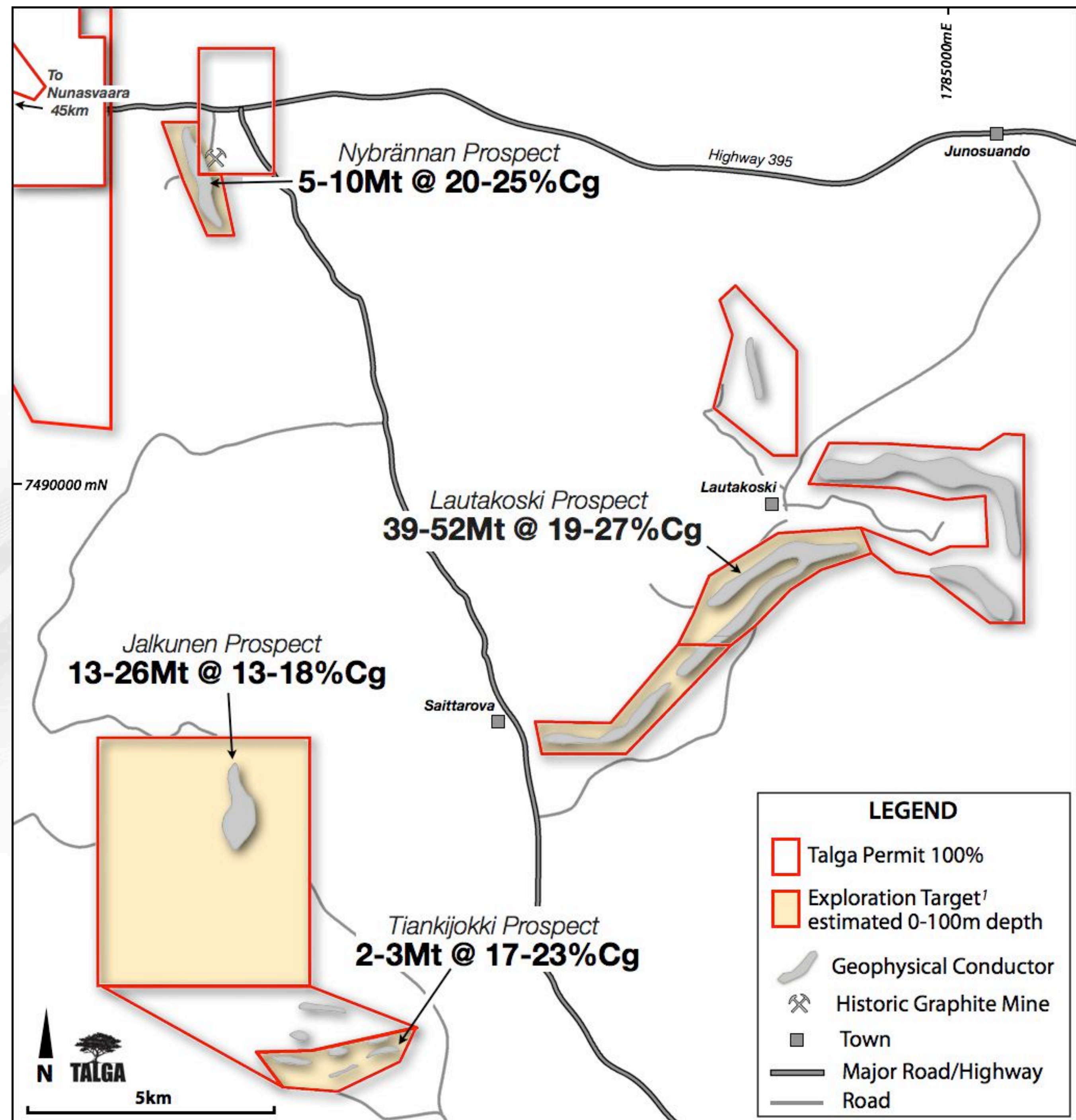
Project	Exploration Target	Tonnage Range (Mt)	Grade Range (%Cg)
Vittangi	Nunasvaara	34-51	20-25
	Mörttjärn	10-16	15-20
	Maltosrova	2-3	20-30
Raitajärvi	Raitajärvi	7-9	8-11
Jalkunen	Lautakoski	39-52	19-27
	Jalkunen	13-26	13-18
	Tiankijokki	2-3	17-23
	Nybrännan	5-10	20-25
Pajala	Lehtosölkä	4-6	8-14
	Liviovaara	1-2	18-30
<b>Total 0-100m depth</b>		<b>117-178Mt</b>	<b>17-23%Cg</b>



# Jalkunen Graphite Project

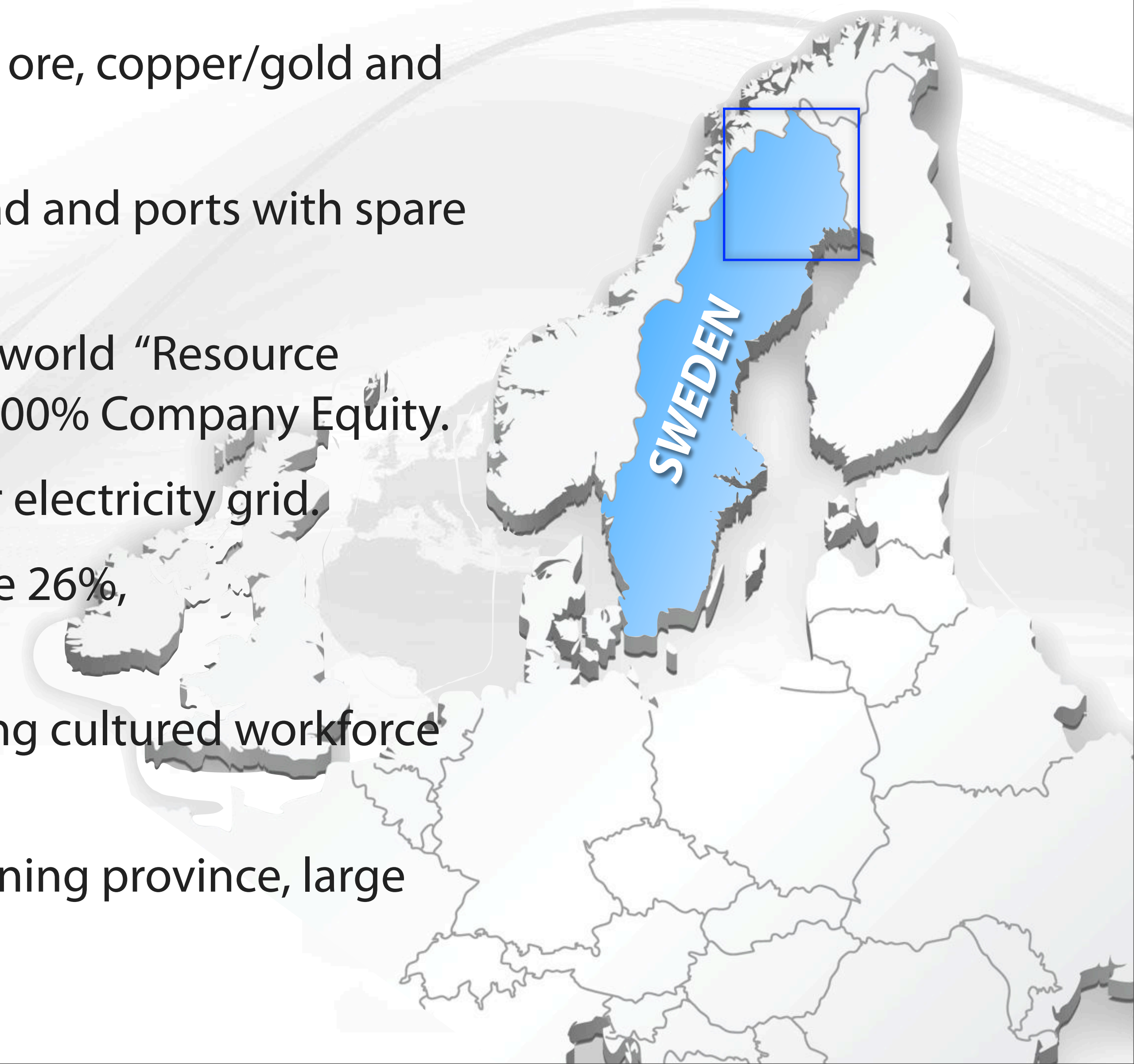
- ▶ Multiple conductors and graphite intercepted in historic drilling
- ▶ Intercept highlights\* at different prospects include:
  - Lautakoski* 45m @ 19.4%Cg & 9m @ 35.0%Cg
  - Jalkunen* 51m @ 15.5%Cg
  - Tiankijokki* 26m @ 27.7%Cg
- ▶ Graphite flake size range <0.05 - 0.4 mm
- ▶ Historic drilling/geophysics defines total Exploration Target<sup>1</sup> 59-91Mt @ 18-24% Cg
- ▶ Estimate to only 0-100m depth  
Huge growth potential

\*Selected historic drillhole intercepts. For details see Appendix 5



# Advantages of North Sweden

- ▶ **Mineral Endowment** - world class deposits of iron ore, copper/gold and graphite but under-explored on a world basis.
- ▶ **Infrastructure** - High quality public access rail, road and ports with spare capacity and government support for expansion.
- ▶ **Stable** quality jurisdiction; Sweden ranked 2nd in world “Resource Stocks” survey and No.7 “Fraser Institute Survey”. 100% Company Equity.
- ▶ **Power** - Low cost hydroelectricity, green & nuclear electricity grid.
- ▶ **Taxes** - World competitive structure Corporate rate 26%, Mineral Production tax rate 0.2%.
- ▶ **Human Resources** - Local highly skilled and mining cultured workforce and support industries.
- ▶ **Quality Mining Environment** Well established mining province, large projects being permitted and developed now.



# Established and Quality Road, Rail and Power

- ▶ High quality network of heavy duty railway to multiple ports in Sweden and Norway
- ▶ Trains are electrified, taking advantage of Sweden's low cost power supply and can generate power into grid on downhill run.
- ▶ Railway use governed by Swedish Transport Agency with access on first come first served basis.



# Established and Quality Road, Rail and Power



*Road through Vittangi project October 2012*

*Photo Mark Thompson/Talga*



# Port of Luleå

- ▶ Largest dry bulk handling port in Sweden
- ▶ Current draught 11.8m and 30m fairway (DWT 55,000)
- ▶ Deepening to 15.0m and 50m fairway in 2016
- ▶ Current annual turnover approx 9Mt and spare capacity
- ▶ Quay length up to 770m available



# Port of Narvik

- ▶ Deep water port loading Capesize ships for access from Europe to Asia
- ▶ Currently exporting 18Mt annum iron ore from LKAB with expansion plans to 50Mt total.
- ▶ Ice-free, all year access.

Exporter	2011	2015	2020
LKAB	18Mt	28Mt	34Mt
Northland	0	5	7
Others	0	0	9
Total	18Mt	33Mt	50Mt

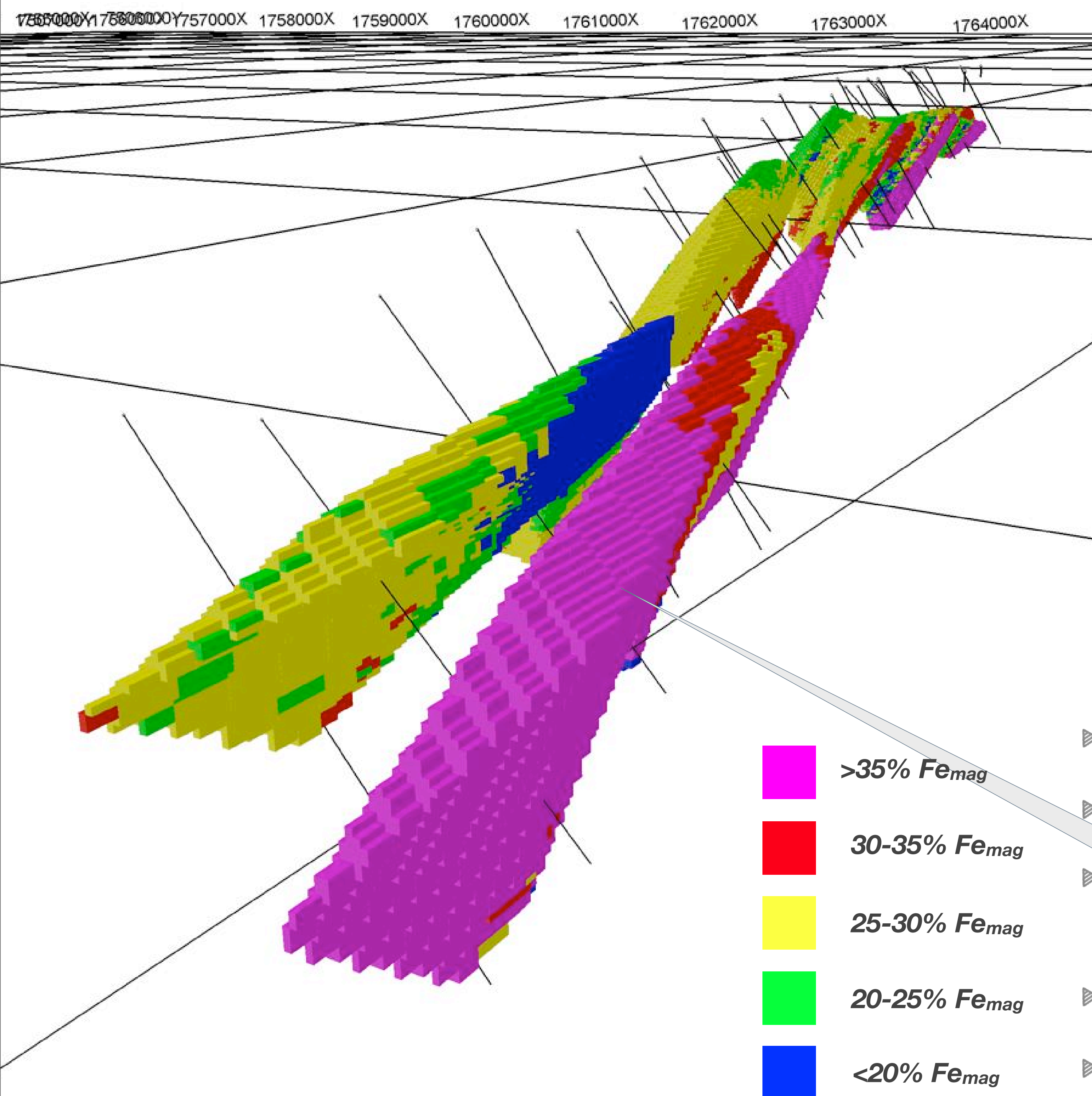


# Talga's Sweden Iron Projects

- ▶ Multiple 100% owned iron deposits between operating mines and adjacent to high quality transport & power supplies.
- ▶ Skarn magnetite iron ore has potential for low cost beneficiation and high-grading.
- ▶ Recent drilling has intersected zones of visible copper. Are VMS style deposits hiding/overprinted in the skarns?
- ▶ No systematic assaying for gold was undertaken historically. Is an IOCG discovery waiting in the old core?



# Masugnsbyn Project - Junosuando Iron Deposit



- ▶ Skarn style magnetite discovered and mined from 1644.
- ▶ Last drilled by SGU in early 1970's.

*Masugnsbyn Global Resource Estimate @ 20%Fe<sub>mag</sub> cutoff Oct 2012*

Classification	Tonnes (Mt)	Magnetite (%Fe <sub>mag</sub> )
Indicated	49.7	30.0
Inferred	37.5	29.6
<b>Total</b>	<b>87.2</b>	<b>29.9</b>

- ▶ Adjacent to all weather road and grid power
- ▶ 60km to railway
- ▶ **Potential to “high grade” deposit by selectively mining higher grade footwall zone averaging 35.2% Fe<sub>mag</sub>**
- ▶ Global total resource grade 0.03%P and 1.94%S
- ▶ Potential copper credits

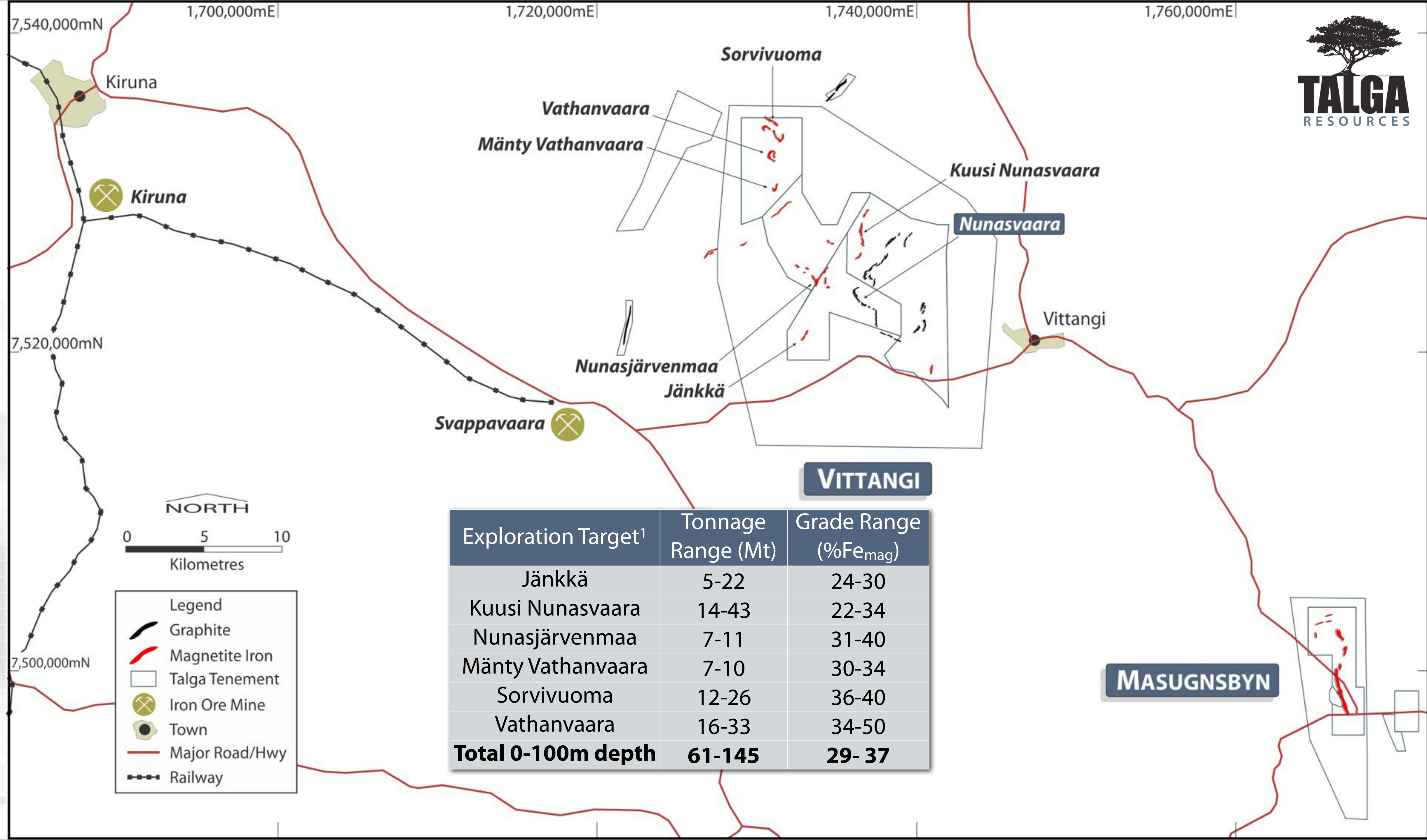
# Iron deposits in the Fennoscandian shield

## Copper-Gold potential



- ▶ Many of Talga's iron deposits are IOCG targets previously examined 1992-2008 by Equinox, Anglo-American, Phelps Dodge and Teck.
- ▶ Much base line work done; geochemical sampling, magnetic and gravity surveys, relatively few drill holes completed.
- ▶ Historic copper grades encouraging and becoming more significant in the modern era.
- ▶ No systematic assaying for gold in historical SGU core.
- ▶ Potential discovery; ~8m massive sulphide zone with chalcopyrite intercepted in current drilling at end of Junosuando grid; Assays pending.
- ▶ Program to systematically assay gold and copper through all historic holes to commence Q1 2013

*Part of sulphide zone intercepted 40-47.6m depth, MAS1216 Masugnsbyn. Core presents visual mineralisation as pyrite, pyrrhotite, chalcopyrite and magnetite. See Appendix 4 for Masugnsbyn drill hole details.*



Exploration Target <sup>1</sup>	Tonnage Range (Mt)	Grade Range (%Fe <sub>mag</sub> )
Jänkkä	5-22	24-30
Kuusi Nunasvaara	14-43	22-34
Nunasjärvenmaa	7-11	31-40
Mänty Vathanvaara	7-10	30-34
Sorvivuoma	12-26	36-40
Vathanvaara	16-33	34-50
<b>Total 0-100m depth</b>	<b>61-145</b>	<b>29- 37</b>

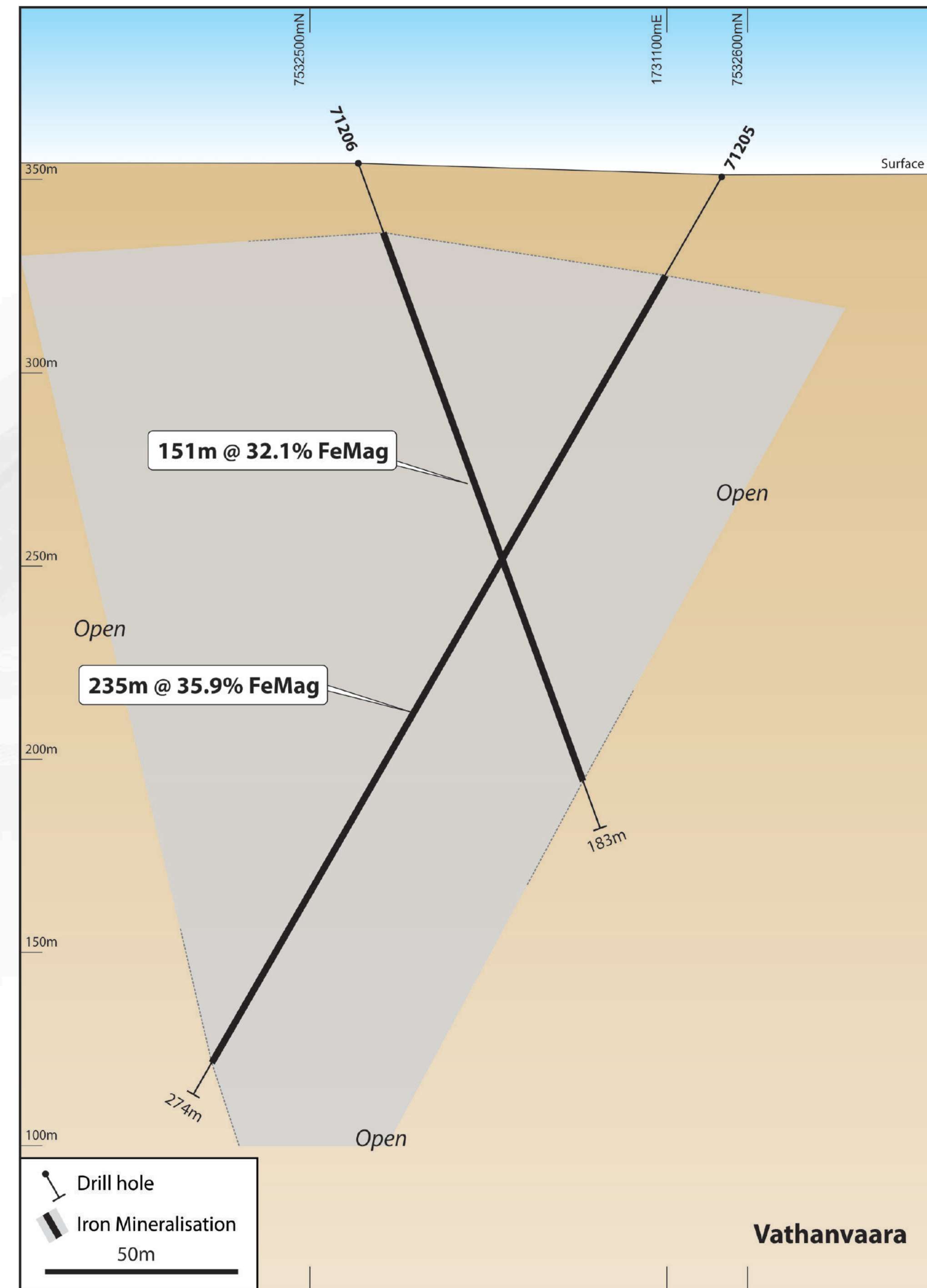
**MASUGNSBYN**

# Vittangi Iron Targets

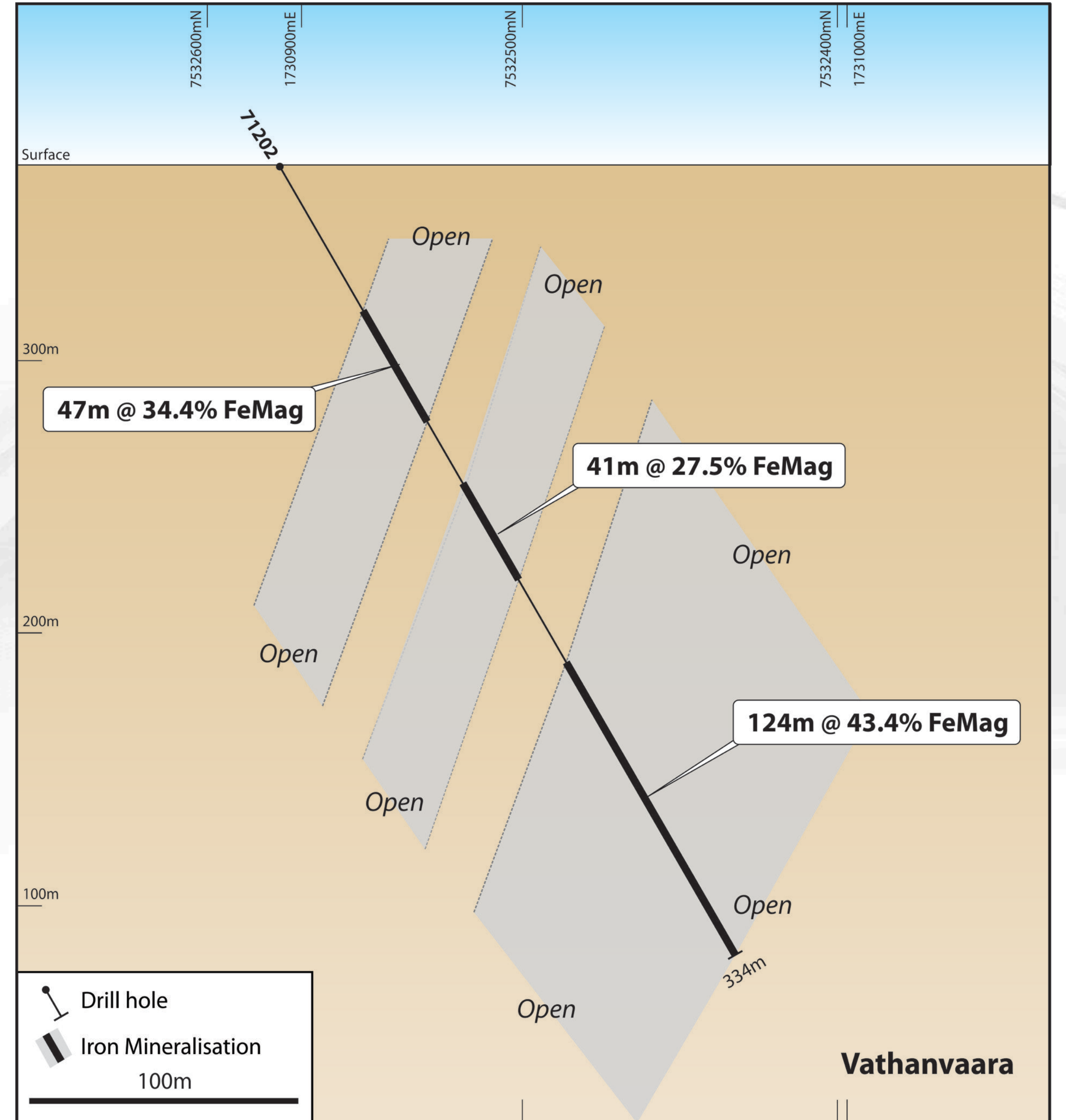
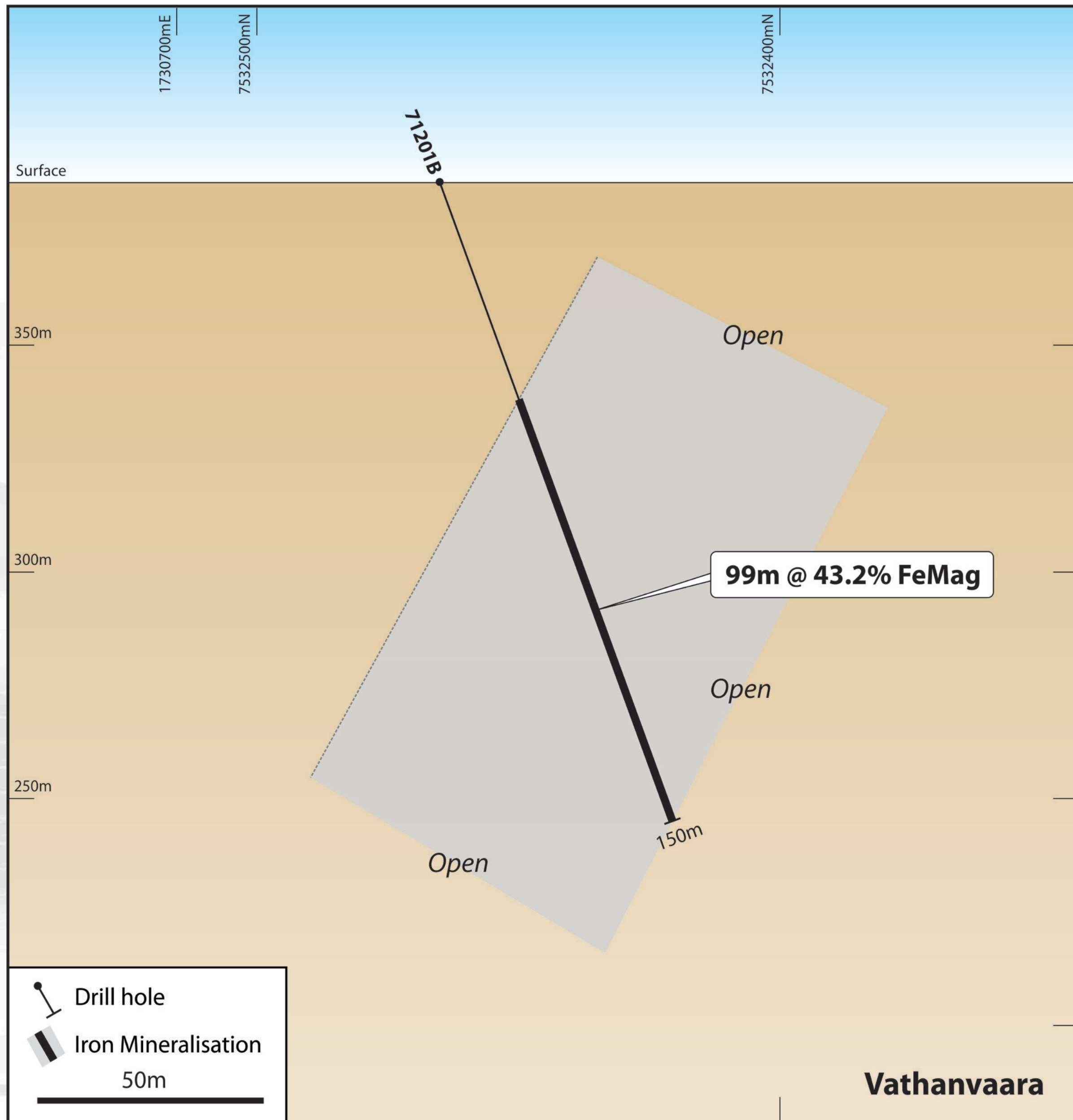
## Selected Significant Iron Intercepts from Historic Drilling in Vittangi Project

Exploration Target	Hole ID	East (RT90)	North (RT90)	Hole Depth (m)	Azi	Dip	From (m)	To (m)	Interval (m)	% Fe <sub>mag</sub>
Jänkkä	Jank 71001	1733109	7521322	161	112	-60	46	98	52	26.6
Kuusi Nunasvaara	72502	1736757	7527975	225	292	-60	104	160	56	26.3
Mänty Vathanvaara	71001	1731343	7530271	350	0	-60	63	163	100	30.2
Sorvivuoma	72201	1730764	7534130	165	0	-60	20	92	72	30.7
Sorvivuoma	72202	1730559	7534105	146	0	-60	45	87	42	35.4
Vathanvaara	71201B	1730729	7532465	150	150	-70	51	150	99	43.2
Vathanvaara	71202	1730896	7532577	334	150	-60	61	108	47	34.4
							134	175	41	27.5
							210	334	124	43.4
Vathanvaara	71204B	1730875	7532437	183	330	-60	50	150	100	37.8
Vathanvaara	71205	1731107	7532595	274	208	-60	30	265	235	35.9
Vathanvaara	71206	1731071	7532507	183	28	-70	19	170	151	32.1
Vathanvaara	71208	1730955	7532497	171	330	-80	9	130	121	34.1
Vathanvaara	71209	1731083	7532247	140	85	-60	75	140	65	38.1
Vathanvaara	71211	1731146	7532373	109	265	-60	40	90	50	34.1

**Note. Intervals selected based on min. composite width of 40m at >25% Femag and max. width of internal waste 10m. See Appendix 3 for drillhole details**



# Vittangi Project Historic Drilling





# Corporate Overview



## Board



**Sean Neary**  
B.Ec, M.Law (Tax), CPA  
*Chairman &  
Non-Executive Director*



**Mark Thompson**  
MAIG, MSEG  
*Founder &  
Managing Director*

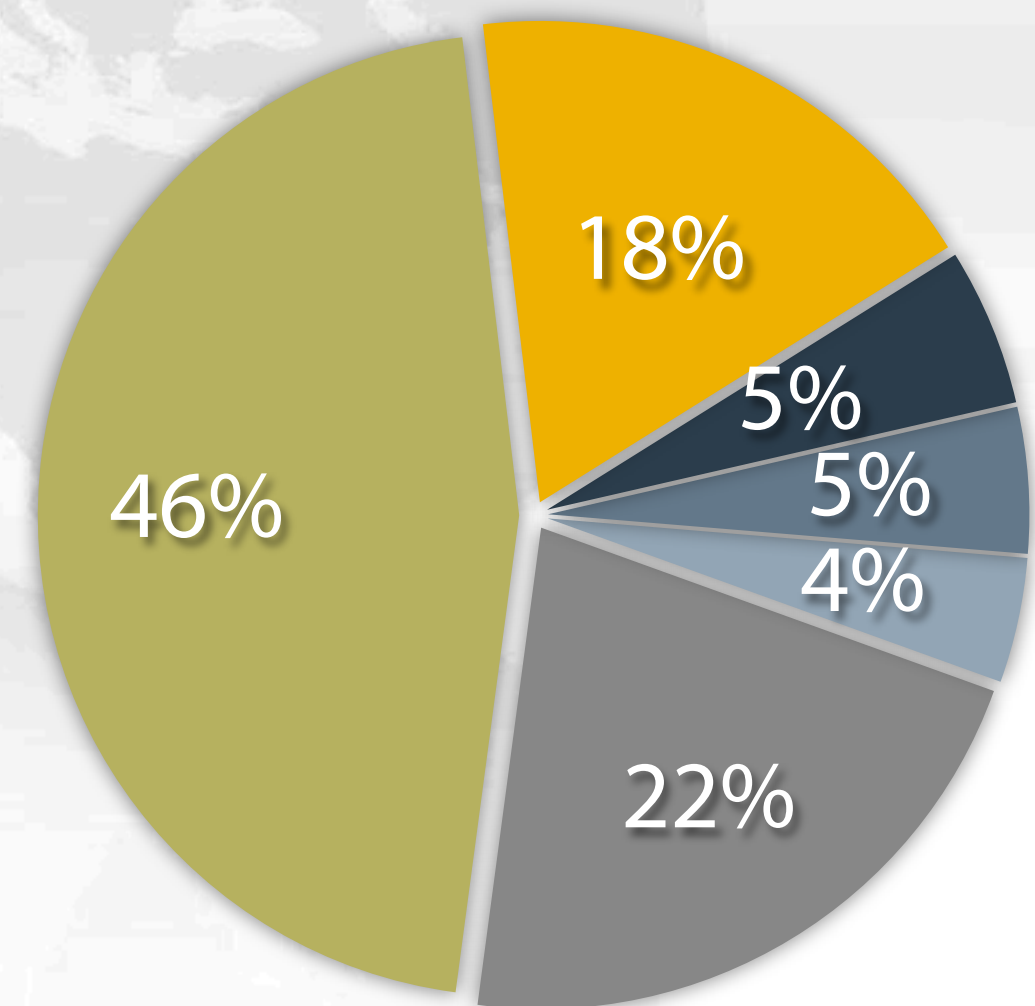


**Piers Lewis**  
B.Comm, CA  
*Company Secretary &  
Non-Executive Director*

ASX Ticker/Code	TLG
Shares	<b>53.30 Million</b>
Options (unlisted/employee) 1.1m @ 20c expiring 16 Dec 2012 2.75m @ 40c expiring 30 Nov 2014 plus various employee options	<b>4.85 Million</b>
Market Capitalisation (Fully Diluted basis, Price \$0.33)	<b>\$19 Million</b>
Cash (At Oct 31,2012. \$=AUD)	<b>\$2.6 Million</b>

## Top 20 own 54%

- Board & Management
- United Overseas Service Ltd
- Kin Chun Wong
- JP Morgan Nominees
- Balance of Top 20
- Retail & Others



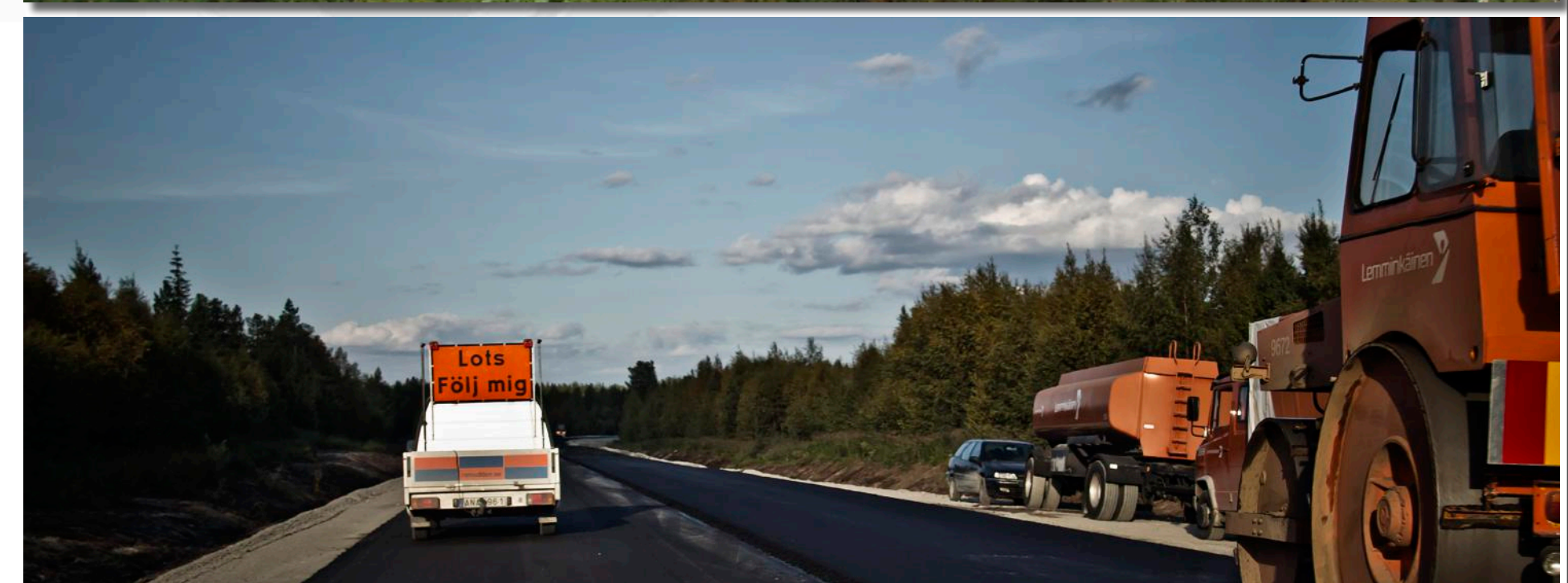
# Why Invest?

- ✓ **Grade:** Highest grade graphite deposit in the world, with current Indicated and Inferred resource total of 7.6Mt @ 24.4% graphitic carbon (Cg) at Nunasvaara
- ✓ **Size:** Second largest deposit in the world, with 1.9Mt contained graphite
- ✓ **Longevity:** Current Nunasvaara resource expected to exceed 20 year open-cut mine life
- ✓ **Infrastructure:** Adjacent to high-quality transport solutions, infrastructure and low-cost power in a top mining jurisdiction
- ✓ **Optionality:** Multiple 100% owned graphite deposits in four nearby projects areas
- ✓ **Flexibility:** Unique potential to swing-produce both flake and amorphous graphite
- ✓ **Growth Potential:** Large land position with further six graphite deposits defined to drill ready status
- ✓ **Leverage:** Tightly held share register and 100% project equity provides leverage for success



# Upcoming Catalysts

- ▶ Drill results Masugnsbyn iron +/-copper-gold Dec 2012
- ▶ Drilling Raitajärvi flake graphite deposit Q1 2013 for resource upgrade
- ▶ Results of preliminary economic study (Scoping/PFS) on Nunasvaara graphite deposit early 2013
- ▶ Drilling flake graphite prospects Mörttjärn and Maltosrova in Vittangi project Q1-Q2 2013
- ▶ Copper-gold results from archived diamond core



- To invest in Talga Resources
- Partner on a project
- Seek further information

## Contact in **Australia**

Mark Thompson - Managing Director

1st Floor, 2 Richardson St West Perth WA 6005

Tel +61 8 9481 6667 [admin@talgaresources.com](mailto:admin@talgaresources.com)

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

## Contact in **Sweden**

Talga Mining, Landschef - Bruce Cripps

Luleå Sverige

Mobilnummer: +46 725707877 [bruce@talgaresources.com](mailto:bruce@talgaresources.com)



# Appendices



## Appendix 1. Nunasvaara - 2012 Drill hole Intercepts

Hole ID	East (RT90)	North (RT90)	Hole Depth (m)	Azi	Dip	From (m)	To (m)	Interval (m)	Est. True Width (m)	% Graphite
NUS12001	1736020	7523809	63.45	90	-44	17.4	42.3	24.8	22	24.9
NUS12002	1736014	7523738	110.05	55	-61	59.0	84.6	25.7	19	21.4
NUS12003	1736039	7523687	58	58	-45	8.0	38.3	30.3	25	28.7
<b>incl.</b>						<b>12.0</b>	<b>38.3</b>	<b>26.3</b>	<b>22</b>	<b>30.2</b>
NUS12004	1736050	7523646	66.2	57	-46	7.3	47.5	40.2	33	28.2
<b>incl.</b>						<b>19.0</b>	<b>45.0</b>	<b>26.0</b>	<b>21</b>	<b>30.5</b>
NUS12005	1736056	7523600	86.95	58	-60	49.9	78.7	28.8	24	25.4
<b>incl.</b>						<b>66.0</b>	<b>70.0</b>	<b>4.0</b>	<b>3</b>	<b>30.8</b>
NUS12006	1736096	7523559	62.3	54	-45	20.0	53.0	33.0	27	19.9
<b>incl.</b>						<b>32.0</b>	<b>36.7</b>	<b>4.7</b>	<b>4</b>	<b>31.9</b>
NUS12007	1736063	7523544	157.85	52	-80	110.0	146.7	36.7	18	26.0
<b>incl.</b>						<b>118.0</b>	<b>136.0</b>	<b>18.0</b>	<b>9</b>	<b>30.4</b>
NUS12008	1736096	7523511	91.1	52	-44	48.9	73.3	24.3	20	22.5
NUS12009	1736168	7523421	72.25	50	-45	49.3	59.0	9.8	8	32.9
NUS12010	1736206	7523398	59.85	55	-46	28.0	47.5	19.5	17	25.0
<b>incl.</b>						<b>38.0</b>	<b>47.5</b>	<b>9.5</b>	<b>8</b>	<b>31.2</b>
NUS12011	1736243	7523348	69.15	55	-59	20.0	59.4	39.4	29	26.4
<b>incl.</b>						<b>43.7</b>	<b>56.0</b>	<b>12.3</b>	<b>9</b>	<b>31.4</b>
NUS12012	1736271	7523318	109.6	55	-80	38.5	98.3	59.8	24	26.4
<b>incl.</b>						<b>69.2</b>	<b>98.3</b>	<b>29.1</b>	<b>12</b>	<b>31.0</b>
NUS12013	1736309	7523273	70.65	51	-45	27.0	57.0	30.0	27	28.1
<b>incl.</b>						<b>31.0</b>	<b>57.0</b>	<b>26.0</b>	<b>23</b>	<b>31.1</b>
NUS12014	1736339	7523244	76.6	51	-69	22.5	61.2	38.7	24	17.5
NUS12015	1736325	7523225	118.95	51	-76	64.0	109.7	45.7	30	17.8
<b>incl.</b>						<b>79.0</b>	<b>91.0</b>	<b>12.0</b>	<b>8</b>	<b>30.5</b>
NUS12016	1736363	7523206	79.25	54	-56	35.4	53.0	17.6	13	25.4
NUS12017	1736288	7524006	115	324	-42	59.7	96.5	36.8	18	23.5
<b>incl.</b>						<b>61.0</b>	<b>67.0</b>	<b>6.0</b>	<b>3</b>	<b>33.1</b>
NUS12018	1736226	7523954	150.85	324	-44	45.9	131.0	85.1	33	22.1
<b>incl.</b>						<b>45.9</b>	<b>79.7</b>	<b>33.8</b>	<b>13</b>	<b>30.5</b>
NUS12019	1736132	7523908	78.85	324	-44	52.2	66.2	14.0	12	23.5

## Appendix 2. Raitajärvi - Historic graphite flake size measurements from 87 samples observed

Sampled Profile	<0.1mm (-140 mesh)	0.1-0.2mm (140 to 80 mesh)	0.2-0.4mm (80 to 40 mesh)	>0.4mm (+40 mesh)
3605N	10%	40%	50%	0%
2905N	10%	40%	50%	0%
2310N	10%	40%	50%	0%
2080N	20%	40%	30%	10%
1880N	20%	50%	30%	0%
1800N	10%	60%	30%	0%
1775N	10%	30%	40%	20%
1750N	10%	30%	40%	20%
1725N	10%	20%	40%	30%
1705N	20%	30%	30%	20%
1660N	10%	50%	30%	10%
1630N	20%	20%	40%	20%
1600N	10%	50%	30%	10%
<b>Weighted Ave.</b>	<b>13%</b>	<b>38%</b>	<b>38%</b>	<b>11%</b>

Note. Samples consisting of half core (original core diameter approximately NQ size) were prepared and assayed by ALS-Chemex with graphite and multi-elements respectively measured using the LECO and ICP techniques. Internal laboratory QAQC was completed during sample analysis and external standards used to monitor quality, with satisfactory results. Intercepts may vary across different datasets due to rounding.

# Appendices



Appendix 3. Vittangi - Summary of selected historic drillhole iron intercepts.

Exploration Target	Hole ID	East (RT90)	North (RT90)	Hole Depth (m)	Azi	Dip	From (m)	To (m)	Interval (m)	% Fe <sub>mag</sub>
Jänkkä	Jank 71001	1733109	7521322	161	112	-60	46	98	52	26.6
Kuusi Nunasvaara	72502	1736757	7527975	225	292	-60	104	160	56	26.3
Mänty Vathanvaara	71001	1731343	7530271	350	0	-60	63	163	100	30.2
Sorvivuoma	72201	1730764	7534130	165	0	-60	20	92	72	30.7
Sorvivuoma	72202	1730559	7534105	146	0	-60	45	87	42	35.4
Vathanvaara	71201B	1730729	7532465	150	150	-70	51	150	99	43.2
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							134	175	41	27.5
							210	334	124	43.4
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Vathanvaara	71205	1731107	7532595	274	208	-60	30	265	235	35.9
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Vathanvaara	71208	1730955	7532497	171	330	-80	9	130	121	34.1
Vathanvaara	71209	1731083	7532247	140	85	-60	75	140	65	38.1
Vathanvaara	71211	1731146	7532373	109	265	-60	40	90	50	34.1

Note. Intervals selected based on min. composite width of 40m at >25% Fe<sub>mag</sub> and max. width of internal waste 10m.

Appendix 4. Masugnsbyn - Drillhole data 2012 Talga drilling

Hole ID	East (RT90)	North (RT90)	Azi	Dip	Hole Depth (m)
MAS1201	1766485	7499293	70	-50	170
MAS1203	1766447	7499399	70	-60	193
MAS1204	1766435	7499523	70	-55	128
MAS1205	1766331	7499604	70	-57	200
MAS1206	1766404	7499604	70	-57	149
MAS1207	1766394	7499706	70	-50	128
MAS1208	1766325	7499795	70	-55	188
MAS1209	1766414	7499821	70	-60	104
MAS1216	1766585	7500286	70	-55	164

Appendix 5. JalkunenProject - Selected Historic Drillhole data

Hole ID	East (RT90)	North (RT90)	Hole Depth (m)	Azi	Dip	From (m)	To (m)	Interval (m)	% Graphite
Jalk_86_001	1770178	7483800	261	90	-60	150.0	200.6	50.6	15.5
Tian_82_005	1773794	7478540	156	0	-60	57.2	62.7	5.5	15.0
						75.9	101.6	25.7	27.7
Tian_82_006	1773600	7,478,750	84	0	-45	49.0	57.9	8.9	11.0
Suin_58_001 a	1782433	7488713	99	100	-45	25.1	69.9	44.8	19.4
						78.2	87.6	9.4	35.0

Note. Intervals selected based on min. composite width of 5m at >10% Cg.

# References & Qualified Persons



**1 Exploration Targets:** The estimates of exploration target sizes in this announcement are in accordance with the guidelines of the JORC Code (2004) and should not be misunderstood or misconstrued as estimates of Mineral Resources. The potential quantity and quality of the exploration targets are conceptual in nature and there has been insufficient exploration to define a Mineral Resource and it is uncertain if further exploration will result in the determination of a Mineral Resource.

## **Competent Person's Statement**

The information in this report that relates to Exploration Results is based on information compiled and reviewed by Mr Darren Griggs and Mr Mark Thompson, who are members of the Australian Institute of Geoscientists. Mr Griggs and Mr Thompson are employees of the Company and have sufficient experience which is relevant to the activity to which is being undertaken to qualify as a "Competent Person" as defined in the 2004 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" ("JORC Code"). Mr Griggs and Mr Thompson consent to the inclusion in the report of the matters based on this information in the form and context in which it appears.

The information in this report that relates to Resource Estimation is based on information compiled and reviewed by Mr Simon Coxhell. Mr Coxhell is a consultant to the Company and a member of the Australian Institute of Mining and Metallurgy. Mr Coxhell has sufficient experience relevant to the styles of mineralisation and types of deposits which are covered in this document and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" ("JORC Code"). Mr Coxhell consents to the inclusion in this report of the matters based on this information in the form and context in which it appears.