



Dysprosium – Yttrium – Erbium

Heavy Rare Earth (HREE) in the Northern Territory

Discovery, Demand & Development



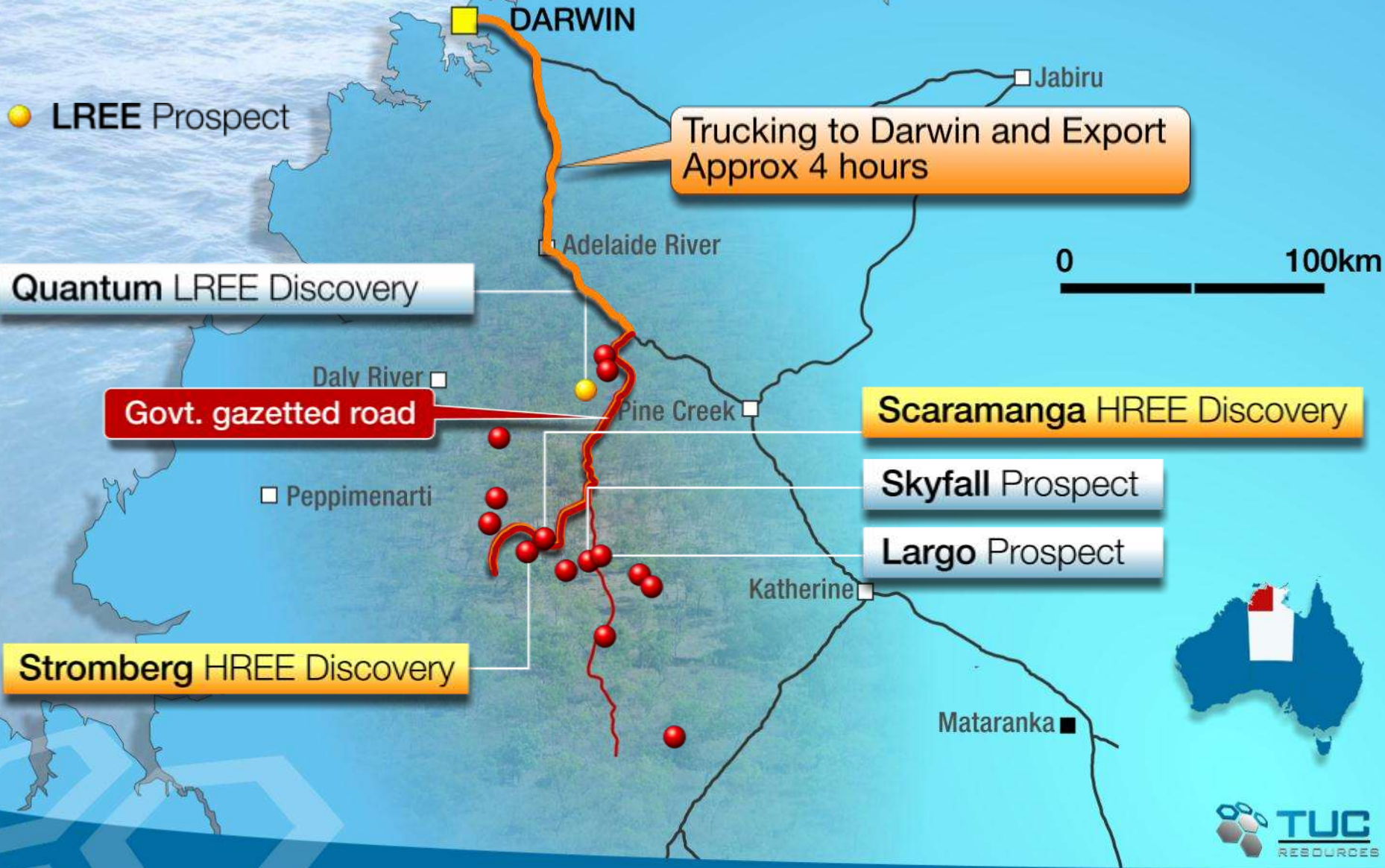
Investor Update - Eastern States
February 2013

Video fly through of Stromberg Prospect (available on TUC website)



Infrastructure Map

NORTHERN TERRITORY

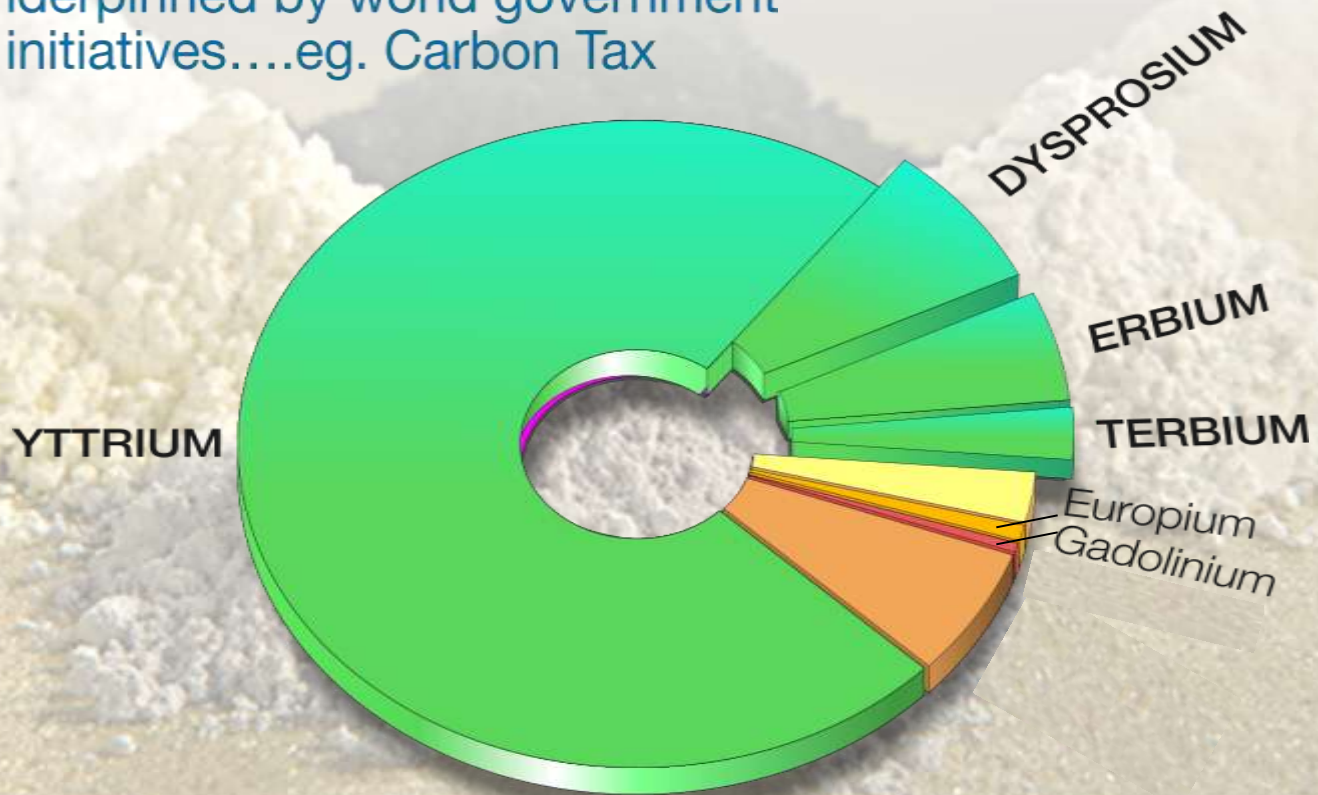


Stromberg Deposit

Heavy REE's  Light REE's

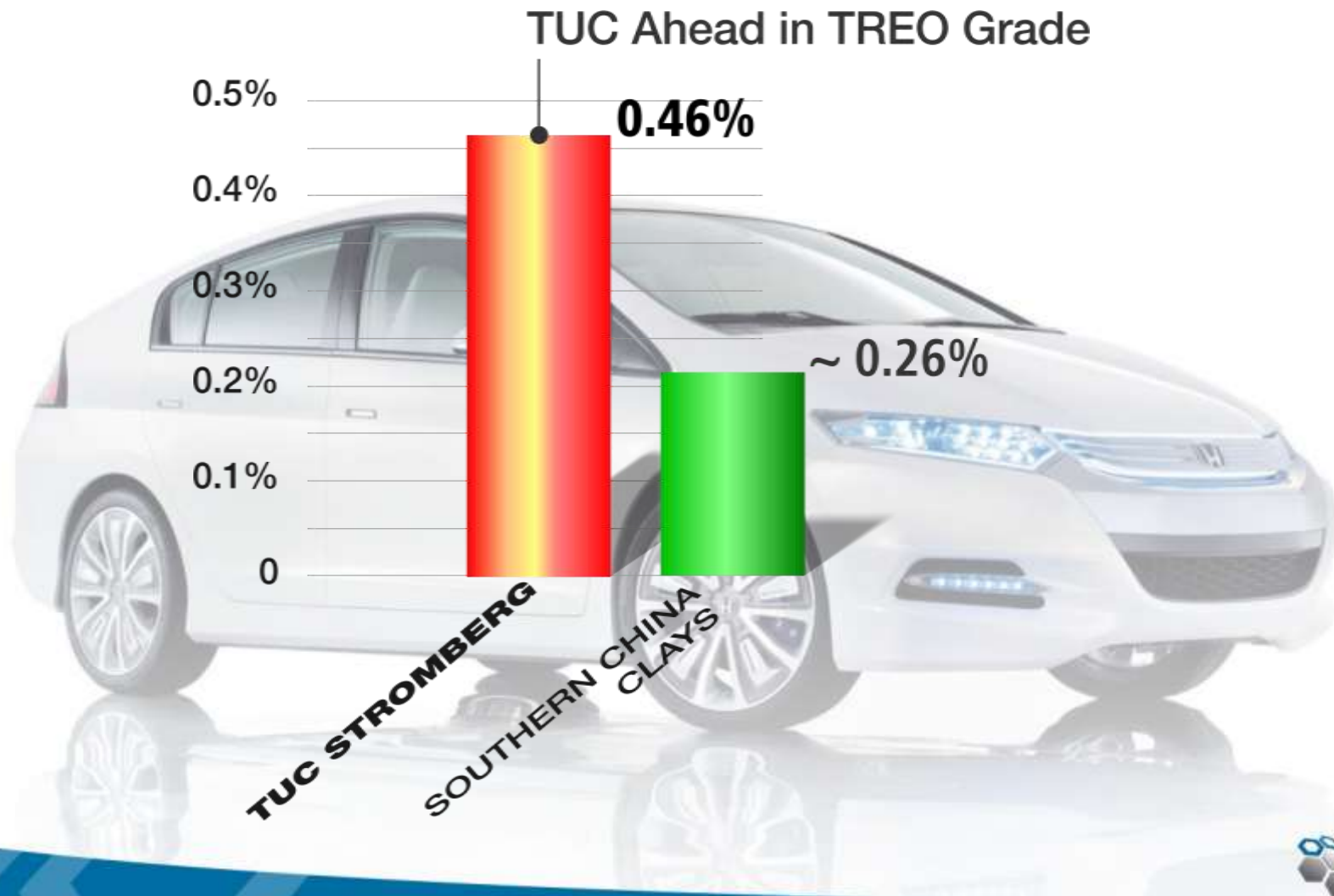
Higher priced critical metals

Demand is underpinned by world government clean energy initiatives....eg. Carbon Tax



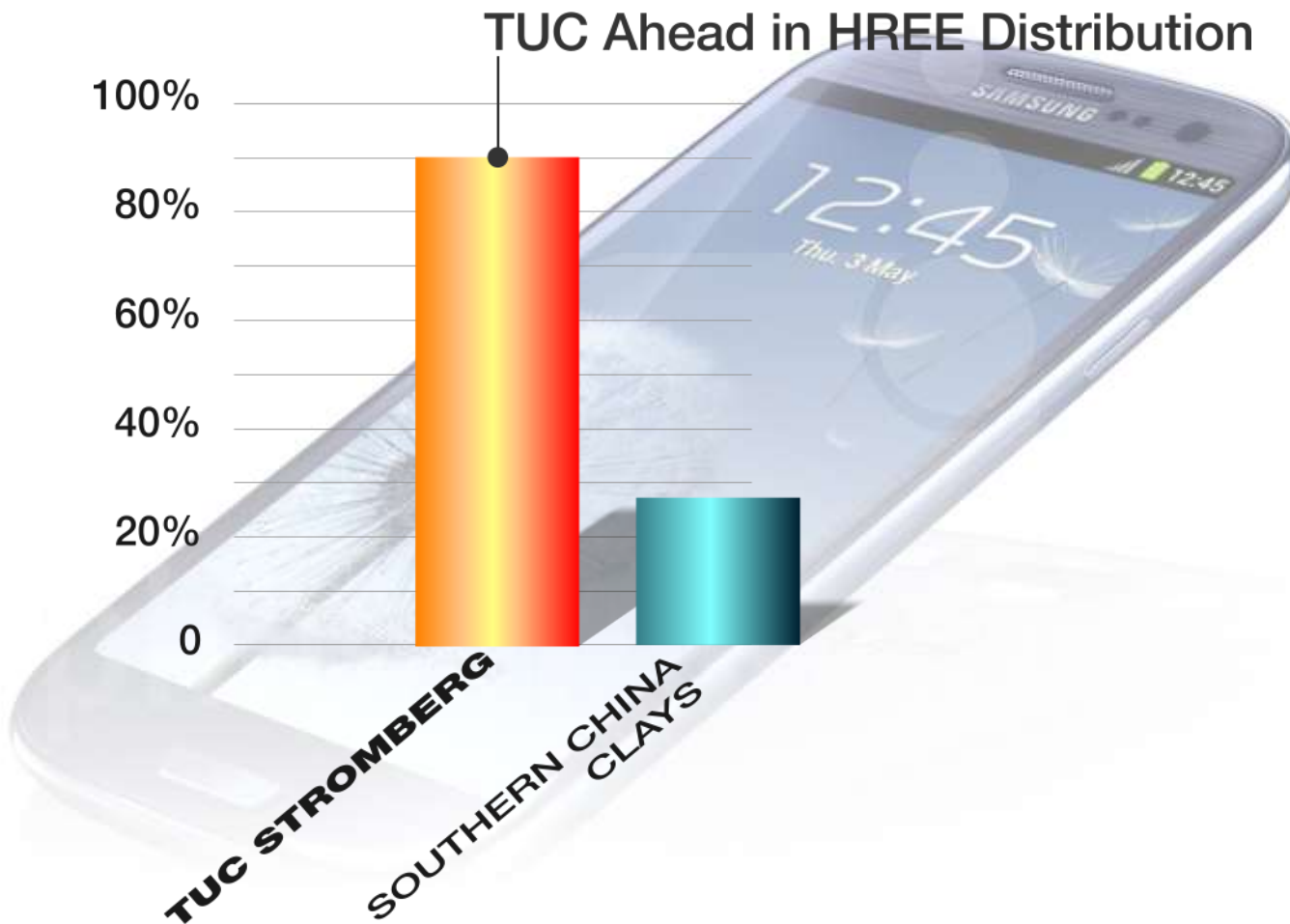
Stromberg Deposit

Comparison by Similar Geological Processes



Stromberg Deposit

Comparison by Similar Geological Processes



A photograph of a drilling site. In the foreground, a large, dark, cylindrical rock core sample lies on a white surface, with some smaller rock fragments scattered nearby. To the left, there is a metal tray with several small containers. In the background, a drilling rig is visible, along with several workers in hard hats and safety gear. A white pickup truck is parked to the right. The sky is blue with some clouds.

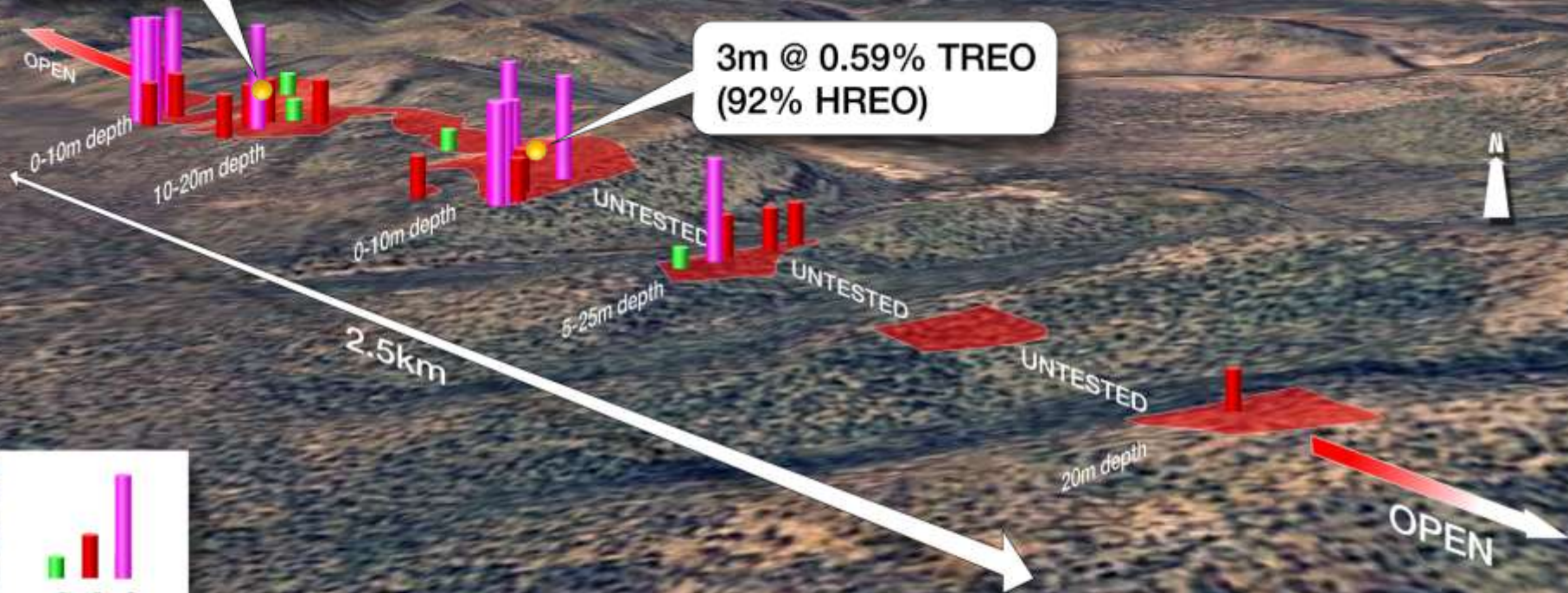
Recent drilling results increase potential

Clear Potential from Exploration Drilling

Recent drilling returns highest grades to date

4.2m @ 0.93% TREO
(92% HREO)

3m @ 0.59% TREO
(92% HREO)

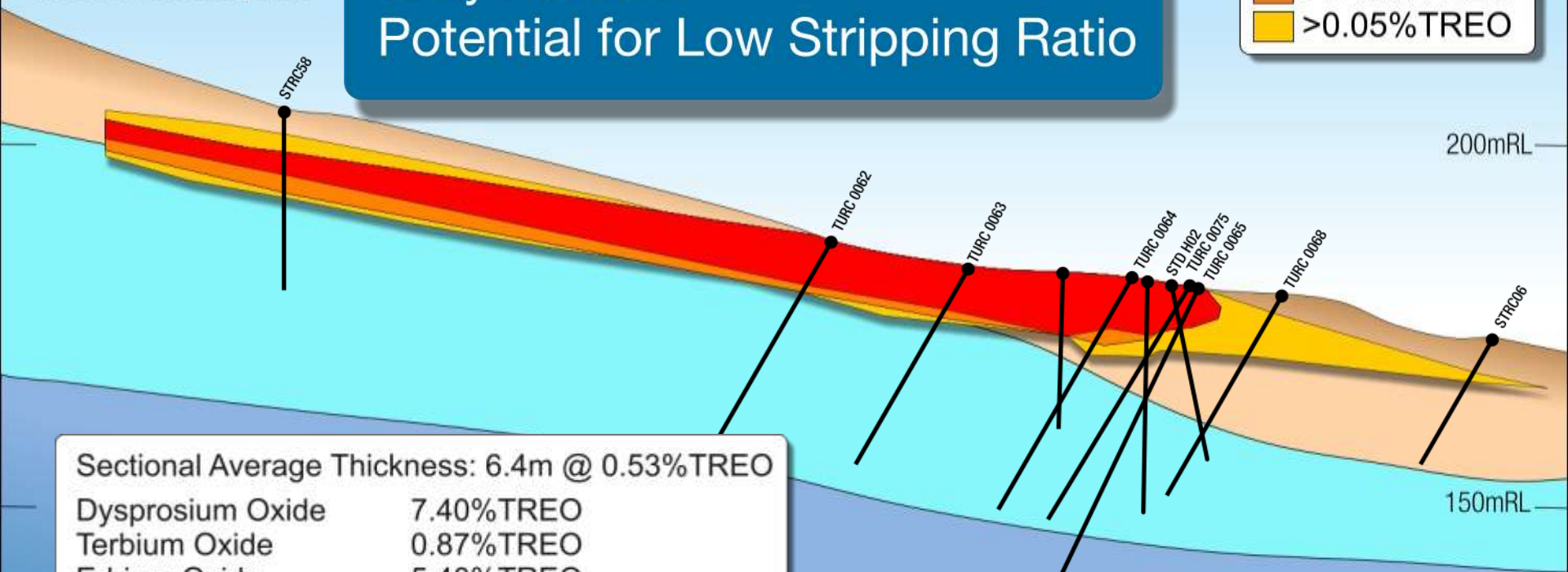


Stromberg major stepouts substantially extend mineral inventory

At Surface Tabular Bodies
Easy Access
Potential for Low Stripping Ratio



section looking NW



Sectional Average Thickness: 6.4m @ 0.53% TREO

Dysprosium Oxide	7.40% TREO
Terbium Oxide	0.87% TREO
Erbium Oxide	5.40% TREO
Yttrium Oxide	70% TREO
Thorium	2ppm

3800mE



3900mE

Access Agreed - Major HREE District

Stromberg

Scaramanga

Skyfall Prospect

Major untested radiometric anomaly
Most prospective district target
Access agreed Sep 2012

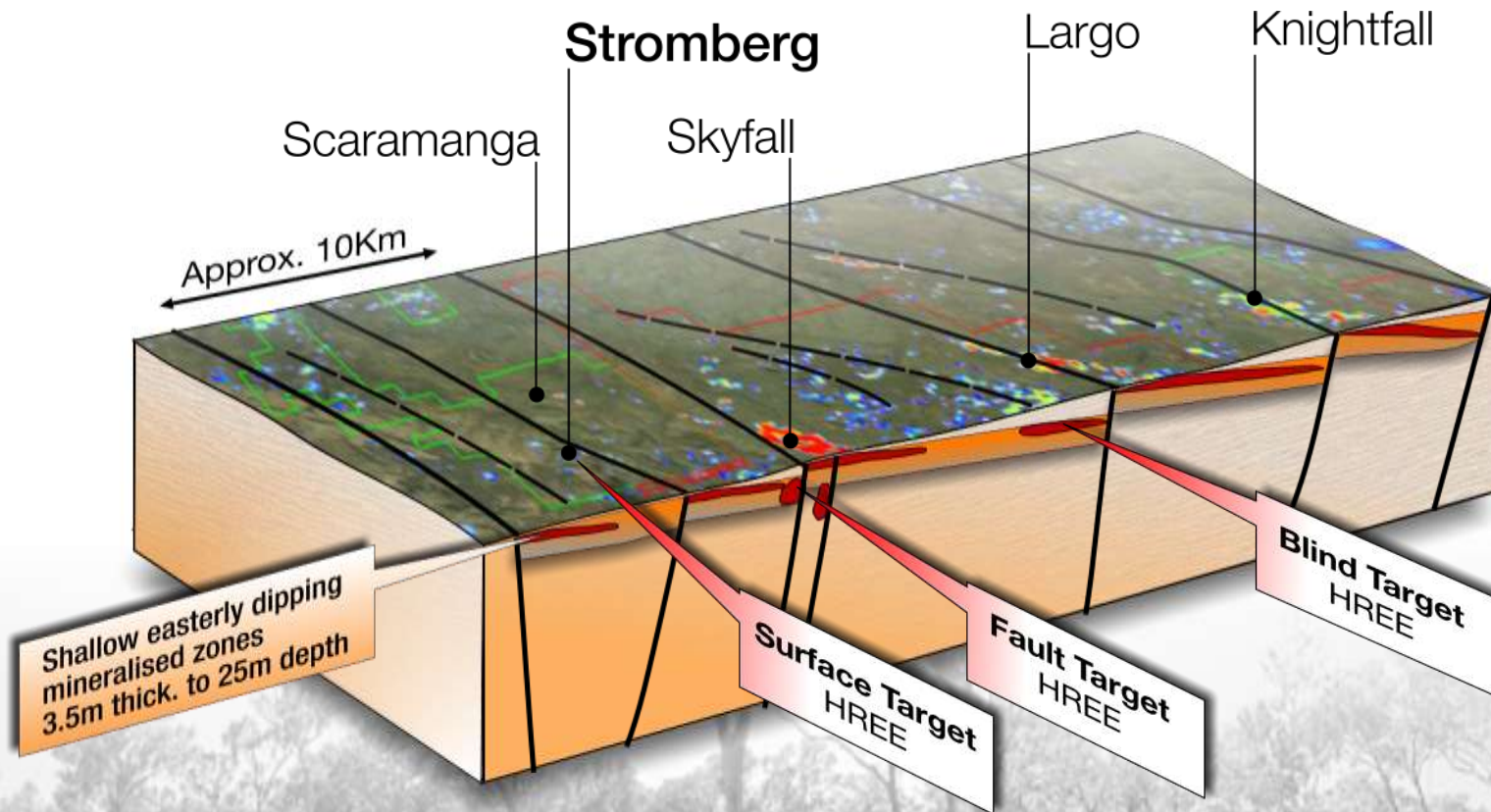
Largo Prospect

Large untested radiometric anomaly
Access agreed Sep 2012

Regional Conceptual Model

High Discovery Potential

Rock Types, Faults and Mineralised Systems Repeat



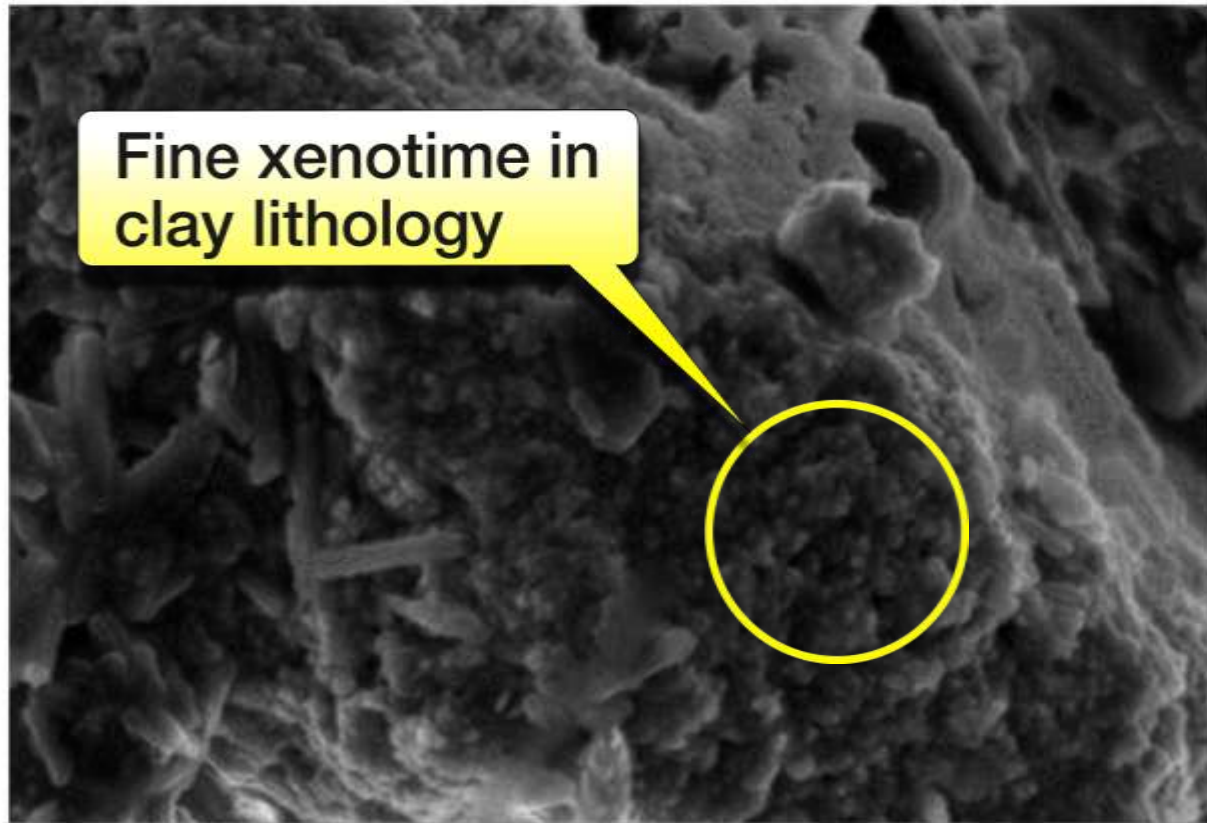
Processing Cost Advantages



Xenotime Mineralogy Competitive Advantage

Efficient leach of raw material

- Amenable to direct acid leach into solution
- Up to 85% recovery



HREE in Clay

Drillhole STDH03



STDH03
4.2m @ 0.93% TREO
from 3.8m (92.4% HREO)

Clay at Stromberg formed by similar geological processes as Southern China Rare Earth Deposits.

MOU Signed Stromberg HREE District



Shandong is one of four special Rare Earth Development Zones in China

+ \$21M of Exploration funding planned in coming years for 50% of HREE District

Facility for partner to develop the best project

TUC could dilute to 25%



*Subject to normal FIRB process



MOU Signed Stromberg HREE District

Major Benefits to TUC

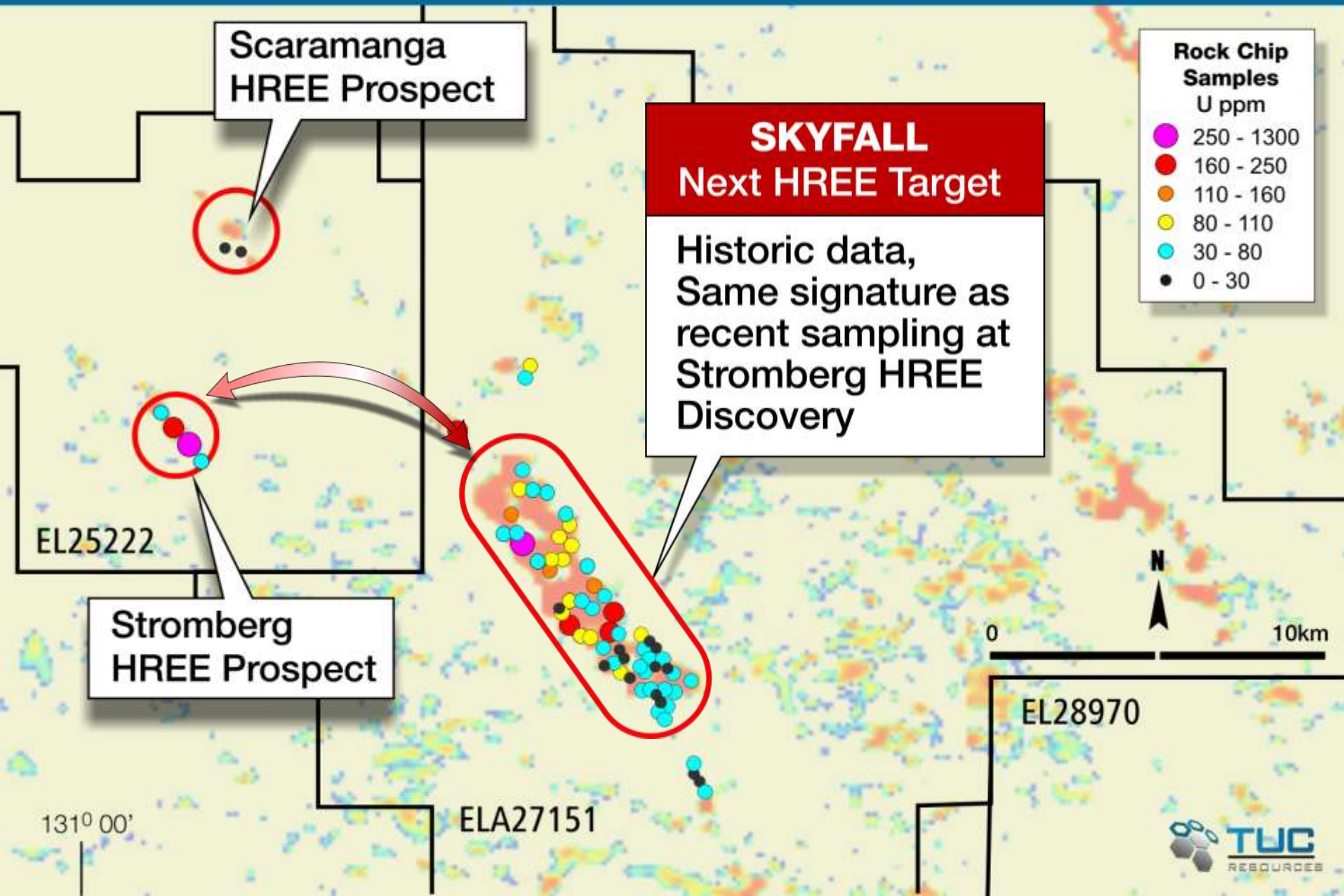


Path to
Market

Access to
Processing
Technology

Development
Funding

SKYFALL Uranium data is strong indicator of HREE prospectivity



District Exploration in Progress Now





Potential for
Shorter Development Time

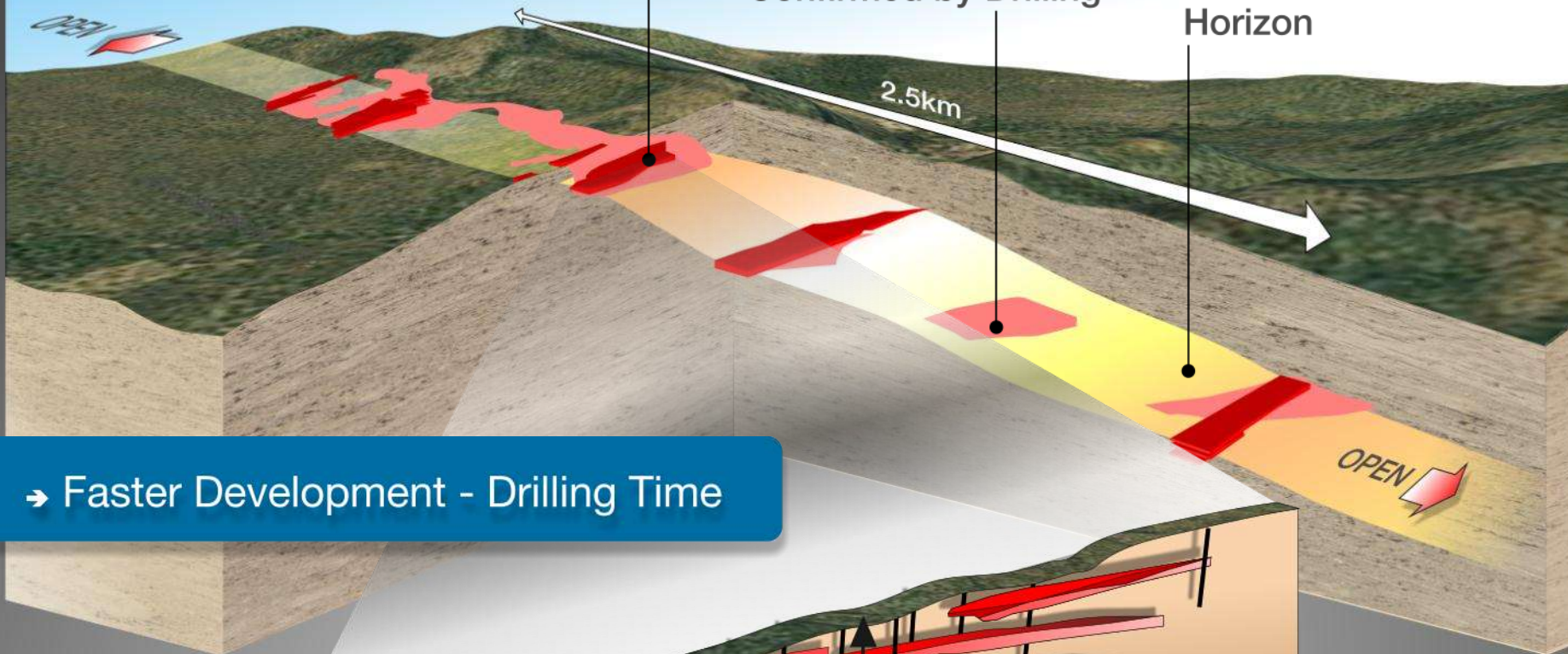
Conceptual Regional Model

not to scale

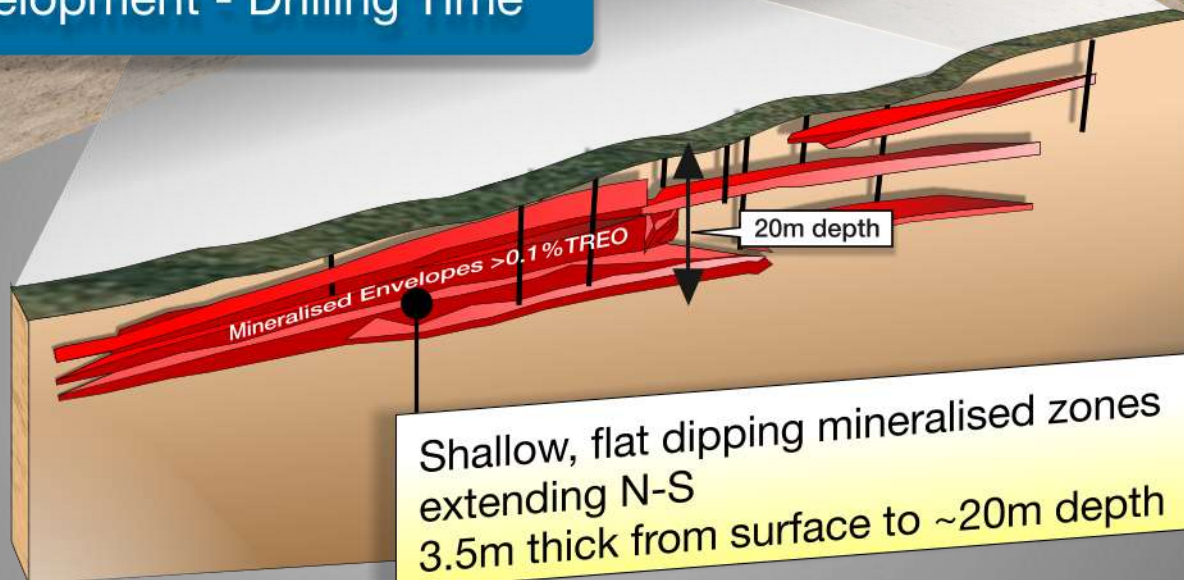
Drilled Mineralised Sections

Mineralised zone
Confirmed by Drilling

Interpreted
Mineralisation
Horizon



→ Faster Development - Drilling Time



Stromberg Project

Small initial modular plant concept

Smaller startup Capex anticipated

12-30tph capacity

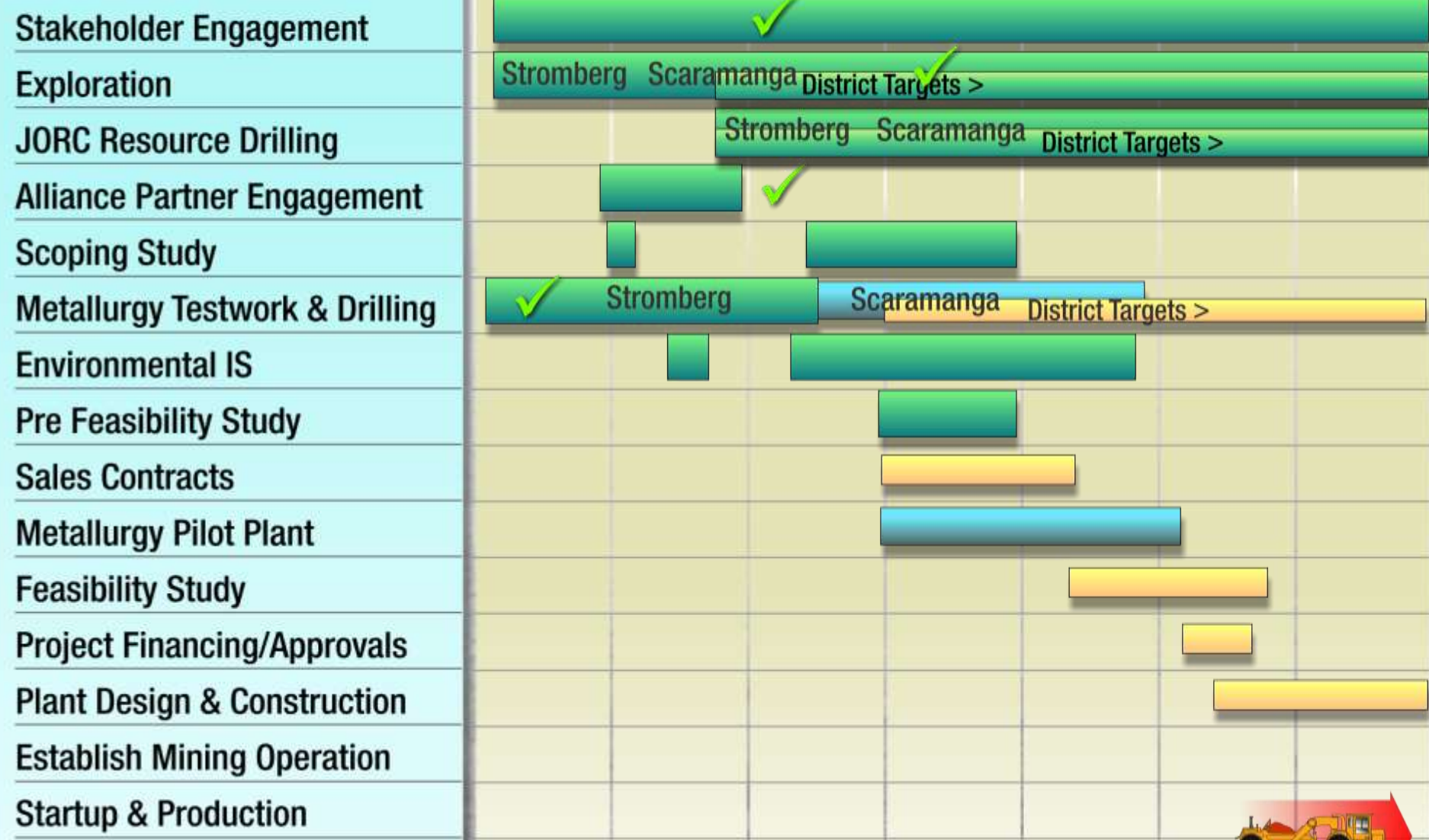


Source: Bateman Engineering

Planned Stromberg Development Opportunities

+ Certainty Certainty -

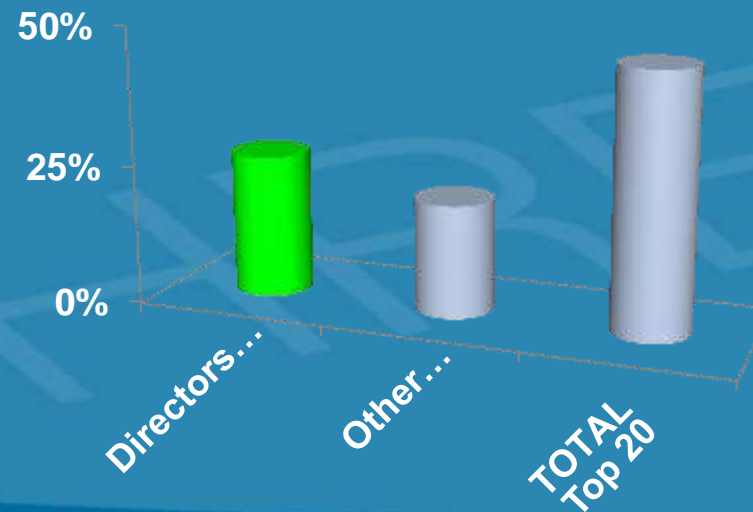
2011 2012 2013



Value Proposition

- Correct HREE Market Space
- Large Exploration Upside Unlocked
- Apparent Cost Advantages
- Strategic Alliance - Technology - Path to Market - Development Opportunity
- Aggressive Program Planned for 2013 and Beyond
- Potential for Shorter Development Time

Shares	125 million	A\$0.12
Options	2 free for 5 Shares	A\$0.20 Ex. Price
Market Cap		\$A15 million
Shareholders		+1200
Funds	MOU Signed	+A\$21 million
Register		



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Competent Person

The information in this report that relates to Exploration Results is based on information compiled by Ian Bamborough, who is a Member of The Australian Institute of Geoscientists. Ian Bamborough is a fulltime employee of TUC Resources Ltd. Ian Bamborough has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration 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'. Ian Bamborough consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Ian Bamborough

Managing Director

ibamborough@tucresources.com.au

Phone: +61 (0)8 9325 7946

Main Office

Lvl 10, 553 Hay Street,

PERTH WA 6000

www.tucresources.com.au

ASX:TUC

ABN 94 115 770 226

