



Resourcing a  
renewable  
future...

Corporate Presentation | August 2016



# IMPORTANT NOTICES

## CAUTIONARY STATEMENT

The Scoping Study referred to in this presentation is based on low-level technical and economic assessments, and is insufficient to support estimation of Ore Reserves or to provide assurance of an economic development case at this stage, or to provide certainty that the conclusions of Scoping Study will be realised.

## COMPETENT PERSON STATEMENT

The information in this presentation that relates to Mineral Resources and Exploration Targets is based on information compiled by Mr Anthony Johnston, BSc (Hons), who is a Member of the Australian Institute of Mining and Metallurgy and is a full time employee of the Company. Mr Johnston has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 & 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves.' Mr Johnston consents to the inclusion in the announcement of the matters based on his information in the form and context that the information appears.

The information in this presentation that relates to Mineral Resources and Exploration Targets for the Copi North HMS Deposit is based on information presented in ASX Announcement, 'Copi North HMS Resource Upgrade' released to the market on 27th May 2016. The Competent Person for the report was Mr David Biggs, Resource Geologist for GEOS Mining, located in Sydney NSW. The entity confirms in the subsequent public report that it is not aware of any new information or data that materially affects the information included in the relevant market announcement and, in the case of estimates of mineral resources or ore reserves, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.

The information in this presentation that relates to Mineral Resources for the Magic HMS Deposit is based on information compiled by Mr. Greg Jones who is a Member of the Australasian Institute of Mining and Metallurgy. Mr Jones is the Principal for GNJ Consulting and was retained by Broken Hill Prospecting Limited to conduct Mineral Resource estimation for the Magic deposit. Mr Jones has sufficient experience that is relevant to the style of mineralisation and type of deposits under consideration and to the activity, which he is undertaking to qualify as Competent Person as defined in the JORC Code 2012. Mr Jones consents to the inclusion in this presentation of the matters based on his information in the form and context in which it appears.

## DISCLAIMER

This presentation contains forward-looking statements that involve subjective judgement and analysis and accordingly, are subject to significant uncertainties and risks, many of which are outside the control of, and are unknown to, Broken Hill Prospecting Pty Ltd ("BPL"). In such circumstances, the forward-looking statements can be identified by the use of forward-looking words such as "may", "will", "expect", "intend", "seek", "estimate", "believe", "continue" or other similar words.

No representation, warranty or assurance is given or made in relation to any forward-looking statement by BPL or its representatives. In addition, no representation, warranty or assurance is given in relation to any underlying assumption or that any forward-looking statements will be achieved. Actual future events may vary materially from the forward-looking statements and the assumptions on which the forward-looking statements are based. Accordingly, presentation readers are cautioned not to place undue reliance on such forward-looking statements as a result of the uncertainties.

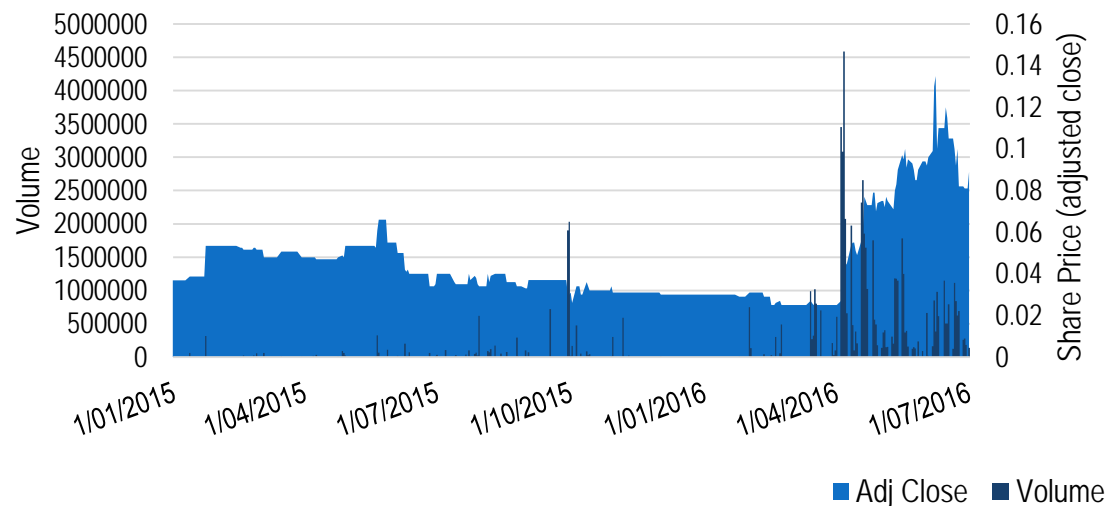
In particular, BPL wishes to caution readers that these forward-looking statements are based on economic predictions and assumptions on reserves, mining method, production rates, metal prices and costs (both capital and operating) developed by BPL management in conjunction with consultants.

This presentation and the forward-looking statements made in this presentation, speak only as of the date of the presentation. Accordingly, subject to any continuing obligations under the Corporations Act and the Australian Stock Exchange Listing Rules, BPL disclaims any obligation or undertaking to publicly update or revise any of the forward-looking statements in this presentation, whether as a result of new information, or any change in events, conditions or circumstances on which such statements is based.

# CORPORATE SNAPSHOT

Broken Hill Prospecting Limited ASX Code: 'BPL'

Ordinary Shares on Issue (2/8/16)	136m	
Options: Listed	53m	
Market Cap (undiluted at 8cps)	\$11m	
Cash position	\$2.3m	
<b>Shareholders</b>	<b>Shares (M)</b>	<b>%</b>
Hill Family Group	47.2	34.5%
Far East Capital	6.7	4.9%
Top Twenty	73.7	53.9%
Total shareholders		841



## Board of Directors & Management

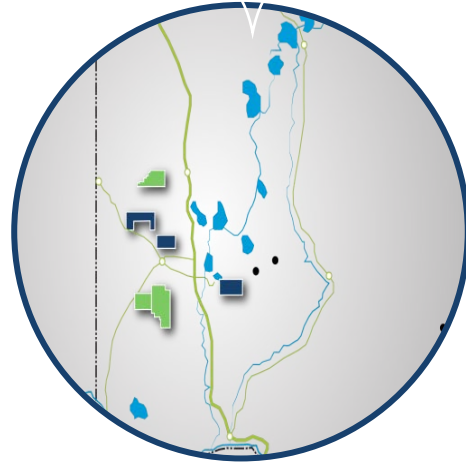
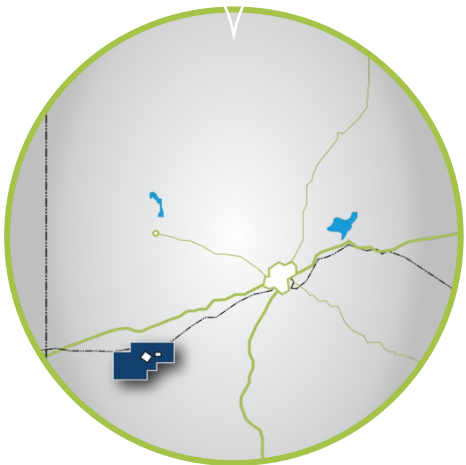
Creagh O'Connor	Non Executive Chairman
Geoff Hill	Non Executive Director
Matt Hill	Non Executive Director
Denis Geldard	Non Executive Director
Trangie Johnston	Chief Executive Officer
Donald De Boer	Company Secretary

**Focused on the discovery & development of strategic technology mineral resources**

- 1. Cobalt**
- 2. Heavy Mineral Sands**

# ASSET OVERVIEW

- + Focussed on the development of strategic technology mineral resources:
  - + Thackaringa Cobalt Project
  - + Heavy Mineral Sands Project
- + Stable jurisdiction with supportive local communities
- + Established infrastructure



Resourcing a  
renewable future...



# COBALT, RESOURCING THE FUTURE...



Cobalt has been used for centuries as a pigment for bright blue colouring



Cobalt is a principle component of vitamin B12, essential for blood and brain.

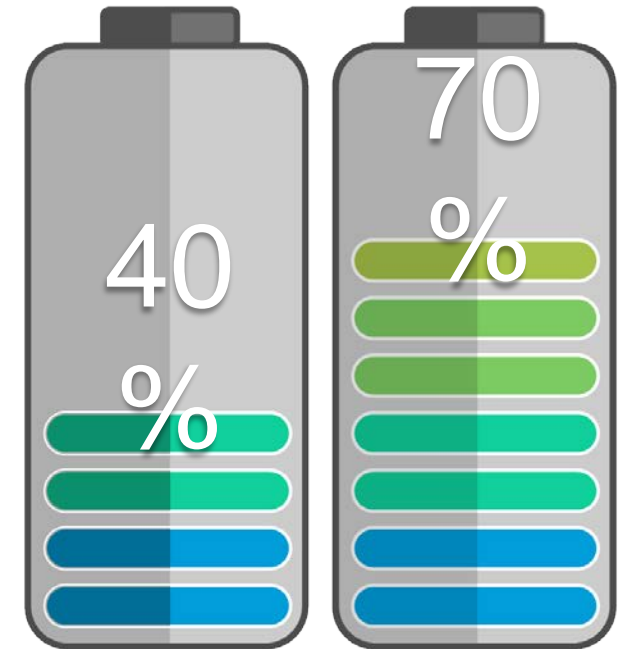
Cobalt is used extensively in super alloys and high pressure and temperature resistant metals for use in applications such as in energy turbines, jet motors, military hardware, aircraft and space craft.



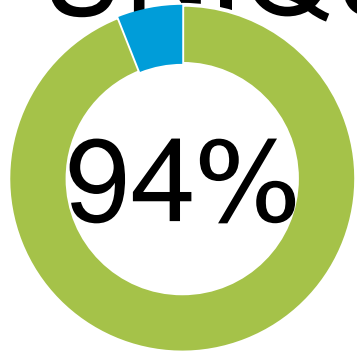
Cobalt is a major component in many new rechargeable batteries (electric cars, mobile phones, laptop computers). Many lithium-ion batteries contain up to 60% cobalt (cathode mass)



The battery industry uses about 40% of global cobalt and this could increase to 70% in 10 years



# WHY ARE OUR COBALT DEPOSITS SO UNIQUE?



of the world's cobalt production is a by-product of copper & nickel mining

40%

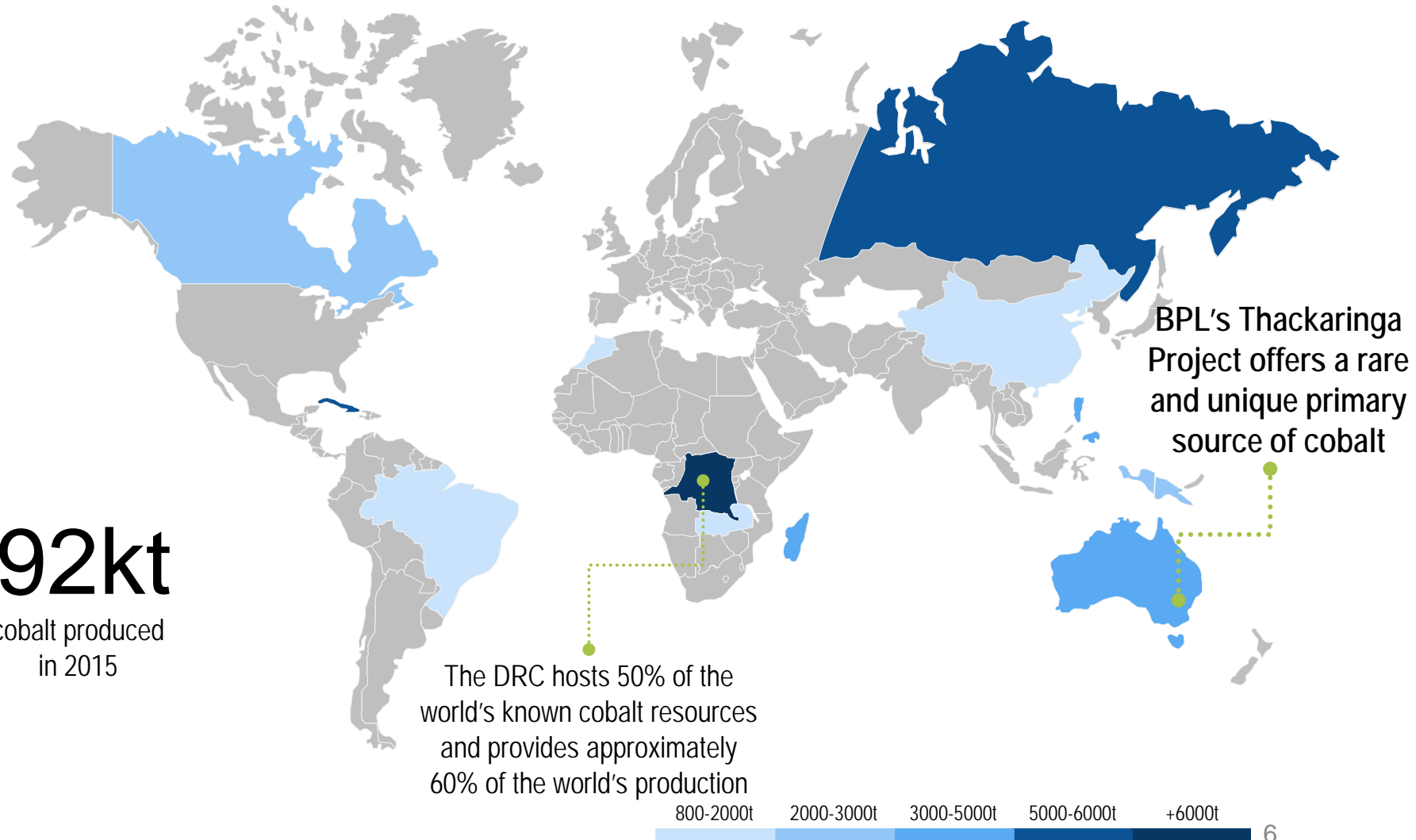
of the world's cobalt is refined in China

80%

consumed by the USA, Japan, China and the EU

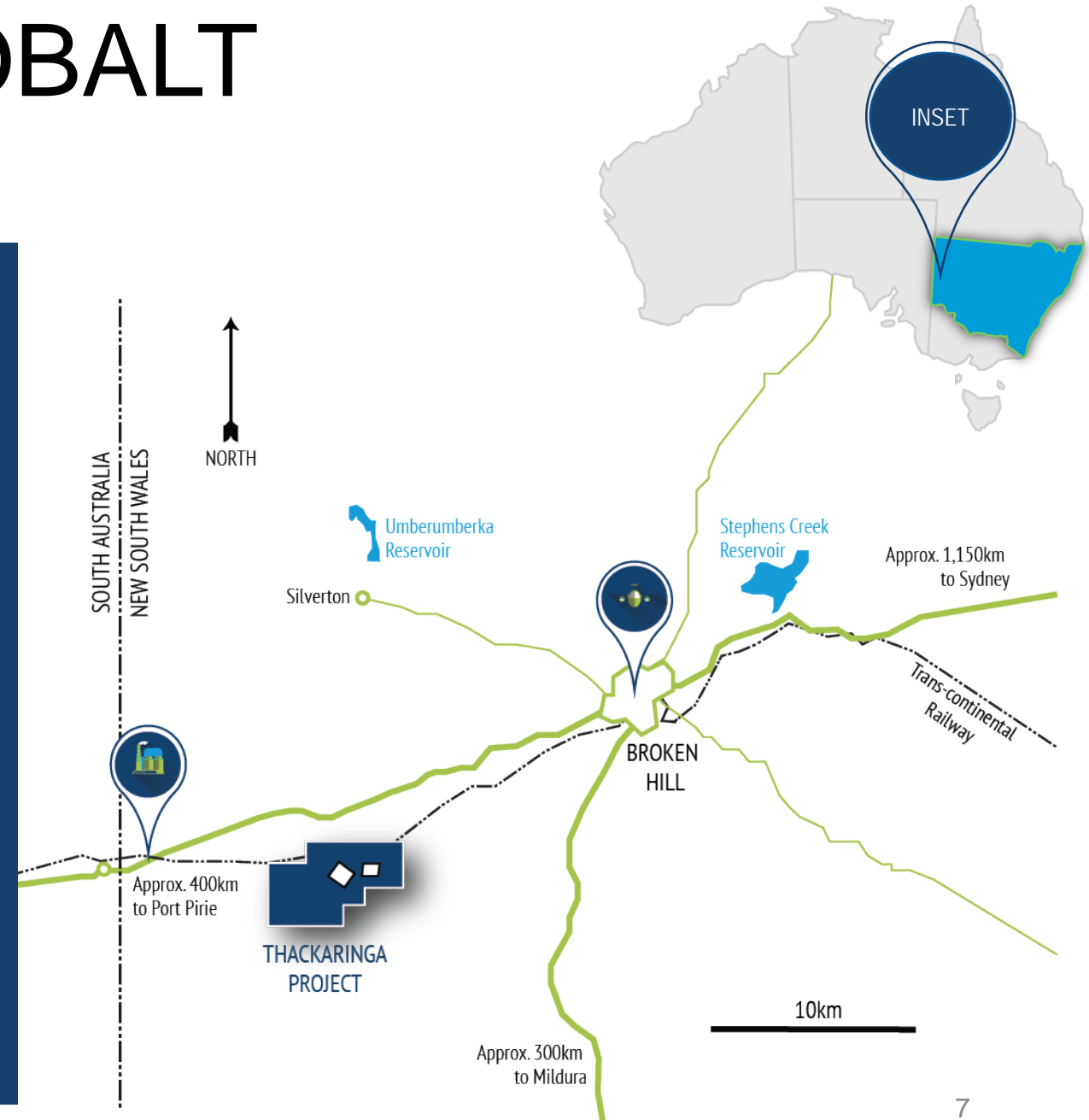
92kt

cobalt produced in 2015

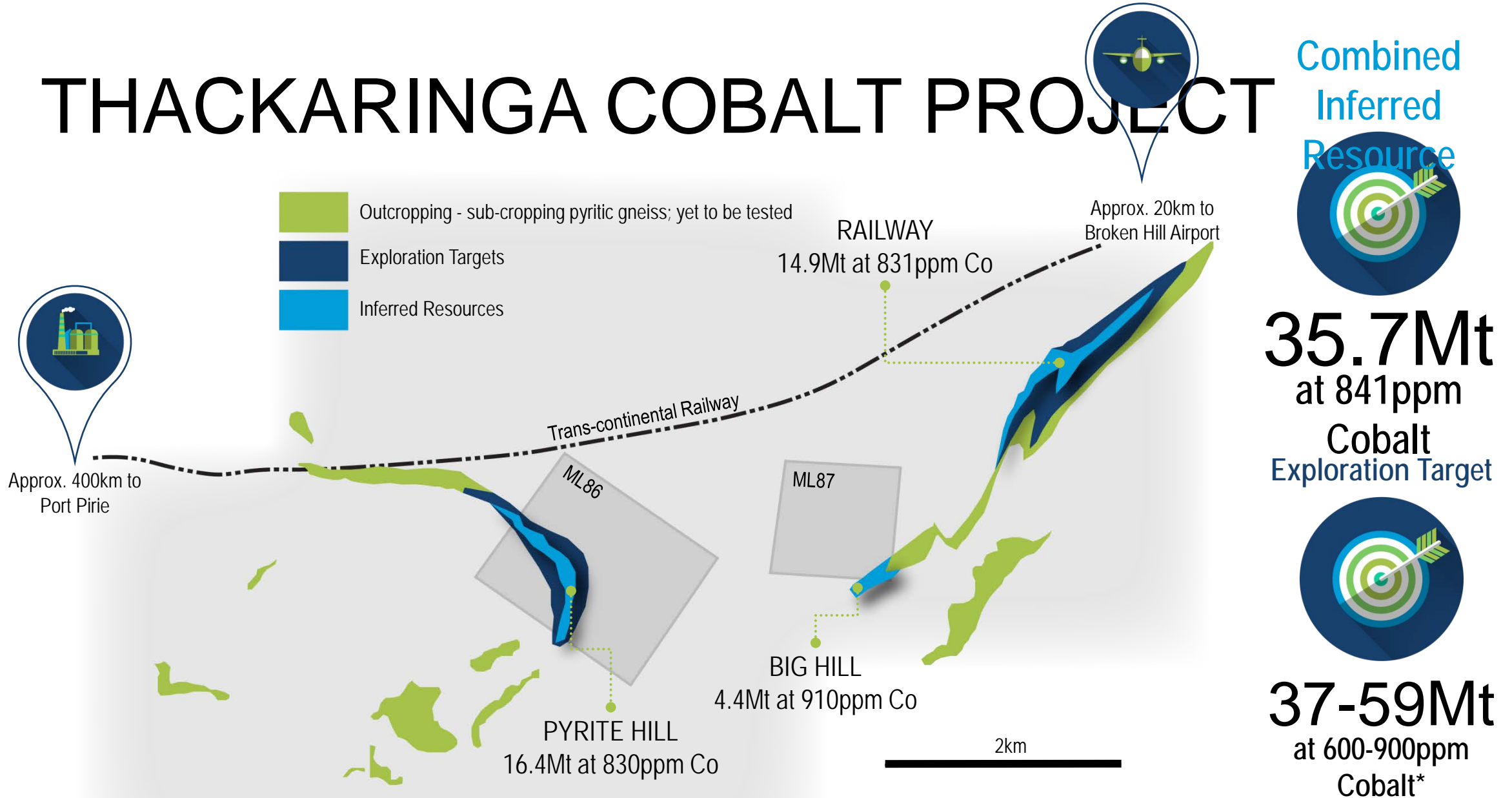


# THACKARINGA COBALT PROJECT

- + 100% ownership of world-class cobalt-pyrite resources
- + Established infrastructure - located adjacent main railway & highway just 25km southwest of Broken Hill
- + Mineralised outcrop extends for 10km+ with less than 25% drill tested to date
- + Potential By-Products:
  - + Sulphuric Acid
  - + Hematite
  - + Feldspar
  - + Energy (exothermic)



# THACKARINGA COBALT PROJECT



\*The potential quantity and grade of these targets is conceptual in nature. There has been insufficient exploration to define a Mineral Resource and it is uncertain if further exploration will result in determination of a Mineral Resource.



# HEAVY MINERAL SANDS (HMS) DEMAND



Titanium metal is used for many medical and dental applications.



Titanium dioxide pigment used in a range of paint applications as well as paper, plastics and inks.

Titanium metal is used for a wide range of applications, from sporting equipment to the aeronautical industry.

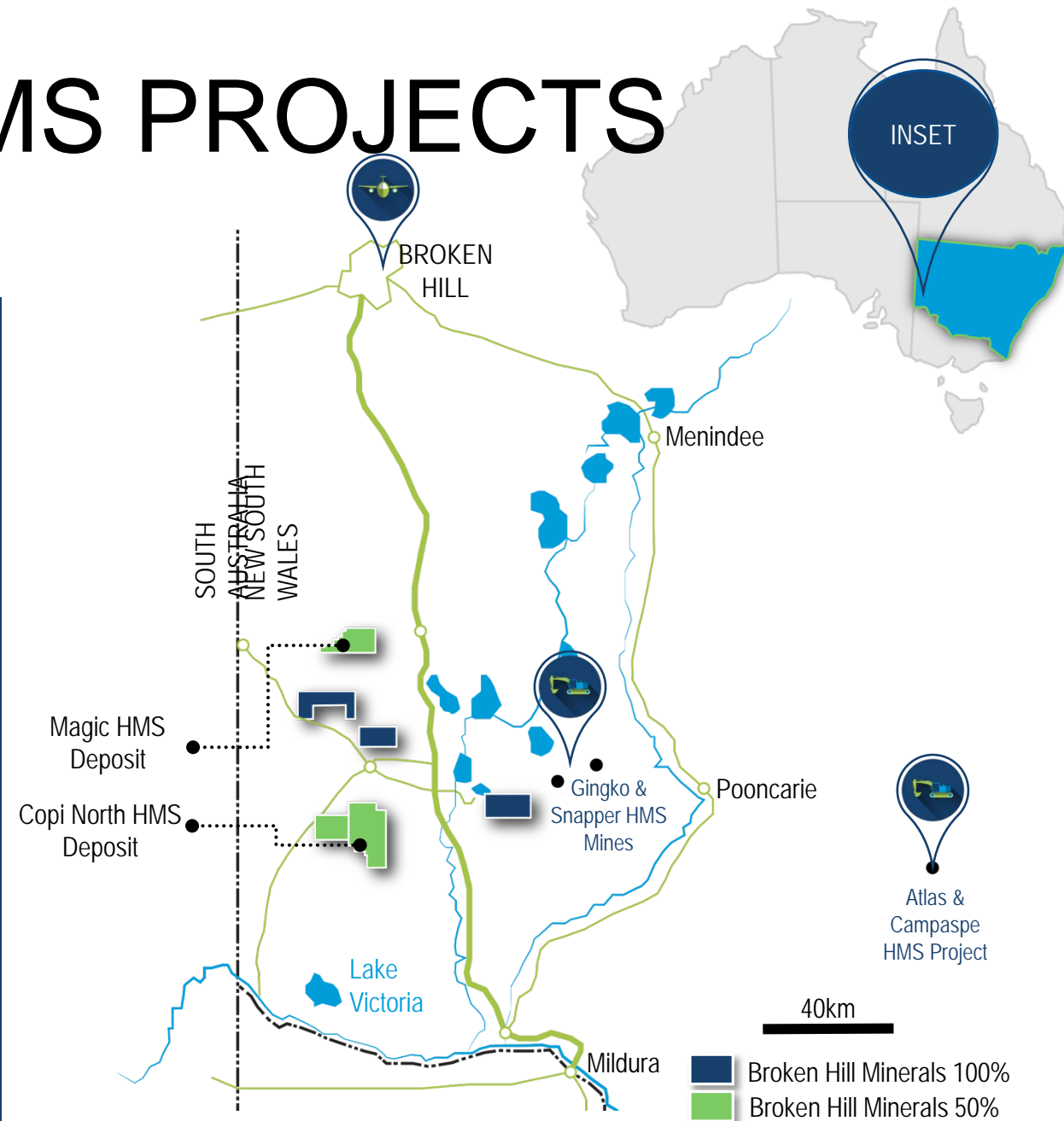


Zircon is a key component of fibre optics.



# MURRAY BASIN, HMS PROJECTS

- + BPL have established a significant portfolio of HMS projects across the Murray Basin
- + Copi North and Magic resources are shallow high-grade strandline deposits that remain open along strike
- + Relentless Resources (RRL) have a 50% interest in HMS Projects (Copi North, Magic & Sunshine)
- + Targets: Historical data compilation has identified 18 HMS strandline deposit targets across the portfolio



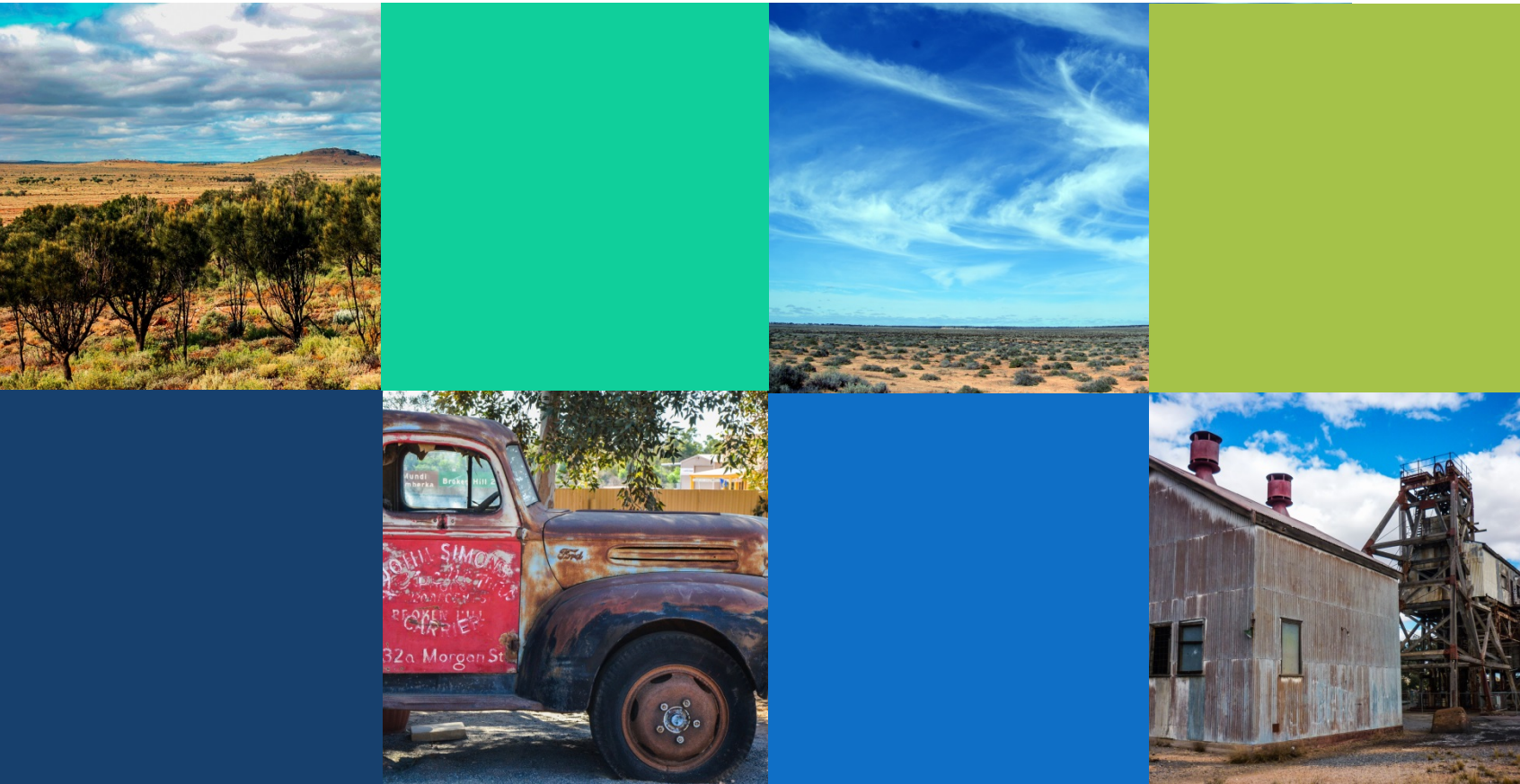
# HMS PROJECT PIPELINE

- + Copi North Heavy Mineral Sands (HMS) deposit
  - ✓ 2016 Resource Upgrade
  - ✓ 2016 Scoping Study – positive results
  - ✓ PFS Commenced
- + Magic HMS deposit
  - ✓ 2015 Resource
- + 'Pipeline' approach for development of high-grade HMS deposits using a modular, portable, mobile plant (MMU)





# CONTACT US



**Broken Hill**  
PROSPECTING

TRANGIE JOHNSTON  
Chief Executive Officer

+61 2 9252 5300

[info@bhpl.biz](mailto:info@bhpl.biz)

[www.bhpl.biz](http://www.bhpl.biz)



# THACKARINGA RESOURCES

RESOURCE CATEGORY	TONNES	GRADE		CONTAINED METAL
	(millions)	Co (ppm)	Co (lb/t)	Co (Mlbs)
<b>RAILWAY DEPOSIT</b>	Cut-off Grade 500ppm Co (As released 27 July 2012 under JORC 2004)			
Inferred	14.9	831	1.83	27
Total	14.9	831	1.83	27
<b>PYRITE HILL DEPOSIT</b>	Cut-off Grade 500ppm Co (As released 14 November 2011 under JORC 2004)			
Inferred	16.4	830	1.83	30
Total	16.4	830	1.83	30
<b>BIG HILL DEPOSIT</b>	Cut-off Grade 500ppm Co (As released 12 November 2010 under JORC 2004)			
Inferred	4.4	910	2.00	9
Total	4.4	910	2.00	9
<b>GRAND TOTAL</b>	<b>35.7</b>	<b>841</b>	<b>1.85</b>	<b>66</b>

# HMS RESOURCES

RESOURCE CATEGORY	TONNES (millions)	THM (%)	Density (g/cm³)	Slimes <53um (%)	Oversize >1mm (%)		
COPI NORTH DEPOSIT	Cut-off Grade 2.5% Total Heavy Mineral (THM) (As released 27 May 2016 under JORC 2012)						
Indicated	11	6.3	1.82	2.7	2.4		
Inferred	3.2	6.8	1.83	2.8	1.6		
Total	14.2	6.6	1.83	2.8	2.0		
TONNES (millions)	THM (%)	Ilmenite (%)	Rutile (%)	Zircon (%)	Monazite (%)	Leucoxene (%)	Other HM (%)
14.2	6.6	54.4	10.8	11.3	1	10	12.6
RESOURCE CATEGORY	TONNES (millions)	THM (%)	Density (g/cm³)	Slimes <53um (%)	Oversize >1mm (%)		
MAGIC DEPOSIT	Cut-off Grade 2% Total Heavy Mineral (THM) (As released 10 September 2015 under JORC 2012)						
Inferred	15	3.7		4	1		
Total	15	3.7		4	1		
TONNES (millions)	THM (%)	Ilmenite (%)	Rutile (%)	Zircon (%)	Monazite (%)	Leucoxene (%)	Other HM (%)
15	3.7	62	6	14		10	8

# QUALIFICATIONS

SLIDE 8: The global conceptual exploration target of 37-59Mt at 600-900ppm cobalt is as released on 27 July 2012 under JORC 2004 and comprises the following:

- Railway Deposit Conceptual Exploration Target
  - 23Mt - 35Mt at 600ppm - 900ppm Co (as released 27 July 2012)
- Pyrite Hill Deposit Conceptual Exploration Target
  - 14Mt - 24Mt at 700ppm - 900ppm Co (as released 14 November 2011)

The potential quantity and grade of these targets is conceptual in nature. There has been insufficient exploration to define a Mineral Resource and it is uncertain if further exploration will result in determination of a Mineral Resource.

The Inferred Resource estimates are as released under JORC 2004, comprising the following (please refer to slide 13 for a full statement of the mentioned resource estimates):

- Railway Deposit
  - 14.9Mt at 1.83lb/t (831ppm) (at a 500ppm Co cut-off and as released 27 July 2012 under JORC 2004)
- Pyrite Hill Deposit
  - 16.4Mt at 1.83lb/t (830ppm) (at a 500ppm Co cut-off and as released 14 November 2011 under JORC 2004)
- Big Hill Deposit
  - 4.4Mt at 2.00lb/t (910ppm) (at a 500ppm Co cut-off and as released 12 November 2010 under JORC 2004)

The entity confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcement and, in the case of estimates of mineral resources, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.