



Initial Public Offering

**Tectonic Gold PLC**  
**(TTAU)**

and  
Admission to Trading





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## Competent Persons

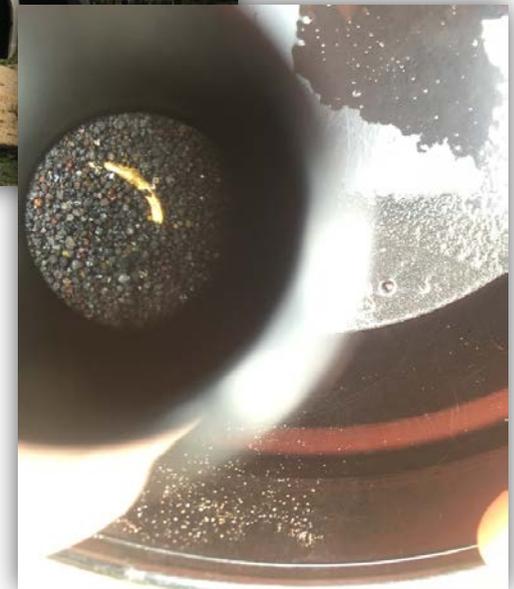
Mr Jonathan Robberson – BSc (Hons1), MEconGeol, MMinEng (CP Geo), is a full time employee Signature Gold Limited and is a registered Chartered Professional (Geology) with the Australian Institute of Mining and Metallurgy (AusIMM – 304542). Mr Robberson has sufficient experience that is relevant to the style of mineralisation and type of deposits under consideration and the activity being undertaken to qualify as a Competent Person as defined in the Note for Mining Oil & Gas Companies, June 2009, of the London Stock Exchange and the 2012 Edition of the 'Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (JORC Code). Mr Robberson consents to the inclusion in the release of the matters based on his information in the form and context in which it appears.

Mr Barry Willott - BSc (Hons) is a full time employee Signature Gold Limited and is a member of the Australian Institute of Mining and Metallurgy (AusIMM – 108234) and the Australian Institute of Geoscientists (AIG – 2652). Mr Willott has sufficient experience that is relevant to the style of mineralisation and type of deposits under consideration and the activity being undertaken to qualify as a Competent Person as defined in the Note for Mining Oil & Gas Companies, June 2009, of the London Stock Exchange and the 2012 Edition of the 'Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (JORC Code). Mr Robberson consents to the inclusion in the release of the matters based on his information in the form and context in which it appears.

# Australian Gold



- Intrusive Related Gold Systems (IRGS)
- Australia and Czech Republic
  - Australia: extensive exploration portfolio
    - A\$15m (£8.75m) exploration already completed
    - Discoveries made - large scale systems confirmed
    - Drilling for JORC resource definition
  - Czech Republic: 1.5Moz Au established deposit
    - Tectonic holds 10% + option to acquire
- Structure at IPO
  - 630m Shares on Issue (pre new money)
  - £12.6m market cap
  - £1.5m target raise (£1m minimum)
    - Titeline Drilling £530,000 cornerstone investor at IPO
    - Peterhouse placement ~£500,000



Discovery made – IPO funds to define maiden JORC resource



# Board and Management



**Bruce Fulton**  
**Proposed Non-executive  
Chairman**

Previously Chief Geologist at Porgera (then a top five global gold producer >1Moz pa) and senior roles with Dominion Mining, Placer Dome and Plutonic. Significant Director experience across listed resources companies.



**Brett Boynton**  
**Executive Director - CEO**

Experienced Resources Investment Banker, UBS (London & New York), Credit Suisse (Sydney), FBR Capital. Track record in acquiring, staffing and funding resources projects.



**Sam Quinn**  
**Executive Director  
Company Secretary**

Corporate lawyer with over 10 years' experience in the natural resources sector, in both corporate counsel and executive management positions.



**Zeg Choudhry**  
**Non-exec Director**

Zeg has over 25 year's city sales experience with London Stock Exchange focused advisers and investment houses including Evolution Securities, Piper Jaffray and Northland Capital Partners. Zeg is currently Managing Director of The London Trading Company (LONTRAD)



**Peter Prentice**  
**Director Signature Gold Ltd**

International mining, exploration and engineering executive. Founder and MD Hargraves Resources (TSR from IPO > 10x). Founder of AgriPower Australia, private equity backed resources and agtech group.



**Anne Adaley**  
**Group CFO**

A qualified accountant with 25+ years experience in senior management roles in the resources sector including over a decade as Company Secretary for several listed public companies.

High performance team with track record of successful resource projects



# Senior Management – Technical Specialists



**Jonathan Robberson**  
**General Manager**

Project Development Specialist (Geologist and Mining Engineer) with extensive international corporate, operational and risk management experience. AICD, MAusIMM CP Geo



**Barry Willott**  
**Exploration Manager**

25+ years of professional experience as a geologist, consultant and manager operating in diverse geological environments, including deeply weathered terrains. Worked Australia wide and in central Asia. MAusIMM and AIG



**Alexander Teluk**  
**Chief Geologist**

Highly regarded geologist with 45+ years of exploration, government survey and mining experience. Extensive knowledge of Queensland geology and one of the Australian pioneers in exploration of IRGS. AIG

## Top Tier Partners



Recognised experts in Intrusive Related Gold Systems



Large scale, high-grade IRGS systems in Australia targeting >3Moz Au

10% owner + option to acquire 1.5Moz Au “*Otava Deposit*” in Czech Republic

## IRGS AUSTRALIA – QUEENSLAND

- 850km<sup>2</sup> tenement holding
- 10 gold bearing systems targeting >3Moz Au each
- >20,000m of drilling
- Discoveries made now drilling for scale
- High grade gold in a world class region
- Australian Government recognition
  - 42.5% cash rebate



## IRGS EUROPE – CZECH REPUBLIC

- 10% + Option to acquire 1.5Moz Au deposit
- Average grade 7.29g/t Au
- >50,000m of drilling completed
- Current mine design for +150,000 oz pa production
- Initial US\$250k payment for 10% equity interest
- US\$4.9m to acquire further 41% (US\$1.5m for BFS)
- Option to acquire 100%, IPO or spin out

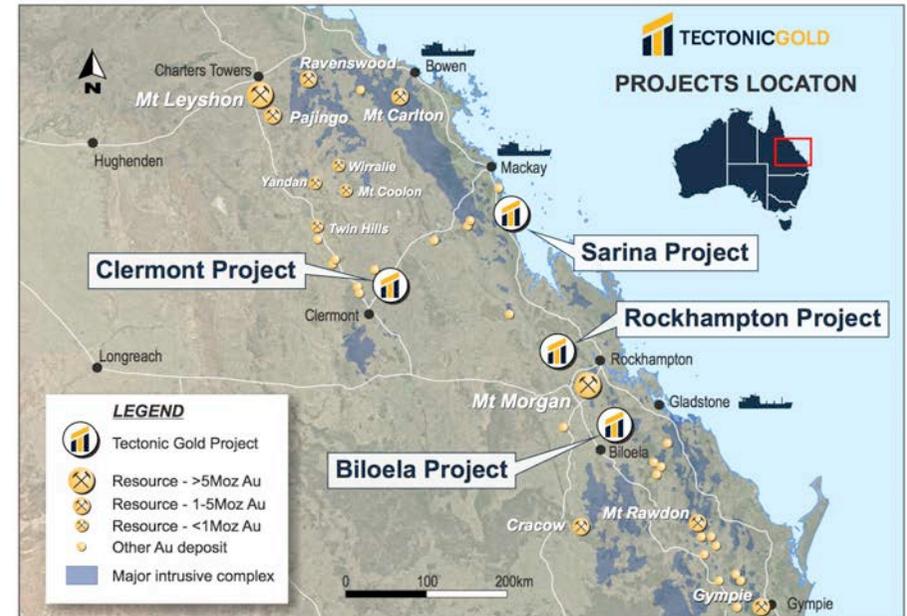


World leading IRGS exploration team with proven exploration success



# Australian IRGS Portfolio

- First mover advantage
  - 10 mineralised systems identified
  - Each with >3moz deposit potential
  - Proven gold belt with major mining neighbours
  - 850 km<sup>2</sup> IRGS secured
- Lead Project : Biloela
  - 4 discoveries in project package
  - Specimen Hill, Last Chance, Maxwellton and E.D.
  - Specimen Hill first priority
    - 55 holes into mineralisation
    - Previous production up to 40g/t Au
- Resource definition drilling – sell or JV



## Proven gold belt

- |                |           |
|----------------|-----------|
| • Mount Morgan | • 12 Moz  |
| • Ravenswood   | • 4.8 Moz |
| • Kidston      | • 5.0 Moz |

Underexplored for IRGS deposits

A\$15m (£8.8million) worth of exploration completed

# Specimen Hill

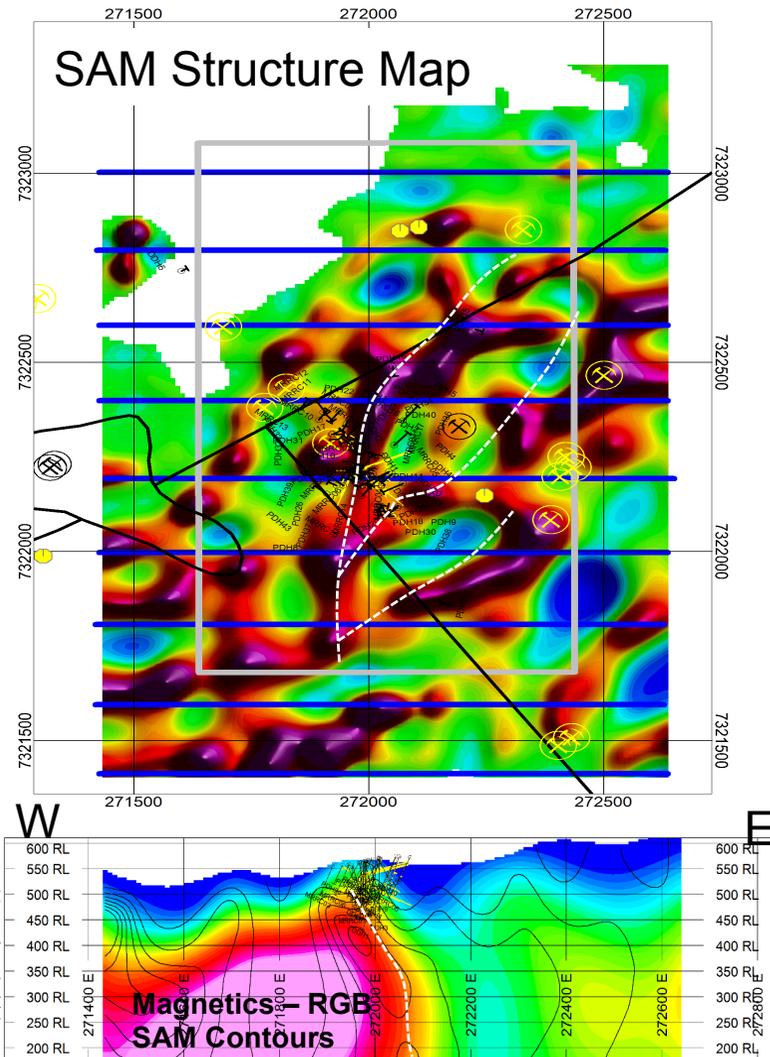


## Drill ready for JORC resource definition

- 6km<sup>2</sup> surface geochemical footprint
- Multiple porphyry and epithermal zones
- High grade epithermal with gold at surface
- 55 holes intersecting gold mineralisation
  - Over 300m strike to 125m depth
- Recently extended
  - >1500m strike & open at depth >500m via deep penetrating geophysics
- Porphyry feeders identified at 250m depth via 3D IP

## Rediscovery in prolific gold belt

- Specimen Hill proves success of Signature's methodology
- Misunderstood by previous explorers
- Intensive testing and analysis enabled re-interpretation
- Multi million ounce scale potential unlocked
- High class asset in sought after gold belt

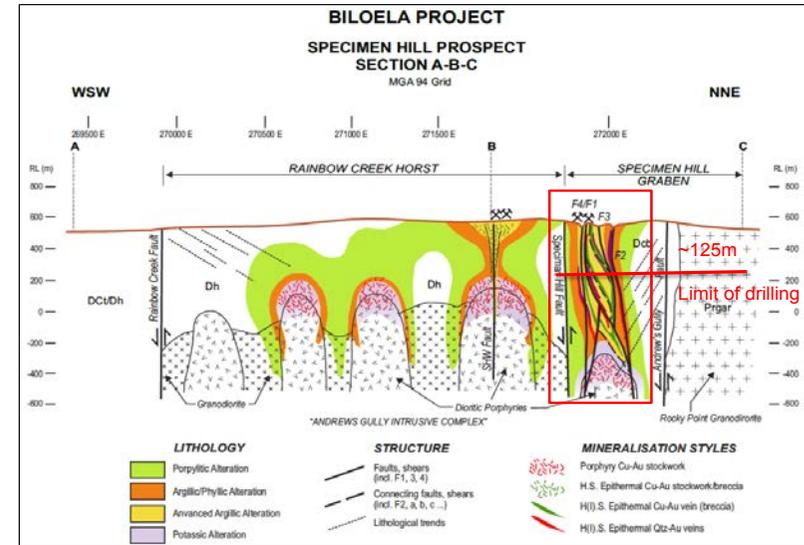


Large scale IRGS system outcropping at surface



# Specimen Hill – Ready For Extension

- Multi phase epithermal (Au-Ag-Cu)
- Gold from surface drill tested to 125m
- 55 holes intersecting mineralisation
- 1500m strike ready for extension drilling
- Open at depth 500m+
- Multi million ounce potential
- Short term open pit option
- Multiple additional targets over 6km<sup>2</sup> area



Hole ID	Type (dip)	Easting (MGA94, 55z)	Northing (MGA94, 55z)	Total Depth	From (m) -To (m)	Length (m)	Au (g/t)	Ag (g/t)	Cu (%)
PDH4	RC (-60)	272043	7322211	118	55 - 118 m	63 m	1.61 g/t	No Assay	0.04 %
					76 - 83 m	7 m	4.86 g/t	No Assay	0.06 %
PDH17	RC (-60)	271967	7322225	58	22 – 54 m	32 m	5.11 g/t	8.81 g/t	0.44 %
					22 – 32 m	10 m	14.83 g/t	24.40 g/t	1.36 %
PDH30	RC (-90)	271976	7322227	62	32 – 46 m	16 m	2.01 g/t	17.75 g/t	0.56 %
					32 – 38 m	6 m	4.48 g/t	15.00 g/t	0.66 %
PDH36	RC (-58)	271985	7322199	50	32 – 50 m	18 m	3.28 g/t	20.89 g/t	0.39 %

1500m strike mapped and drill tested – ready for depth/extension drilling



# Resource Definition – Feasibility Programme

**Drilling Programme**

- 10,000 metres
- Resource definition drilling
- Porphyry testing
- Maiden JORC

Confirm grade continuity along strike & at depth. Sample for metallurgical testing

**Follow up work programme** **Target Q4 2018**

- Infill drilling
- Metallurgical & Engineering studies
- Environmental studies
- Feasibility studies

Mining Lease Application

**Epithermal System Definition** **Define 2018**

- Map mineralised extensions
- Drill mineralisation along strike & depth – 50x50m
- Establish initial resource and extend
- Metallurgical Testing
- Geotech and Pit design

Definition of JORC Resources and Reserve Studies

Use of funds (A\$000's)	2018	2019/20	Total
Drilling	1,500	500	2,000
Geophysics	302	75	377
Geology/Geochem	260	131	391
Geometallurgy	112	49	161
Mine Planning	98	102	200
Tenement and Admin	106	227	333
Technical Staffing	149	522	671
<b>Total</b>	<b>2,527</b>	<b>1,606</b>	<b>4,133</b>

**Porphyry/Greisen testing** **Confirm Q4 2018**

- Complete drill targeting
- Drill to validate

Confirm Porphyry

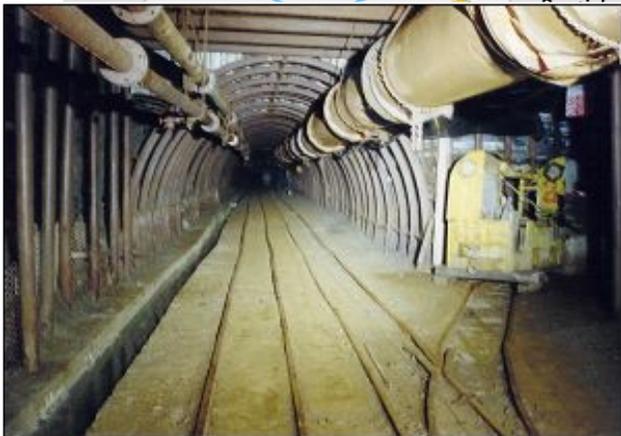
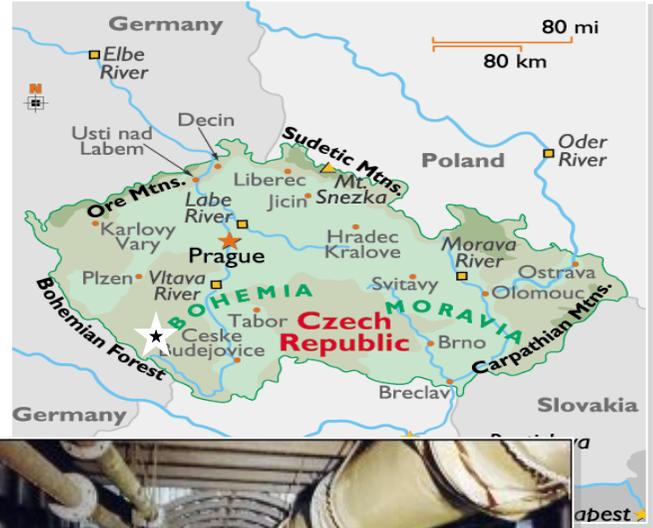
JORC Resource definition → Feasibility studies → JV

# European Expansion Option



## High-grade IRGS development project with multi-million ounce potential

- Option to acquire Otava deposit in Czech Republic from Elbrus Resources
  - (1.5Moz Au @ 7.29g/t Au)
- Lookalike IRGS structure to Australian assets
- Partnering with Gordon Toll
  - Founding Chairman of Fortescue Metals (A\$15Bn ASX listed)
- Exporting Australian R&D to new region
  - Revalue asset ahead of development
- Signature to reinterpret and update Definitive Feasibility Study



Current mine design for +150,000 oz Au p/a production

Option acquisition structure	
10%	US\$250k (paid June 2017)
Further 41%	US\$4.9m (inc. \$1.5m for updated DFS)
51%	US\$5.15m
100%	Acquire balance to 100% or Spin-out / IPO

## Opportunity to export Australian IRGS research to new IRGS region

# 18 Month Group Cash Budget



Sources of funds (A\$000's)	FY 2018	FY 2019/20	Total
Available Group Cash and Receivables	2,026,500	150,000	2,176,500
Research & Development Tax Incentive	994,492	986,959	1,981,451
Placing (£1 million)	1,800,000		1,800,000
<b>Total</b>	<b>4,820,992</b>	<b>1,136,959</b>	<b>5,957,951</b>

Use of funds (A\$000's)	FY 2018	FY 2019/20	Total
IPO Expenses, Commissions and Fees	430,000		430,000
Corporate (UK, AUS)	153,500	689,900	843,400
Drilling	900,000	1,100,000	2,000,000
Geophysics	301,500	75,500	377,000
Geology/Geochemistry	260,000	131,350	391,350
Geometallurgy	111,500	48,500	160,000
Mine Planning	98,000	101,500	199,500
Tenement Rents and Compliance	106,000	227,000	333,000
Technical Salaries	149,103	521,859	670,961
Working Capital		552,740	552,740
<b>Total</b>	<b>2,509,603</b>	<b>3,448,349</b>	<b>5,957,951</b>

Externally validated technical budget maximising in-ground spend

# Why Tectonic Gold?



High-grade IRGS portfolio in Australia with multimillion ounce potential



Ideally positioned to meet demand from producers for replacement projects



Proven successful exploration methodology



Near-term resources mine plan optimisation will drive news flow and revaluation



Australia government backed / funded programs – enhancing investment returns



Upside potential through Czech Republic 1.5Moz Au option



Building the lowest dollar per ounce gold exploration business



Proven value creation business model



Significant opportunity to continue to build portfolio utilising IRGS method

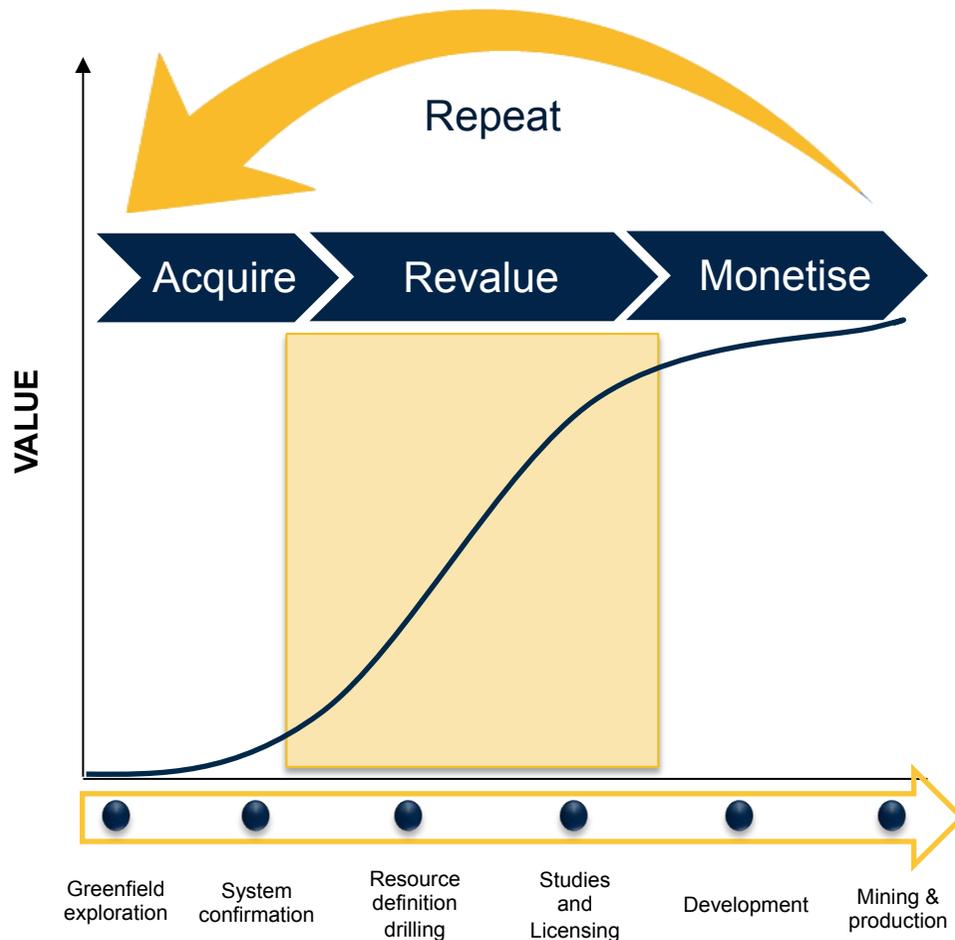


Management with track record of successful gold projects



# APPENDICES

# Value Creation Strategy



## Focus on Highest Return phase of Resource Development Life Cycle

### 1. Acquire

- Identify targets from deep research program

### 2. Revalue

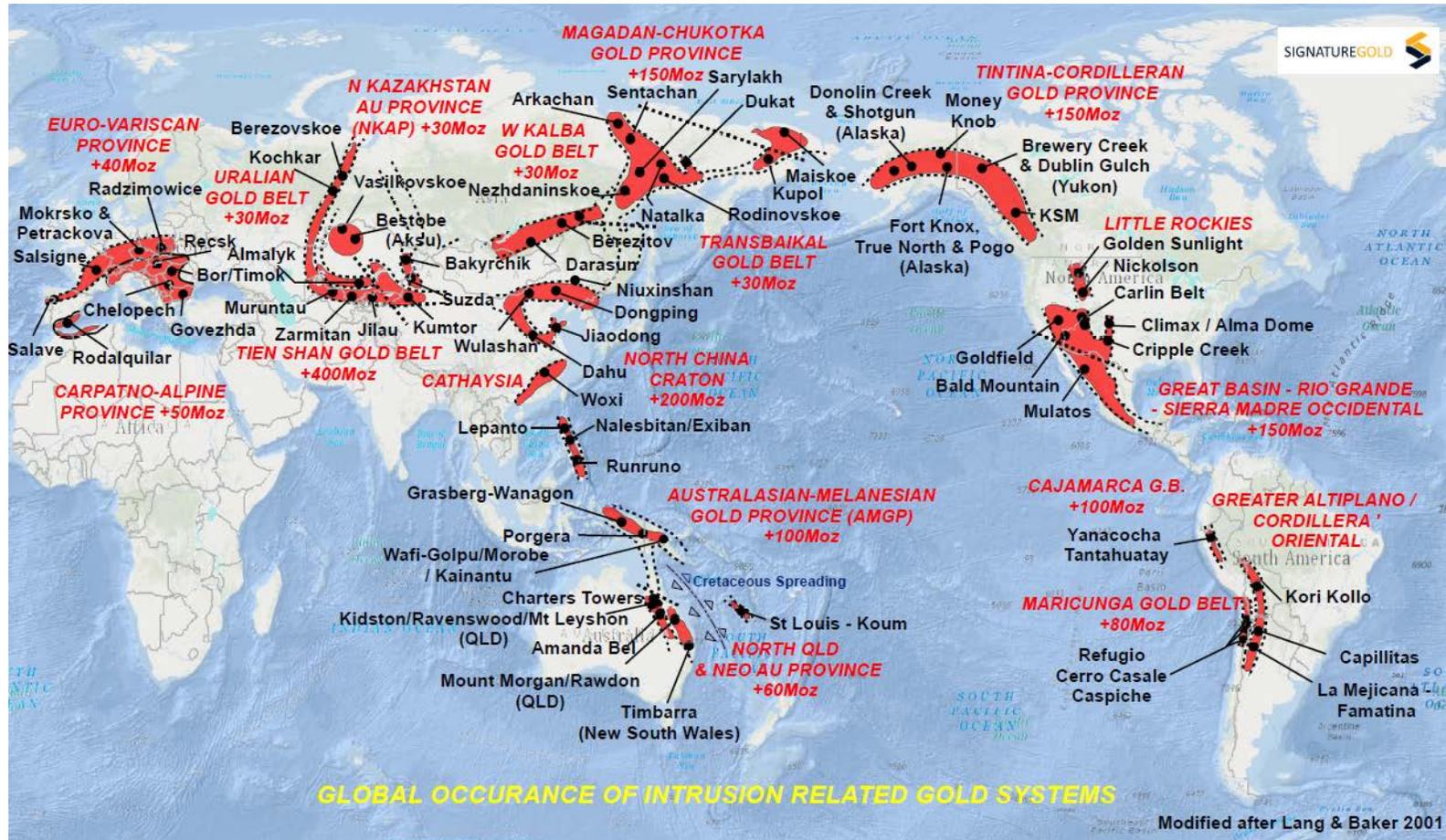
- Reinterpret with in house IRGS knowledge
- Identify and test underlying feeder system
- Define resource
- Extend along strike and depth via drilling
- Complete feasibility

### 3. Monetise

- Strategic partnering / divestment
- Sell to producer needing replacement ounces
- Spin out IPO to fund mine development



# Global IRGS Opportunity

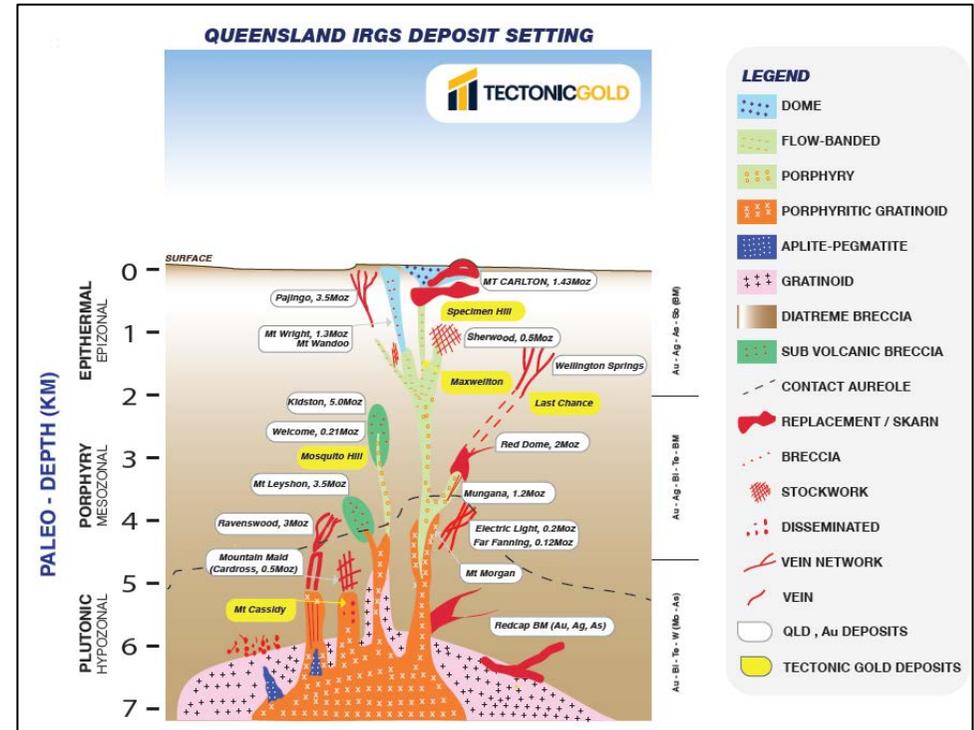


IRGS expertise creates a significant opportunity to apply Tectonic's R&D, big data and exploration methodology honed in Australia to other global IRGS regions

# Tectonic Queensland Strategy



- First mover advantage
  - Historically not understood
  - Passed over by previous explorers
  - Signature first team to consolidate ground and connect the entire system
- Formed by **Tectonic** collision:
  - Structurally controlled deposits
- Signature pathfinder chemicals
  - Bismuth (Bi),
  - Tellurium (Te),
  - Tungsten (W),
  - Molybdenum (Mo), and
  - Antimony (Sb)
- Location, structure and chemistry enable;
  - Accurate early identification
  - Cost effective development



Modified After Geological Survey of Queensland Digging Deeper 2014

## Intrusion Related Gold System deposits in Queensland, Australia

- Previously misinterpreted
- Now recognised as IRGS
- Confirms the region is a prolific host

You find what you are looking for - First team with dedicated IRGS program



# IRGS Prospect Generation

Define



Confirm



Develop

## Leveraging State Government funded remapping

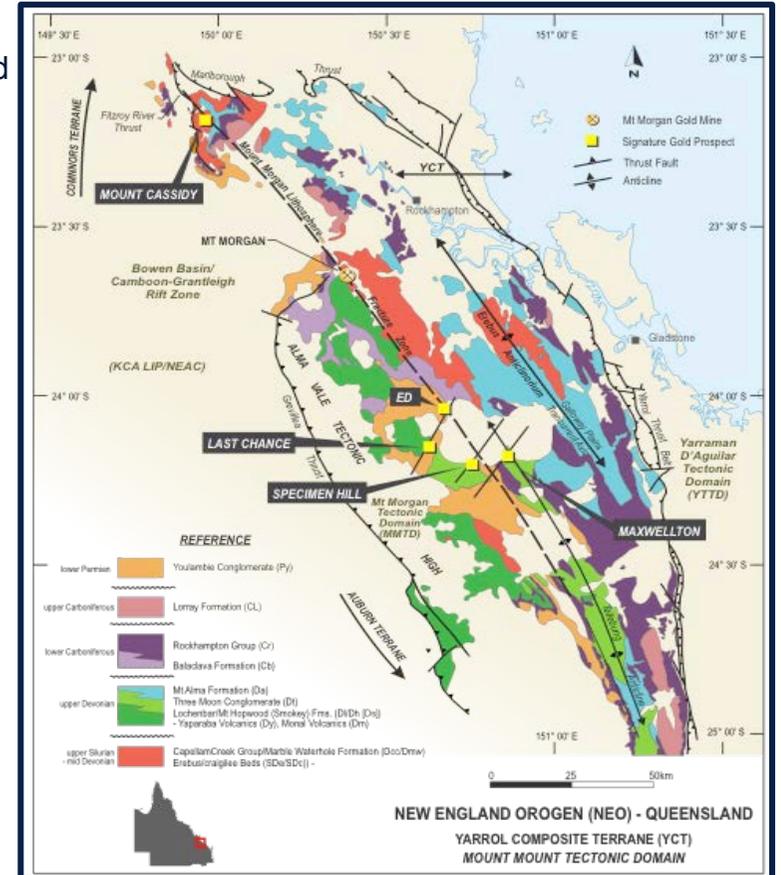
- Digitising new and historic data and running advanced analytics
- Identifying targets previously misinterpreted, overlooked and undervalued
- Deploying senior geologists into the field

## Back to basics to confirm prospectivity

- Geochem, geophysics and drilling
- “Signature” IRGS markers - chemical association, structure and grade
- Deploy new technology to confirm scale - structural mapping with deep penetrating Sub Audio Magnetics

## Build model and development programme

- 2 prospects ready for resource definition
- Multi-million ounce gold potential

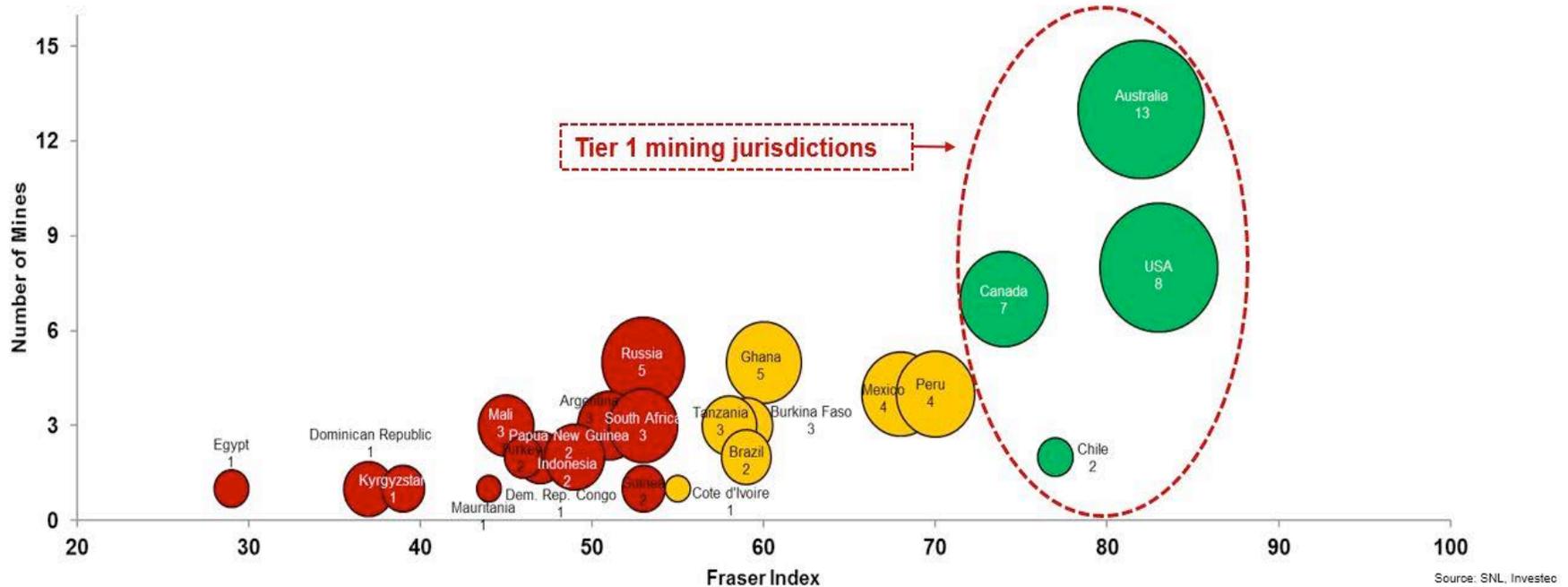


Deep research identifying new opportunities in a proven gold producing region



# Why Australia

- First class jurisdiction with no sovereign risk
- Developed mining laws and very active industry
- Geological attractiveness



A top 10 jurisdiction in Fraser Institute “Investment Attractiveness Index”



# Australian Portfolio Upside

## World Class Region in First World Jurisdiction

- Extensive development portfolio
  - 8 identified mineralised systems
  - Pool for replacement ounces
- Complex geology that has been overlooked
- Close to major infrastructure and trading partners
- Technologically advanced economy with developed mining laws
- 42.5% Government co-funding
- Australian miners are hungry for large scale projects to replace the ounces being produced.
- Signature has assembled a portfolio of assets ready for development to meet this demand.

## Development Pipeline

<b>Biloela Project</b>	Specimen Hill, Last Chance, Maxwellton
<b>Clermont Project</b>	Fletchers Awl, Mount Donald
<b>Rockhampton Project</b>	Mount Cassidy, Round Mount
<b>Sarina Project</b>	Mosquito Hill
<b>Others</b>	Other targets identified in under-explored region



Developing large scale assets in a region hungry for replacement ounces



## **Signature Gold**

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