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**RESOURO**  
STRATEGIC METALS

## High Grade Rare Earths and Titanium Brazil

Investor Presentation  
June 2024

This presentation has been approved by the Board of Directors

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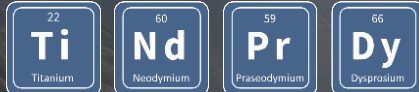
## **Acceptance**

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## **Competent Person Statement**

The information in this document relating to the technical assessment of assets, exploration targets and/or exploration results at the Tiros Project is based on, and fairly represents, information and supporting documentation prepared by Rodrigo Mello B.Sc. Geology, FAusIMM. Mr Mello has sufficient experience that is relevant to the style of mineralisation and types of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Mello consents to the inclusions in this document of the matters based on his information in the form and context in which it appears.

RESOURO



Emerging Rare Earths and Titanium  
Explorer with significant potential



## Significant Deposit & High Grades

- ✓ Total Rare Earth Oxides figures reported above **10,000ppm TREO**
- ✓ Titanium dioxide potential grades reported above **24% TiO<sub>2</sub>**
- ✓ Favourable geology in large land holding of approximately **450km<sup>2</sup>**
- ✓ Seeking to delineate a JORC compliant resource target **in July'24**
- ✓ Testwork program with **positive metallurgical results expected**

## 1 Extensive drilling works with consistent results



- 82 holes drilled for a total of 4,766 metres with consistent TREO high grades (3,872ppm) containing ~20% NdPr (730ppm) complemented by ultra high Titanium (12.4%  $\text{TiO}_2$ ).

## 2 Comprehensive Metallurgical Testwork Program Underway



- Partnering with two premium laboratories - CIT SENAI and Altilium – to conduct detailed standard and high-recovery tests on samples from the central block over 2024.

## 3 Tier one mining jurisdiction with established infrastructure



- Project is well located in a leading mining jurisdiction (Minas Gerais, Brazil) with existing world class roads, rail, ports, power, water infrastructure and local qualified labour.

## 4 Near and medium-term catalysts to drive shareholder value



- ASX dual listing achieved - expected to generate greater market awareness and trading liquidity - coupled with ongoing assay, metallurgical results and future JORC resource estimates.

## 5 Attractive valuation relative to peers



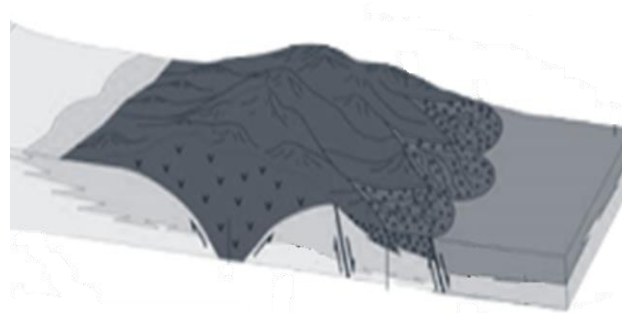
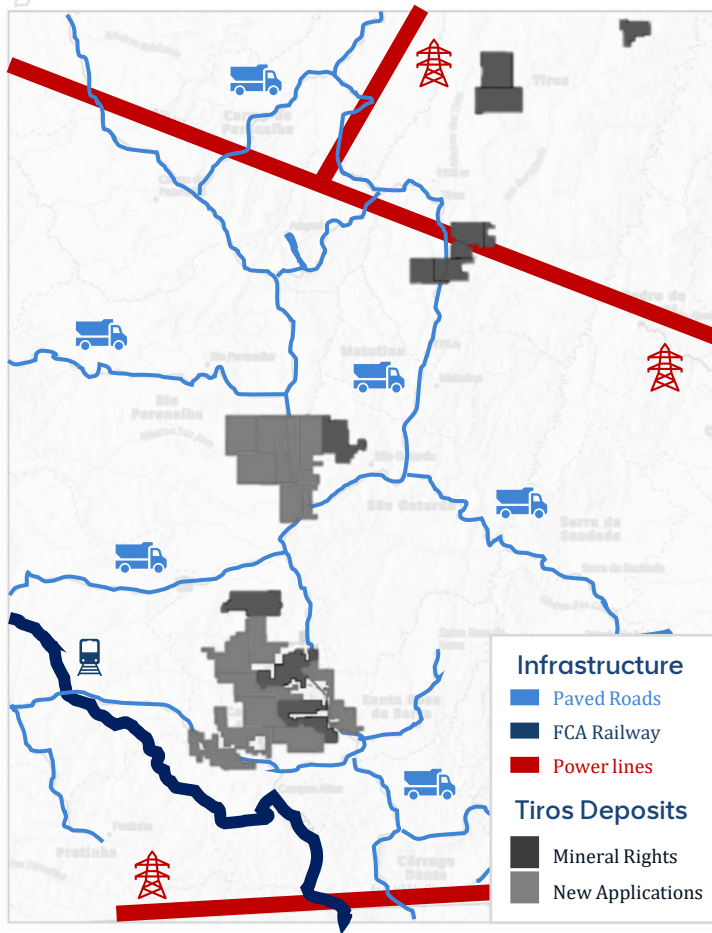
- Tight capital structure and high-quality share register - 25% owned by management and board, 75% by institutions/family office/HNW/Retail – with attractive market capitalisation compared to peers.



# Extensive, targeted land holding, 450 km<sup>2</sup>



## Key competitive advantages



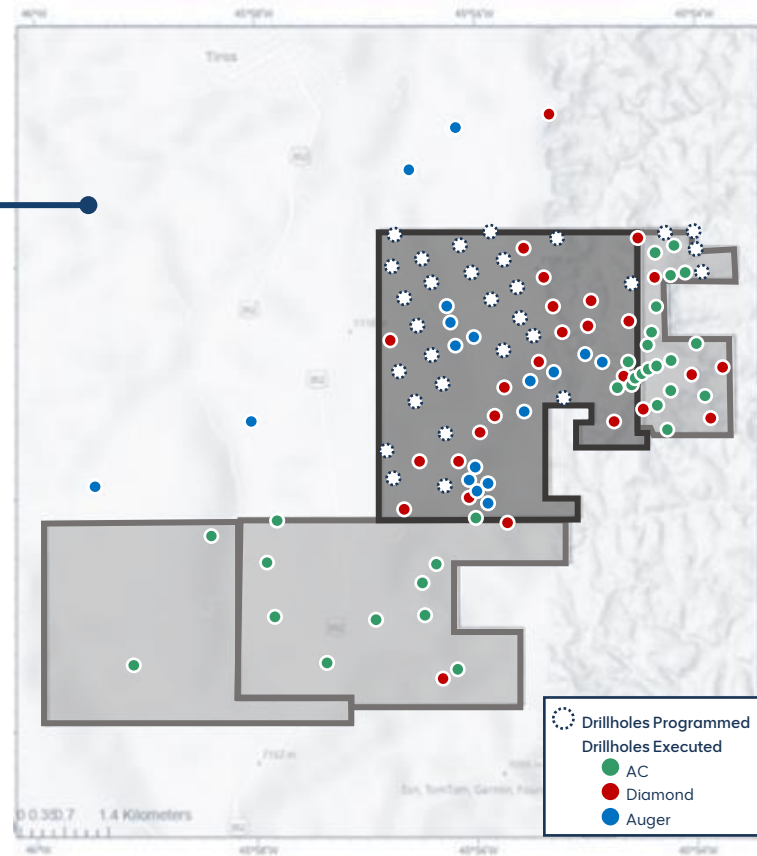
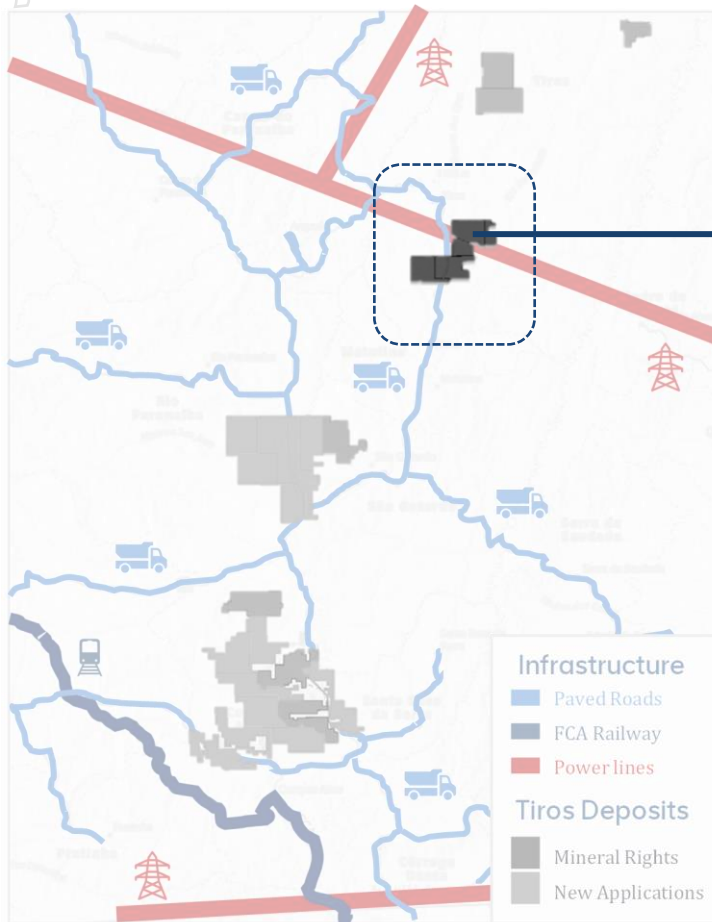
### Project Deposit is a Volcanoclastic and Epiclastic Layer

Extensive homogeneous layer of consistent rock type and grade 1 to 5 km wide and 70 km long and average >40m thick

- The Capacete Formation extends over 71km in length with **boundaries of width, length and depth not yet determined**
- Resouro has rights over all of the available geologically prospective parts of the Capacete Formation with recent additional areas **approved by the ANM, these exploration permits cover over 45,000 hectares in this area**
- Resouro has data from **over 11 years of exploration** which includes, 21 Drill-holes, over 3,000 surface samples, geological mapping and geophysics,
- Resouro has completed 61 new drill holes, density measurements, initial metallurgical test work and topographic surveys to delineate a **JORC compliance resource**

# Present and planned drill program

## Drilling effective outcomes



- The Total Tiros Project tenements cover over 45,000 hectares
- Present focus is on Tiros Central which represents over 5,981 ha of the total area located in the centre of the Tiros Project
- Current plans are to define the Tiros central blocks before exploring the Tiros Northern, Sao Gotardo and Campos Altos as separate potential new projects
- No determined floor, width or length of the mineralised zone yet determined



# Significant and consistent high-grade results



## Resource Definition

CENTRAL BLOCK

REGIONAL

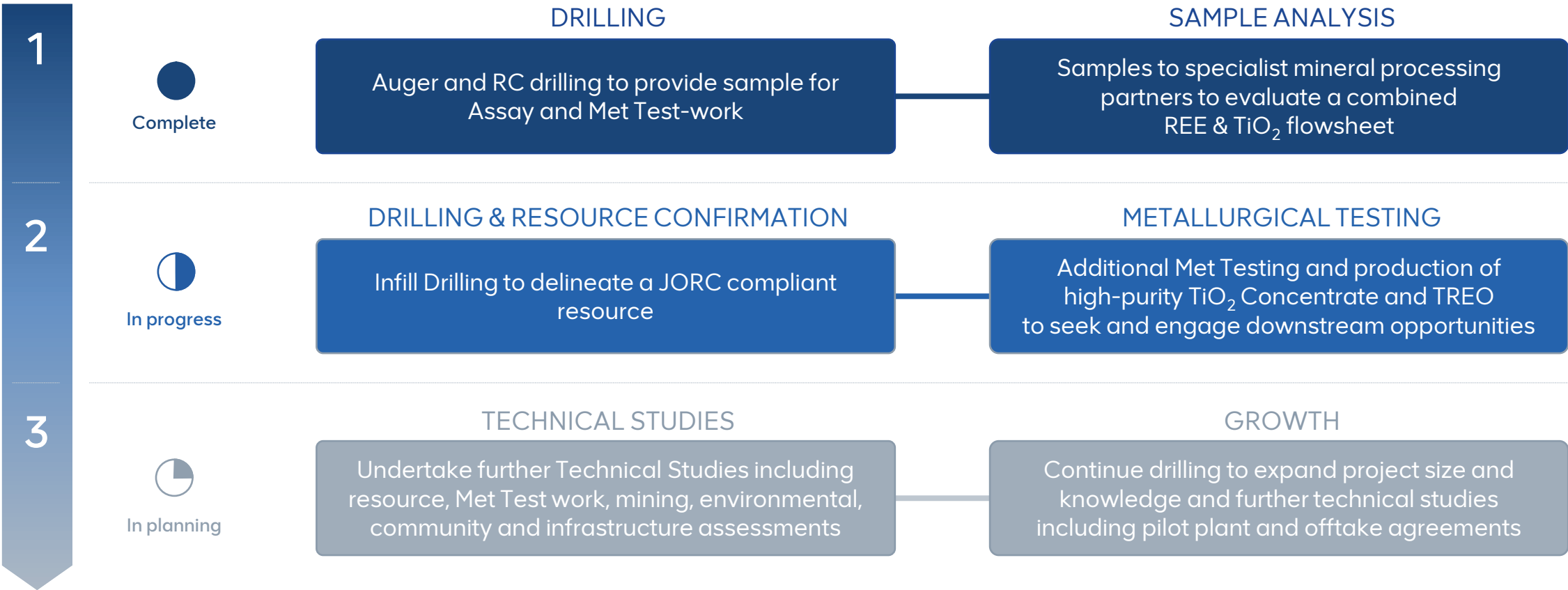
	FROM	TO	METRES	TiO <sub>2</sub> %	TREO ppm	NdPr ppm
Aircore	14	20	6	22.40%	9,094	2,100
Aircore	58	61	3	19.65%	8,176	1,886
Aircore	10	15	5	21.35%	8,156	1,470
Diamond	22	26	4	23.08%	9,972	2,318
Diamond	26	31	5	20.40%	9,642	2,168
Diamond	36	41	5	22.16%	7,260	1,603
Diamond	21	28	7	21.15%	9,055	2,181
Diamond	50	58	8	26.25%	7,868	1,525
Diamond	42	46	4	25.43%	10,264	2,394
Diamond	52	58	6	27.23%	12,937	3,229
Diamond	24	35	11	19.26%	7,744	2,042
Diamond	31	39	8	23.27%	10,721	2,495
Diamond	49	62	13	20.44%	6,504	1,215
Diamond	45	51	6	20.88%	8,268	2,010
Diamond	50	63	13	18.79%	8,008	1,803
Diamond	18	33	15	17.57%	8,158	1,812
Diamond	18	24	6	23.74%	8,199	1,704
Tiros North	6	16	10	9.34%	4,867	1,432
Tiros North	47	51	4	14.94%	6,612	980
Tiros North	6	12	6	18.02%	7,565	1,616
Tiros North	7	12	5	18.80%	8,380	1,889
Tiros North	17	35	18	18.45%	6,417	1,149
Tiros North	17	24	7	19.27%	7,702	1,271
Tiros North	47	53	6	22.28%	9,713	2,042
Sao Gotardo	41	53	12	14.42%	4,332	1,007
Sao Gotardo	24	41	17	11.60%	4,746	1,065
Sao Gotardo	13	32	19	11.55%	3,443	658

- 26 metres at 6,410ppm TREO 1,458ppm NdPr and 15.13% TiO<sub>2</sub> from 33 metres
- 40 metres at 4,343ppm TREO 1,000ppm NdPr and 11.46% TiO<sub>2</sub>, from 10 metres
- 40 metres at 4,576ppm TREO and 928ppm NdPr and 15.15% TiO<sub>2</sub>, from 6 metres



## Project Indicative Timelines

Phases





## Leading Edge Laboratories undertaking test work



### Conventional Ionic Clay REE and $\text{TiO}_2$ Recovery CIT SENAI – Brazil's Leading Industry Technology Group

CIT Senai are custodians to a world class mineral laboratory pilot plant facility in Belo Horizonte Brazil. The group is well supported by the Brazilian mining industry and Government. Resouro has engaged CIT to undertake a detailed standard Rare Earth and Titanium recovery testwork with the ultimate aim of achieving the most optimised standard REE and Titanium Flow sheet

~250kg of representative samples from the Tiros Central project, representing ~61 holes that have been selected by our chief metallurgist.

Post listing, this material will commence 4 phases of testwork over 12 months including Characterisation, REE Recovery,  $\text{TiO}_2$  Recovery, optimisation



### Non - Conventional Ionic Clay REE and $\text{TiO}_2$ Recovery Altilium - Australian Critical Minerals Metallurgy Technology Group

Altilium are custodians to many international mineral processing patents, determined as highly suitable for the Tiros feedstock. Altilium and RSM have agreed with the assistance of Core Laboratories in Brisbane Australia that testwork using the Altilium sustainable and patented technology to develop and unconventional high recovery flowsheet related to their prior successful projects, which is predicted to enable recovery of other critical minerals in Tiro's project including niobium and phosphate.

2 x 50kg representative samples representing the entire orebody from the Tiros central project of approximately 61 holes that have been selected by our chief metallurgist.

Post listing, this material will commence 3 phases of testwork over 6 months including Characterisation, REE Recovery and  $\text{TiO}_2$  Recovery

## ASX Secondary Listing

Total C\$6.3m raised on the TSXV to accelerate drilling and resource definition activities

C\$ 4.8m Raising Completed  
for pre-Resource Target works

C\$ 1.5m Raising Completed  
for Resource Target works

Prospectus  
Lodgement

ASX Secondary  
Listing

CAPITAL STRUCTURE	#Shares	%
Shares on issue prior to IPO	76,332,192	83%
Shares to be issued under IPO	16,000,000	17%
Shares on issue after IPO	92,332,192	100%
Options <sup>(1)(2)</sup>	10,610,000	
Warrants <sup>(3)</sup>	600,616	
Lead Manager Options <sup>(4)</sup>	1,843,643	
RBM Performance Rights	750,000	
Fully Diluted	106,186,451	

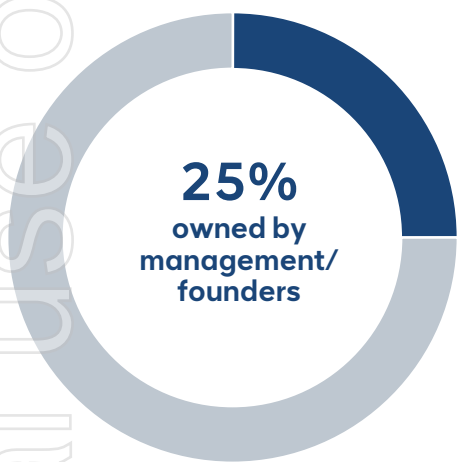
(1) Management Options 4,560,000 Strike Price CAD 17.5c expiry 13/06/2028 and 2,250,000 Strike Price 50c expiry 25/09/2028

(2) 4,000,000 Options Issued to Resmin Pte Ltd (Chris Eager) with a strike price of CAD 20c and expiry date of 2 August 2028

(3) 600,616 Strike Price CAD 20c, expire July 2026, issued to Taylor Collison

(4) 1,843,643 Lead Manager Options to be issued to Taylor Collison with strike price of C0.68 and 3-Year Term

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**Chris Eager**  
Director,  
President & CEO

**Mr Christopher Eager** is a mining engineer and has 35 years of experience in the mining industry. After graduating as a Mining Engineer, he worked in and managed various gold mining operations in Australia and South America. Following on from completing an MBA at ISG in Paris, Mr Eager worked in Mining Project Finance for NM Rothschild (Australia). Mr Eager was a co-founder of Monterrico Metals PLC which unlocked value in the Peruvian Rio Blanco copper project that was acquired in 2007 at a valuation of ~USD\$200 million. Mr Eager also co-founded Asia Energy PLC and CoalMont Ltd.

**Anne Landry**  
Director

**Ms Anne Landry** is an international finance professional with experience in financial structuring, investments and strategy. Ms Landry has been responsible for the oversight and bankable structuring of projects in various sectors, including mining, and with financial institutions and multilateral organisations worldwide. Ms Landry holds a Bachelor of Commerce from McGill University, a Master of Business Administration from Institut Supérieur de Gestion in Paris and is a CFA charter holder.

**Justin Clyne**  
Director

**Mr Justin Clyne** is an Australian based company director and company secretary for public-listed and unlisted companies. Mr Clyne has significant experience and knowledge in international law and corporate regulatory requirements. Mr Clyne was admitted as a solicitor of the Supreme Court of New South Wales and High Court of Australia in 1996 before gaining admission as a barrister in 1998. Over the past 16 years, Mr Clyne has dedicated full time to the provision of corporate advisory and related services for listed entities from incorporation through to takeovers and other large corporate transactions. Mr Clyne holds a Master of Laws in International Law from the University of New South Wales. Mr Clyne is also a qualified Chartered Company Secretary and a Member of the Australian Institute of Company Director.

**Philippe Martins**  
Director

**Mr Philippe Martins** is a lawyer designated by the Brazilian Bar Association (OAB), specializing in Corporate and Mining Law, with more than 20 years of experience in the Brazilian mineral market and over 10 years of experience in legal consultancy, advisory and litigation for national and international companies established in Brazil. Mr. Martins holds *latu sensu* post-graduation in Corporate Law and Mining Law, respectively at FUMEC/CAD and CEDIN, Belo Horizonte, Brazil. Mr Martins served Luna Gold Corp. (currently Equinox) for over seven years in the roles of General Legal Manager and Legal Director. An independent lawyer since 2015, Mr Martins has supported junior and mid-tier mining companies registered and operating in Brazil and effected the acquisition of mining projects and mineral rights via incorporations, mergers, and joint ventures.



## CREC – Corporate Responsibility and Ethical Commitment



Continue to foster and develop Resouro's existing relationships with communities and all stakeholders surrounding our projects for mutually beneficially co-existence



Seek to minimize the footprint of the unavoidable disturbance and rehabilitate these areas as quickly as practical with detailed well-defined plans in advance



Shall implement a policy of employing local people as well as sourcing equipment & services from the surrounding regions where possible



Continue to examine and adopt the best environmental practices such as dry-stack tailings disposal and minimising water and non-renewable energy sources

## Following the United Nations Sustainable Development Guidelines

## Fundamentals



- **Exceptional properties:** corrosion resistance, light weight and strength-to-density ratio.
- **High demand from an extensive range of industries:** aerospace, defence, automotive, energy, healthcare and chemical.
- **No suitable substitutes** for Titanium Dioxide in the highly demanded paint industry.
- **No demand from recycling of Titanium oxides:** complicated and hard to recycle.
- **Potential for new generation of batteries and power storage systems:** new compositions with Ti and Na

## Fundamentals



- Rare Earths market is mainly driven by the **magnets segment, which accounts for ~30% of volume, but captures most of market value (~80%).**
- Magnet market **growth is driven by NdFeB magnets application**, which accounts for two-thirds of all permanent magnets.
- **Strengthening of energy transition, specially by EV and Wind Turbines usage**, will drive growth in NdFeB magnet demand which contains mainly Nd/Pr and Dy/Tb
- Consequently, demand rate shall increase in the next decade, and **new projects must be underway by 2030 and beyond to close the gap.**

# What makes Resouro UNIQUE

## TIROS

An emerging project  
in the REE and  
Titanium industry

### Asset Value

Long-life, high-grade, large-tonnage, low-cost potential project located in a mining jurisdiction that blends world-class infrastructure for utilities and transport.



### Premium Infrastructure

Adjacent to Tiros - access to renewable power, water and local labour - existing top-tier rail and roads connecting to port, to enable exports and receipt of goods.



### Broad experience

Resouro's founder, CEO and major shareholder, Chris Eager, has a strong track record in building shareholder value in resources companies.



### Positive relations

Favourable government support, very positive community and stakeholder relations, with active participation and engagement in local social initiatives



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**RESOURO**  
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**Chris Eager, CEO**  
[chris.eager@resouro.com](mailto:chris.eager@resouro.com)  
+44 73 88 05 79 80