LON:EEE

OTCQB:EPMLF

Supplying the Future

High-Purity Titanium Dioxide for a Growing Global Market

Advancing one of the world's largest titanium projects in Western Australia

Developing the Largest Known Titanium Discovery

The Pitfield Project (70% JV) is a district-scale discovery with exceptional grade and size

Scalable, Efficient Development Path

Simple bulk mining with conventional processing steps for high-value products

Titanium: A Critical Metal in Supply Deficit

Increasing in global demand, rising geopolitical risks, and supply chain challenges

Experienced Leadership Team

Proven expertise in mining, processing, project development and finance to drive success

Tier-1 Location of Western Australia

Access to infrastructure, skilled workforce, and government support

Strong Re-Rating Potential

Undervalued compared to peers with key catalysts in 2025 to unlock value

Pitfield: The World's Largest Known Titanium Discovery[1]

A giant-scale, high-grade titanium deposit with exceptional continuity

JORC Exploration Target:
Estimated **26.4 – 32.2 billion tonnes @ 4.5% - 5.5% TiO_2***

Why Pitfield Stands Out

- **District-Scale Discovery**
  Spanning 40 x 8 x 5 km, confirming a vast mineral system
- **Extensive Drilling Completed**
  117 holes over 17,692m, showing strong grade continuity
- **High-Purity Advantage**
  In-situ weathered cap contains anatase and rutile (>90% TiO_2) with no mining waste
- **Clean of Contaminants**
  Extremely low in uranium (U), thorium (Th), chromium (Cr), and phosphorus (P), making it ideal for high-purity titanium markets

Exceptional Drill Results

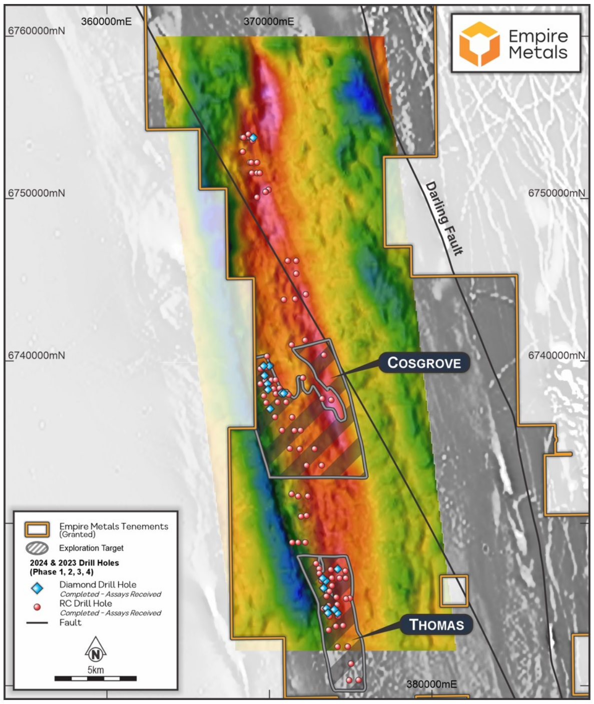
154m at 6.76% TiO_2
from surface [RC24TOM022]

148m at 6.49% TiO_2
from surface [RC24COS019]

150m at 6.44% TiO_2
from 4m depth [RC24TOM021]

TiO_2 mineralization
open below all three holes

Grey-scale magnetics map overlain by airborne gravity data showing RC and diamond core drillhole collars



*The potential quantity and grade of the Exploration Target is conceptual in nature. There has been insufficient exploration to estimate a Mineral Resource, and it is uncertain if further exploration will result in the estimation of a Mineral Resource. See RNS dated 12/06/2024 for more information. [1] Global resources are about 4.3 billion tonnes according to US Geological Survey, refer "Critical Mineral Resources of the United States–Economic and Environmental Geology and Prospects for Future Supply - Professional Paper 1802-T"(2017)

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2025 Key Milestones & De-Risking Plan

Accelerating Development Toward Production

Building on 2024 Success

- Exploration programs in **2023/24 defined a high-grade titanium discovery** and established a **JORC Exploration Target**
- Assembled a team of **metallurgical and operational experts** to advance project development
- **Metallurgical and mineralogical processing delivering positive results**, opening the path to develop a high-value product via a simple processing route

Key 2025 Milestones

- **Bulk sampling and metallurgical processing** to advance flowsheet design and define product specifications
- **Engage with industry players** to assess product suitability for premium pigment and titanium sponge markets
- **Infill drilling program** to support the definition of an initial **JORC Mineral Resource Estimate**
- **Mining study** to evaluate the potential for a low-cost strip mining approach utilising continuous mining techniques
- **Design and commissioning of a pilot plant** to further refine processing and optimize economics

Value Creation Opportunities

- **Strategic partnerships** to support project development
- **Advancing resource definition** through ongoing drilling.
- **Defining a saleable product** through pilot plant operations
- **Feasibility studies** to further assess project economics
- **Offtake agreements** to secure market pathways

Financial Info

Ticker	LON:EEE	OTCQB:EPMLF
Group's Cash Position*	£4.8M	$6.2M USD
Shares on Issue	642,264,810	642,264,810

* As at 30 September 2024

GBP to USD Exchange Rate of $1.298

Empire Metal's Pitfield Competitive Advantage

- Targeting production of a high-value >95% TiO_2 product from naturally occurring high-purity anatase and rutile
- An alternative to traditional titanium production, reducing reliance on declining rutile supply
- Targeting premium applications – titanium metal, aerospace, and premium grade pigments

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