

Did You Know?

Rare Earth
Elements. What
makes them
strategic, and
why they're not
actually "rare."



REE

The Misconception

Rare earth elements aren't scarce in the Earth's crust. They're about as common as copper or zinc. The real challenge lies elsewhere.



REE, although widespread, rarely form concentrated deposits. Only a few deposits worldwide have the right combination of:



- Suitable minerals
- Consistent grades
- Scalable processing pathways

Where Alba Encounters REEs

At Motzfeldt (Greenland), REEs occur within a complex alkaline intrusive centre alongside Nb, Ta and Zr. Fieldwork and sampling have identified:

- REE-bearing hydrothermal structures
- Zones with elevated REE signatures
- Minerals with established extractive industries e.g. bastnäsite and monazite

Why We Analyse Samples

Laboratory analysis, mineralogical and geochemical, helps us understand:

- which REEs are present
- how they're distributed
- which minerals host them
- how these zones relate to the broader geological model

This informs the next steps of responsible project development and supports planning for future work programmes.



BUILDING A STRONG SCIENTIFIC BASE

Bulk-sample testing and past fieldwork continue to build our understanding of the Motzfeldt REE system.

Our partnership with the University of St Andrews, supported by published research from Dr Curtis Rooks, ensures independent scientific rigour and knowledge transfer.

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