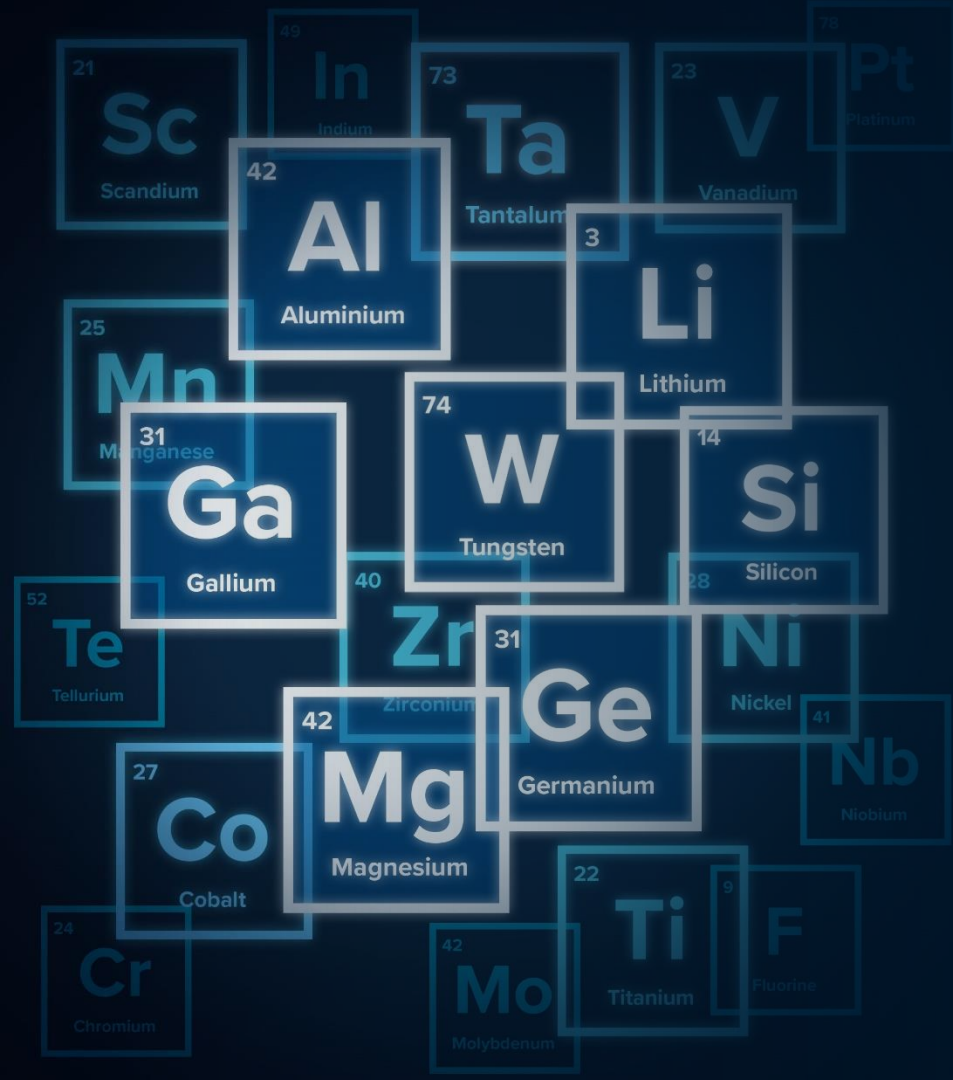


AUSTRALIAN

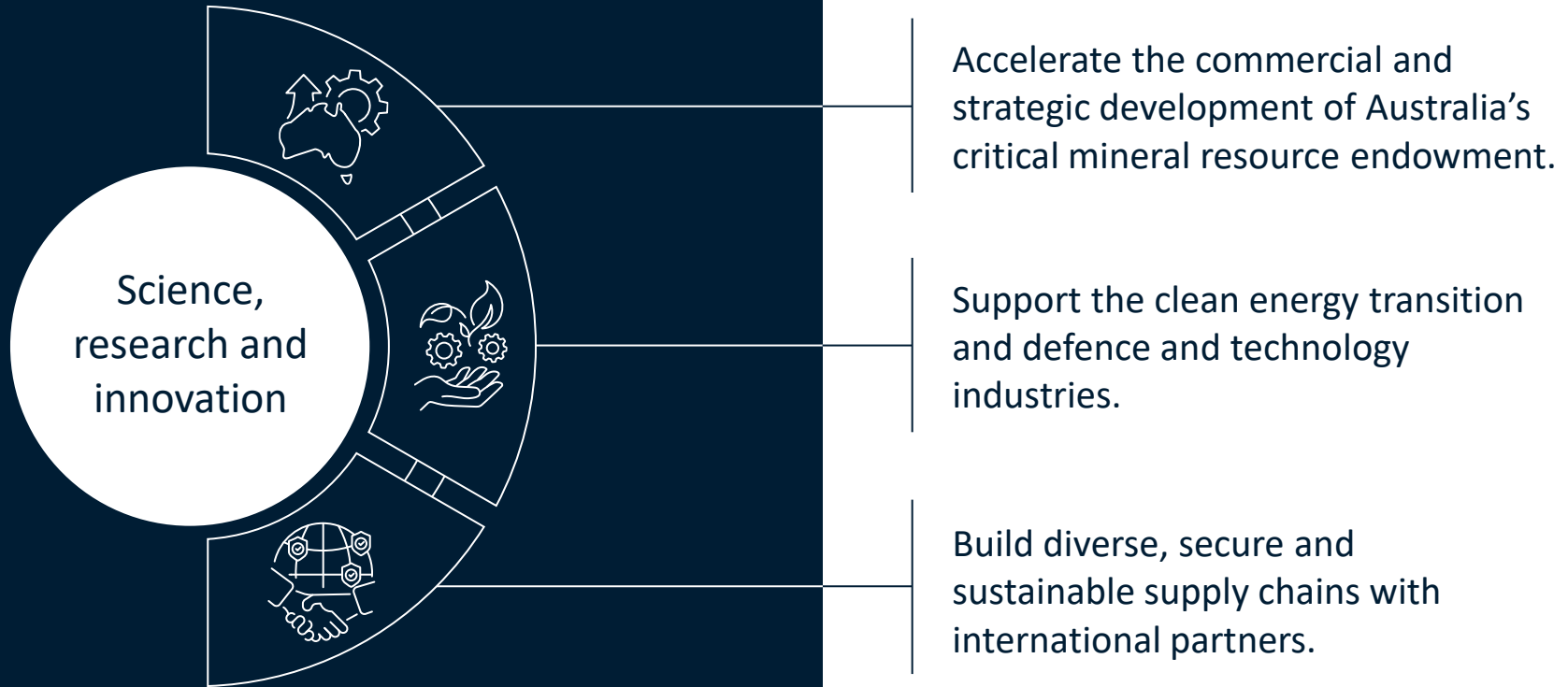
critical minerals

RESEARCH & DEVELOPMENT HUB

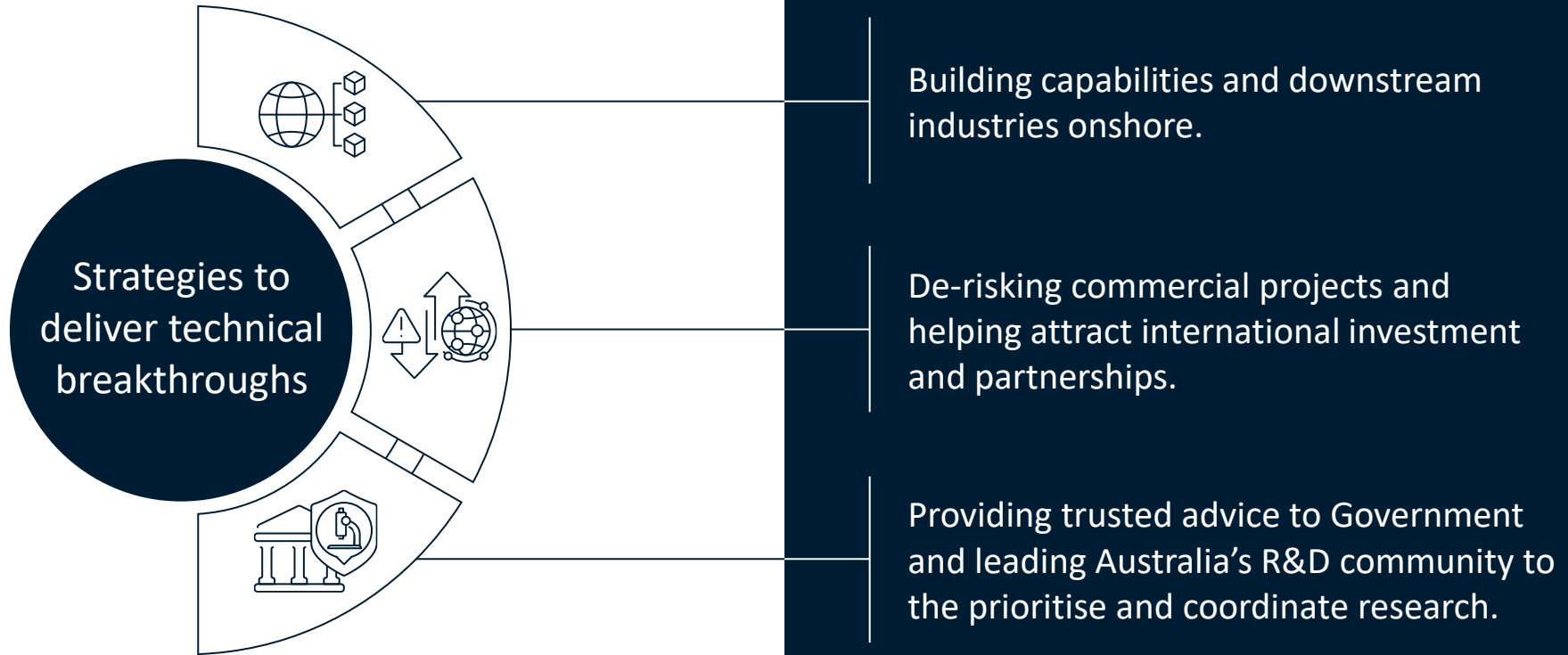
Helping realise Australia's
critical minerals potential
through innovation and
collaboration



Vision



Strategy



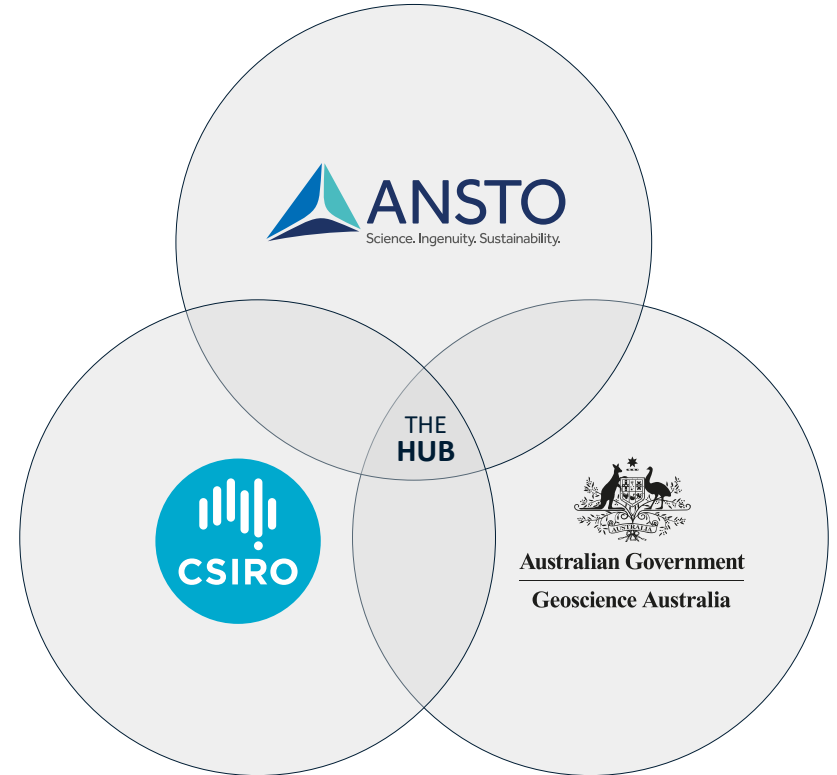
The Hub

The Australian Critical Minerals R&D Hub brings together a strong partnership between Australia's three national science agencies:

Australian Nuclear Science and Technology Organisation (ANSTO)

Commonwealth Scientific and Industrial Research Organisation (CSIRO)

Geoscience Australia

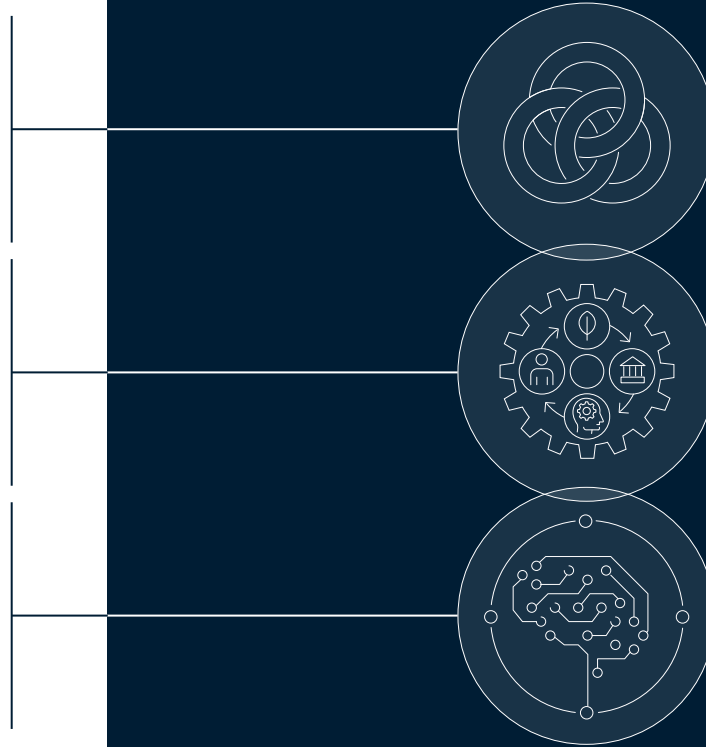


Working together

Australia's three leading science agencies are united in solving technical challenges in the critical minerals value chains.

Producing materials needed by the world, using Australia's comparative advantage and high ESG standards.

Providing pre-competitive data on our geological potential, building on our processing know-how and connecting the critical minerals R&D ecosystem.



Driving innovation

CAPABILITY

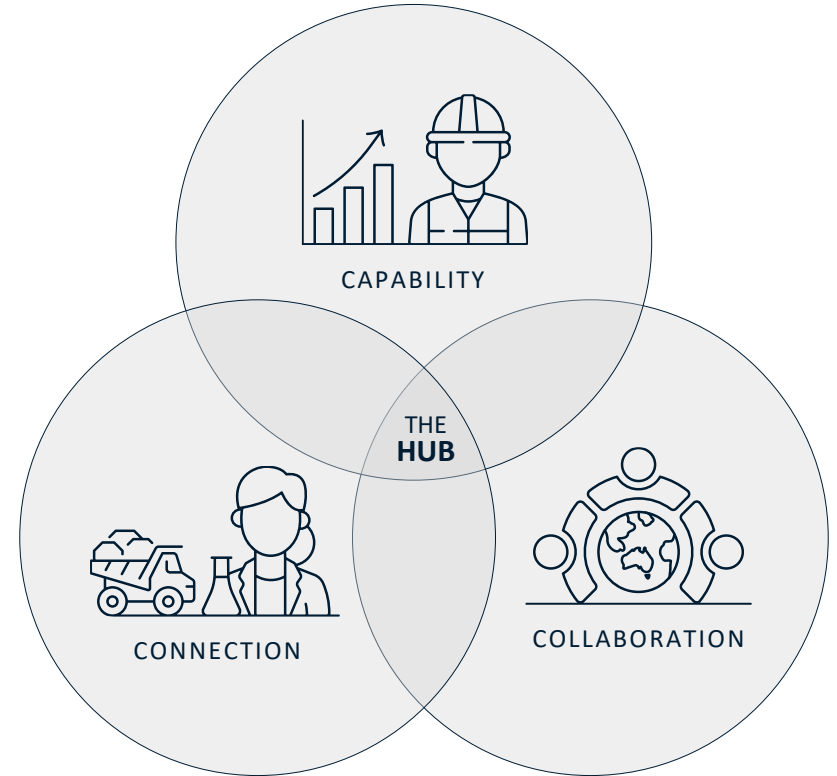
Scaling-up and **commercialising** critical minerals research and development.

CONNECTION

Connecting the critical minerals R&D ecosystem, linking industry to R&D solutions, informing policy.

COLLABORATION

Supporting strategic international critical minerals **collaboration**.





CAPABILITY



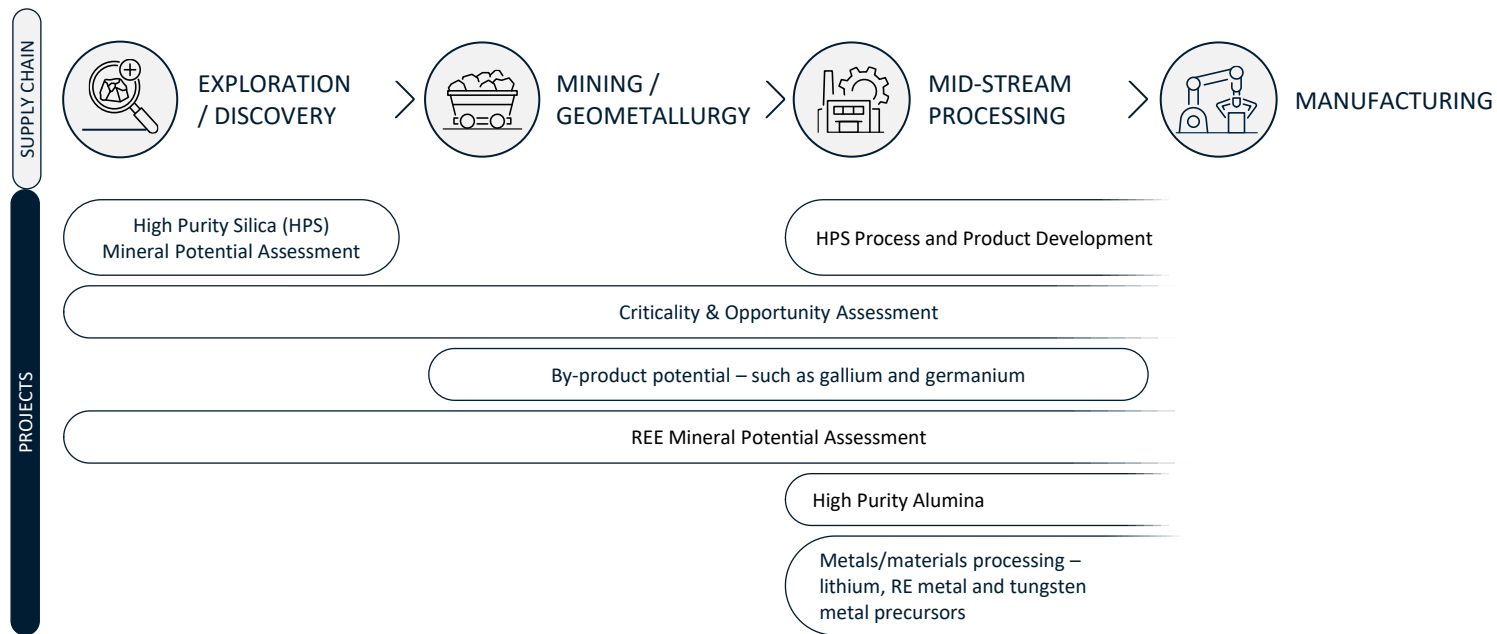
CONNECTION



COLLABORATION

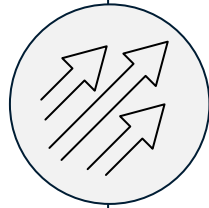
Scaling up and commercialising R&D

The Hub is conducting pre-commercial, publicly-funded research projects along the value chain to grow our industry and deliver technical breakthroughs that will diversify global supply chains of strategic significance.

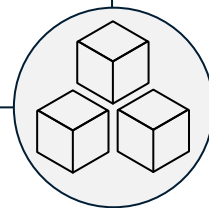


Connecting the critical minerals ecosystem

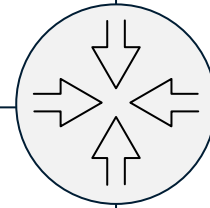
The Hub is delivering science solutions across the critical minerals value chain by coordinating expertise, prioritising R&D challenges and facilitating crucial connections.



Leading national R&D
priority setting across
the ecosystem



Building a database of
Australian critical minerals
R&D and expertise



Connecting the research
sector, government and
industry

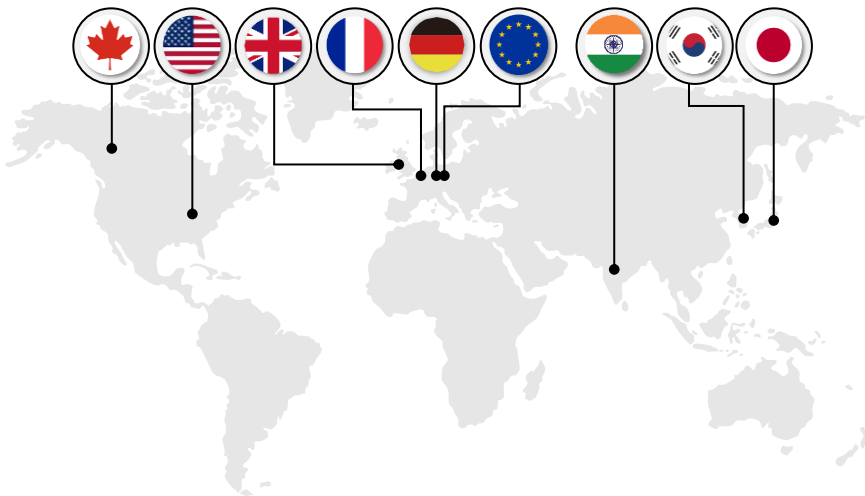




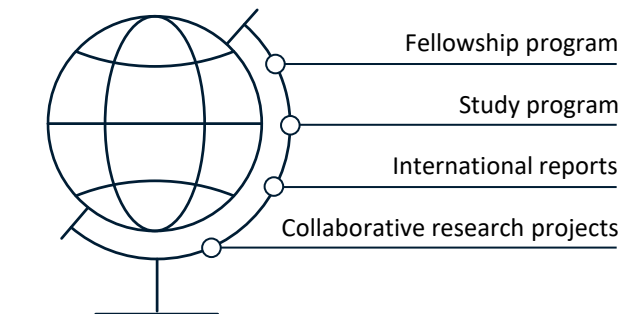
Supporting strategic international collaboration

The Hub is working with like-minded partners to integrate the critical minerals research ecosystem and identify R&D opportunities that will accelerate solutions to supply chain problems.

Established international partnerships

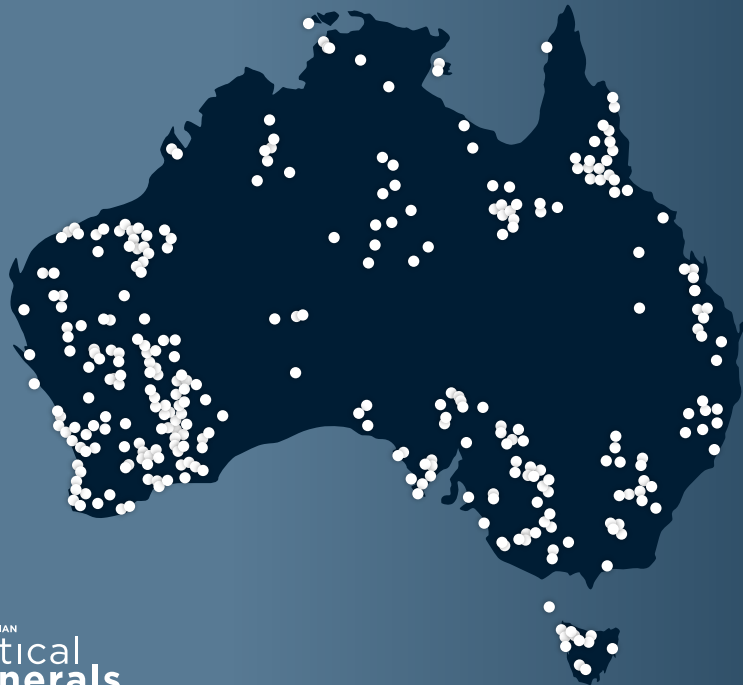


International Programs



Australia's competitive advantage

Australia has the capability to supply responsibly sourced minerals and materials needed to diversify global supply chains.



Australia has a rich mineral and renewable resource endowment

477 deposits with a critical mineral resource

62 operating mines

32 mines under development

#1 global producer of lithium with the potential to be in the top five producer of vanadium and gallium

Australia's competitive advantage

Australia has the capability to supply responsibly sourced minerals and materials needed to diversify global supply chains.



Australia is the
5th highest
destination for renewable
energy investment.

Source: EY, 2024, Renewable Energy
Country Attractiveness Index 2023

Australia has a strong industrial base and demonstrated high ESG standards

A commitment to Net Zero

Strong, mature state and federal environmental laws

Circular economy and recycling

Comprehensive Professional code of practice (JORC)

Australia's competitive advantage

Australia has the capability to supply responsibly sourced minerals and materials needed to diversify global supply chains.



Australia is a **reliable partner** with a highly active and innovative RD&D sector.

Step-change expansion to mid-stream processing capability

Opportunities to unlock competitive and sustainable 'value-add' products

Enable Australian export of responsibly produced materials

Australia's competitive advantage

Australia has the capability to supply responsibly sourced minerals and materials needed to diversify global supply chains.



Australia is a stable jurisdiction with robust institutional structures and a strong regulatory framework.

Corruption Perceptions Index ranks Australia at **14th place** out of 180 countries

Australian mining equipment, technology and services at the forefront of developing cutting-edge technology

13th largest economy in the world

Australia has **18** free trade agreements

Priorities for Australian R&D in critical minerals

PRIORITIES

Support commercial deployment of mature technologies

Pilot and scale up Australian technologies

Accelerate emerging technology and grow Australian IP

Establish new capability in emerging technologies

STRATEGIES

Develop continuous and step-change improvements on costs and sustainability

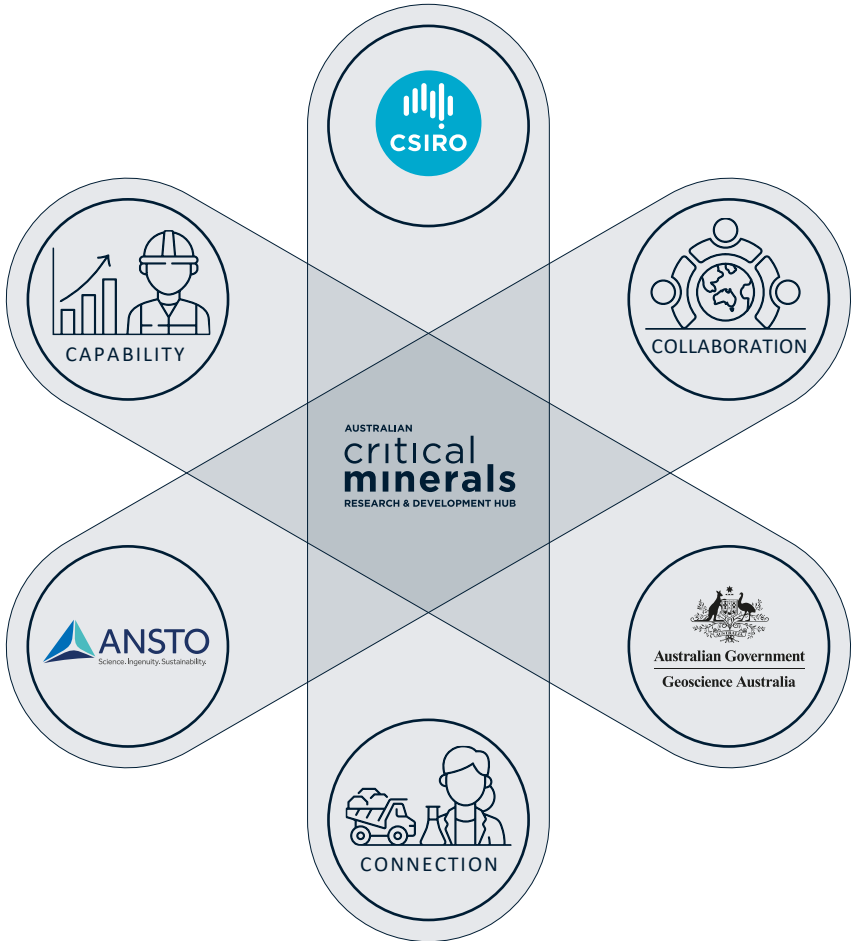
Maximise return on RD&D investment through cross-cutting capabilities and shared infrastructure

Integrate research from adjacent fields to support innovation and decision making



Engage with us

The Hub is a unique opportunity to build diverse, secure and sustainable value chains that facilitate the clean energy transition and promote shared strategic solutions.



AUSTRALIAN
**critical
minerals**
RESEARCH & DEVELOPMENT HUB

Thank you



VISIT OUR WEBSITE

