# Vision

The Territory is a globally significant critical minerals producing, processing and manufacturing centre

# 3 Point Plan

1. Accelerate exploration for critical minerals
2. Support critical minerals projects to commence production
3. Grow refining, processing and manufacturing of critical minerals in the Territory.

# Current and developing projects

The Territory is a world leader in manganese production, with one of the world’s largest high-grade manganese deposits at Groote Eylandt and further deposits at Bootu Creek. There are a number of other projects with potential to commence production.

## Lithium

Grants Lithium Project, Core Lithium Ltd

Resource: 8.6 Mt @ 1.33% lithium oxide Capex: $54M

Environmental assessment lodged

Proposed Schedule: 2019/20

* proposed open cut mining operation
* mineral lease granted Jan 2019

## Vanadium

Mount Peake, TNG Ltd

Resource: 160.4 Mt @ 0.28% vanadium pentoxide, 5.3% titanium oxide and 23% iron.

Capex: Stage one $853M

Environmental assessment complete

Proposed Schedule: Q3 2021

* one of the world’s largest vanadium-titanium-iron resources
* TIVAN® processing plant planned in Darwin
* high-purity vanadium electrolyte, with potential to supply the Vanadium Redox Battery sector

## Copper

Jervois, KGL Resources Ltd

Resource: 25.2 Mt @ 1.53% copper and 29.2 g/t silver.

Capex: $190M

Environmental assessment lodged

Proposed Schedule: Q2/3 2020

* open cut and underground operation
* 12+ years lifespan

## Rare Earths

Nolans, Arafura Resources Ltd

Resource: 56 Mt @ 2.6% rare earths, 11% phosphate and0.02% uranium oxide

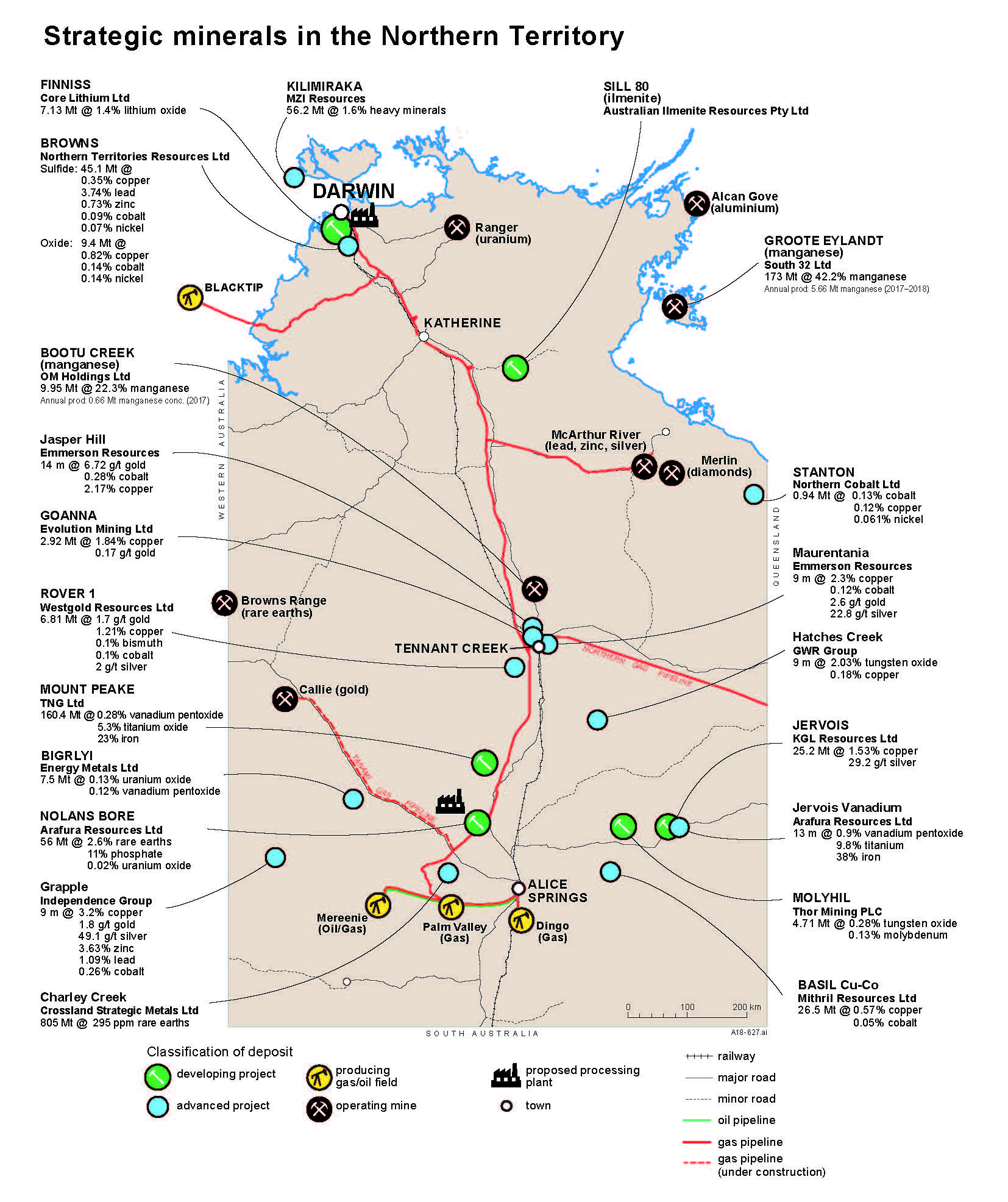
Capex: US$726M

Environmental assessment complete

Proposed Schedule: Q1 2022

* one of the world’s largest neodymium- praseodymium (NdPr) deposits
* potential to produce around 10% of the global demand for NdPr magnet feed
* processing planned onsite

The Territory has numerous other critical minerals projects at various stages from exploration through to near production, including for copper, cobalt, tungsten, zircon and ilmenite.



# The Territory’s critical minerals

* cobalt
* copper
* lithium
* titanium
* manganese
* rare earths
* tungsten
* vanadium
* zircon

# Critically important minerals

Critical minerals are mineral resources that are strategic to the global economy, particularly for new and emerging technologies.

These currently include rare earths and other high value technology metals, used for making batteries, electric vehicles, mobile phones, high-definition screen displays, solar panels, medical equipment and for military technology use.

The Territory is focused on increasing its participation in the latter stages of the critical minerals value chain and is actively seeking investment to support this goal.

| **Value-add opportunities** | **Export opportunities** |
| --- | --- |
| Mining | Unrefined minerals |
| Refining | Refined minerals |
| Processing | Metals |
| Manufacturing | Product components |
| End user products | Product exports |

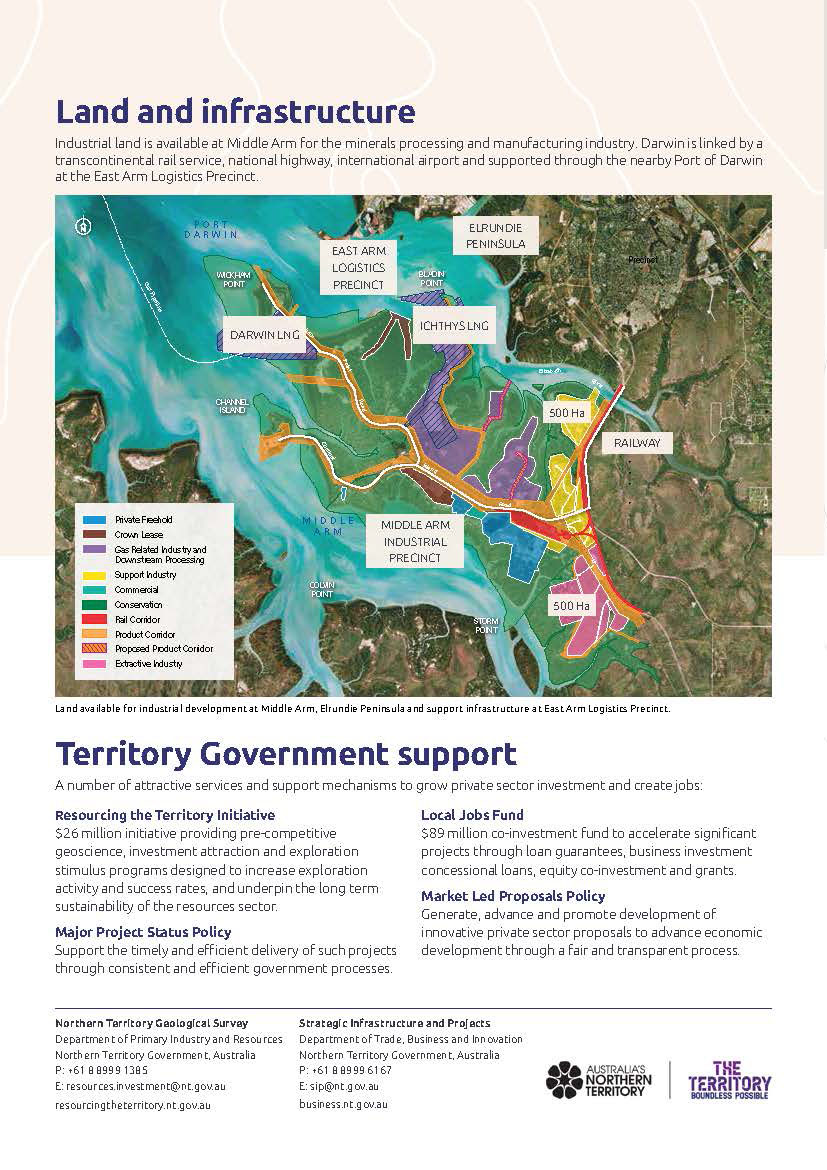
The Territory Government is collaborating with the Australian Government, and other states and territories on the development of the National Critical Minerals Work Program and is developing a comprehensive Territory Minerals Industry Development Strategy.

# Investment opportunities

* Exploration stage projects to define resource and demonstrate economic viability
* Critical minerals projects with most approvals in place
* Domestic refining, processing and manufacturing technologies and facilities

# Land and infrastructure

Industrial land is available at Middle Arm for the minerals processing and manufacturing industry. Darwin is linked by a transcontinental rail service, national highway, international airport and supported through the nearby Port of Darwin at the East Arm Logistics Precinct.



Land available for industrial development at Middle Arm, Elrundie Peninsula and support infrastructure at East Arm Logistics Precinct.

# Territory Government support

A number of attractive services and support mechanisms to grow private sector investment and create jobs:

## Resourcing the Territory Initiative

$26 million initiative providing pre-competitive geoscience, investment attraction and exploration stimulus programs designed to increase exploration activity and success rates, and underpin the long term sustainability of the resources sector.

## Major Project Status Policy

Support the timely and efficient delivery of such projects through consistent and efficient government processes.

## Local Jobs Fund

$89 million co-investment fund to accelerate significant projects through loan guarantees, business investment concessional loans, equity co-investment and grants.

## Market Led Proposals Policy

Generate, advance and promote development of innovative private sector proposals to advance economic development through a fair and transparent process.

# Contact

## Northern Territory Geological Survey

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## Strategic Infrastructure and Projects

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