



# UK Critical Mineral Investment Prospectus

Showcasing critical minerals investment opportunities, projects and services across the UK

Spring/Summer 2026



# Weardale Lithium Ltd

Eastgate Geothermal Lithium



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**Location:** County Durham

**Ownership:** Private

**Commodities:** Lithium (Li)

**Project Status:** Scoping study and pre-construction of demonstration plant

**Production Targets:** 1st commercial production target of 10,000 tpa LCE

**ESG Standards:** Weardale Lithium has adopted UN Sustainable Development Goals (SDGs) as part of its Sustainability Statement and ESG commitments.

## Investment Case

Weardale Lithium is an innovative lithium development company seeking to establish secure and sustainable, domestic production of battery grade lithium carbonate, at scale, from geothermal brines in Weardale, County Durham, UK.

Core investment thesis:

- Strategic exposure to the rapidly growing demand for lithium in UK and Europe, which are in structural deficit
- Provides a differentiated domestic lithium source with low costs & high ESG credentials
- Strong alignment with UK industrial and critical minerals policy to deliver +12,000 tpa LCE towards UK Government target of +50,000 tpa LCE by 2035
- Proven production of battery-grade lithium to industry specifications via integrated extraction flowsheet
- Delivering the UK's largest, permitted lithium brine extraction facility on a brownfield, former industrial site at Eastgate
- Central Processing Facility at Eastgate offers economies of scale with infrastructure already on site
- Robust commercial scale economics: US\$1.39 billion NPV10 and 56% IRR
- Large land package over the wider North Pennine Orefield secured with JORC compliant

- Capital expenditure of ~US\$400 million to achieve commercial scale production
- Direct creation of 125 new well-paid jobs, supporting local businesses through the supply chain and deliver over £1Billion of value to the North East of England economy

## Project Description

Weardale's Borehole to Battery strategy is focused on extracting lithium from geothermal brines at scale. The project is centred on Eastgate, where it has 2x permanent, production-capable wells already in-situ at Eastgate (TD 995m). Planning Approval has been granted for Demonstration Plant + Stage 1 commercial production on an adjacent brownfield site of 28 acres which has excellent access & infrastructure.

Direct Lithium Extraction trials have been very successful. Weardale Lithium was the 1st company to successfully produce Lithium Carbonate from geothermal groundwaters in the North Pennine Orefield using DLE. Low impurities in the brine has enabled high recoveries & indicates low operating costs. Weardale's partnership with Geolith & KBR has developed an integrated DLE + carbonisation flowsheet with a FEED Study completed. Next stage is the construction and operation of the Demonstration Plant which will operate continuously to produce battery grade lithium carbonate entirely on site. Pre-construction and scaleup activities are well advanced.

