# EURASIAN RESOURCES GROUP



















July 2025

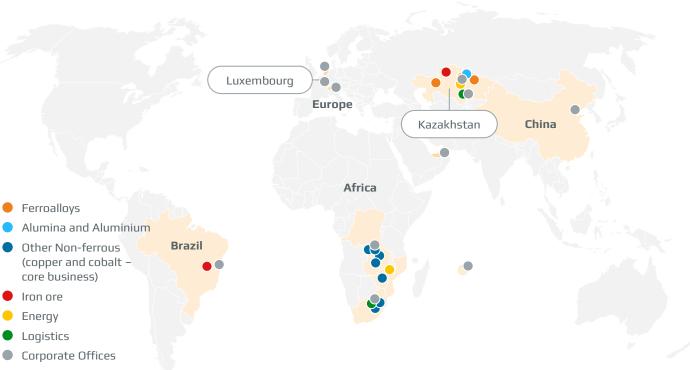
## Eurasian Resources Group: A Growing Supplier of Responsibly Sourced Critical Minerals **Enabling the Global Energy Transition**



ERG is a **leading international metals and mining group**, headquartered in **Luxembourg**, with major integrated operations in Kazakhstan and Africa across mining, processing, energy, infrastructure, logistics and marketing







#### **Global Major**

One of the world's largest producers of ferrochrome and cobalt.

A large producer of copper, iron ore and alumina.

#### **Selling Products To**

>40 countries.

>67,000 people.

#### **People Employed Directly**

#### **Global Scale** Government is a Shareholder assets in Asia,

Europe, Africa and 40% stake held America by the State of Kazakhstan

**Diversified** worldclass asset portfolio balanced between ferrous, non-ferrous and energy

#### **High Growth**

development projects

**Strong** corporate governance and highly-experienced management team

#### Robust

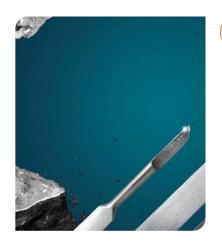
performance and resilience over the industry cycle

#### Responsibility

Sustainability, responsible sourcing and social commitments



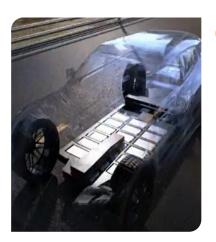
#### Metals and minerals produced by ERG play a key role in various areas of the economy and life



#### **Ferrochrome**

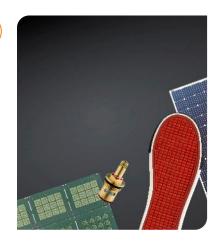
Is used for stainless steel, a core component in wind power plants (71-79% steel).

It is necessary for the production of durable steels for surgery instruments.



#### Copper

An EV requires on average around 80kg of copper – 4 times the amount necessary for a conventional gasoline powered car.



#### **Aluminium**

Is widely used in aircraft, integrated circuits and solar cells and can also be found on the soles of sports shoes.



#### **Iron Ore**

Solar panels and geothermal plants depend substantially on iron products.

Iron containing materials are also used to build houses, factories, bridges and other key infrastructure.



#### Cobalt

5-20 kg of cobalt is necessary to produce an EV Li-ion battery.



#### Energy

Steam coal and electricity. We keep industry running and provide heat and light to households. We develop wind power and other alternative energy sources.



In the face of all global challenges, the company's focus as an industry leader shifted from expansion to sustainability.

#### **STRATEGY 24-7**











Strengthening financial resilience



Increasing operational and investment efficiency



Development of key assets: modernization and further investment



Improving corporate governance

## **ERG's Core Production Regions**





Through its assets in Kazakhstan, ERG is among the world's largest producers of ferrochrome and is a major producer of iron ore in Eurasia. It is the country's only producer of alumina and primary high-grade aluminium.

ERG's enterprises enjoy highly-competitive first-quartile positions on respective global cost curves. ERG is also one of the largest electricity producers in Kazakhstan and a large railway operator in Central Asia.



This includes Metalkol, a major tailings reprocessing operation, which is one of the world's largest producers of cobalt and a large producer of copper, and Frontier, a large-scale supplier of high-quality copper concentrate.

ERG has its **own logistics supply chain** on the continent, **SABOT**. It also holds a **portfolio of assets in other minerals** such as fluorite and platinum, at different stages of development, in South Africa and Zimbabwe.

## In 2024 ERG Set Several Records, Having Produced more Ferroalloys, Alumina And Aluminium Than Ever Before in its History





Ferroalloys



Saleable copper metal and concentrate



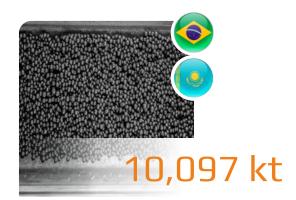
Aluminium



Coal



Saleable cobalt hydroxide



Saleable iron ore concentrate and pellets



Alumina



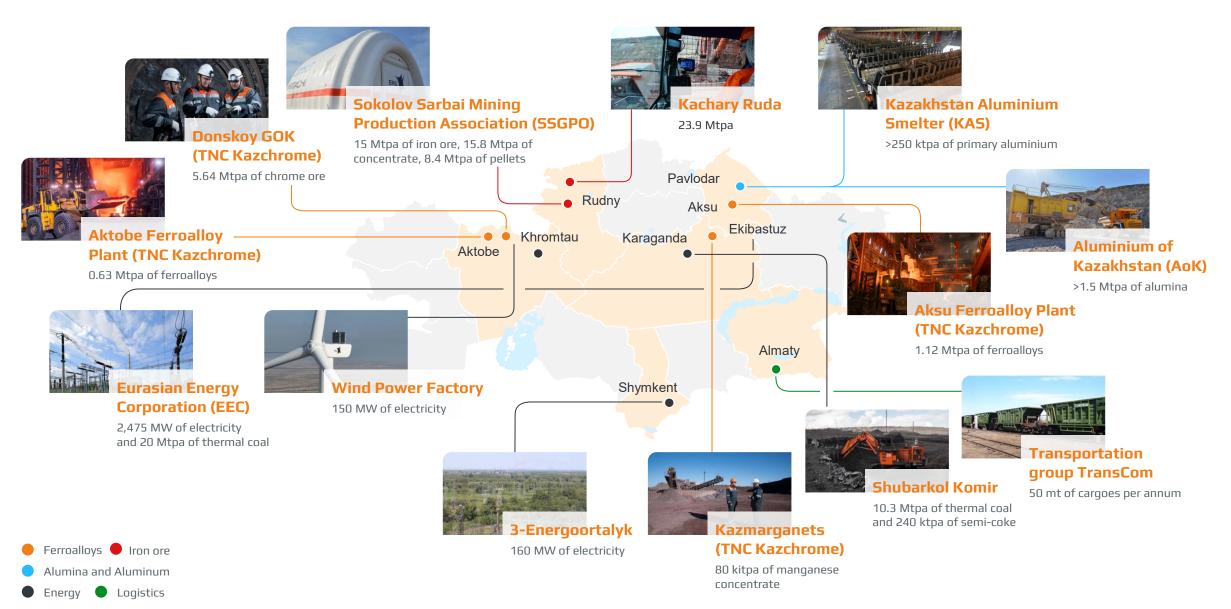
Electricity





## ERG's Operational Assets in Kazakhstan





## Development Projects 1/2



## The Bolashak Mine

(Donskoy GOK, Kazchrome)

7,5 Mtpachrome oreDesign capacity

— **1,800**New jobs

\$2.1M

Total investment in construction and the future ramping up

2Mtpa

Target production of ferroalloys

Construction of the **Wind Power Plant** in Khromtau



Design Capacity



460 GWh

Electricity generation per annum



\$142M

**Total Investment** 

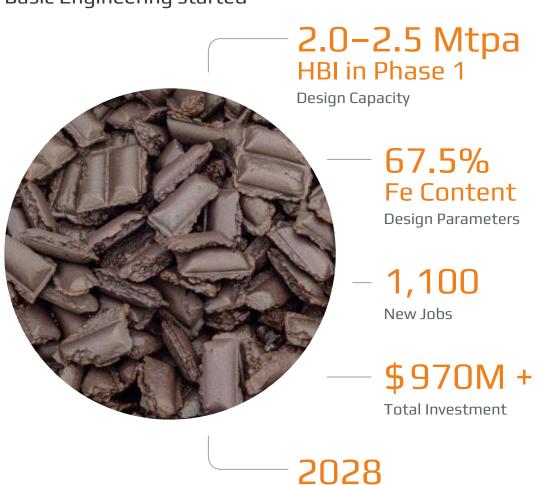
First two wind turbines

Electricity generation has already started

## Development Projects 2/2

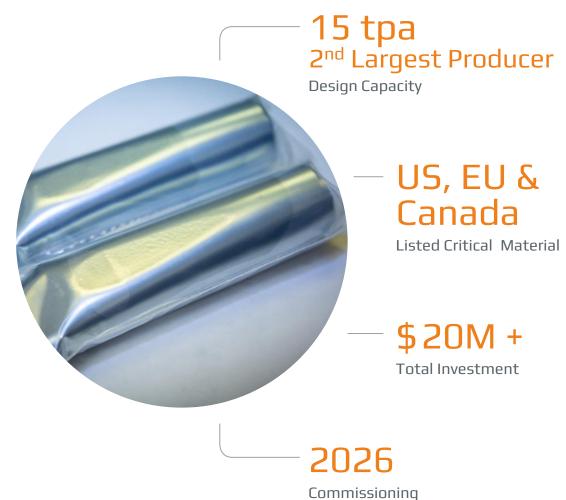


### **Hot Briquetted Iron** (HBI) **Plant** Basic Engineering started



Commissioning

#### **Gallium Production**



## ERG's Operational Assets in Africa





ERG: 90% | DRC: 10%

100+ ktpa of copper cathode, 23 ktpa cobalt in hydroxide



Phase 1: 40ktpa copper cathode and ~6ktpa cobalt. Potential for Phase 2 to double capacity

**Boss Mining** 



ERG: 95% | DRC: 5%

~100 ktpa copper in concentrate



Copper and cobalt exploration licenses in the prolific copper belt in the DRC

Kolwezi



ERG 51% | Gécamines 49%

(Currently in C&M) Historical producer of copper cathode & cobalt concentrates

Operations

Development Projects

Exploration Licenses

**ERG: 90% | Zambia 10%** 

(Currently in C&M) 55 ktpa of copper cathodes 6.8 ktpa of cobalt metal

## Iron Ore and Logistics

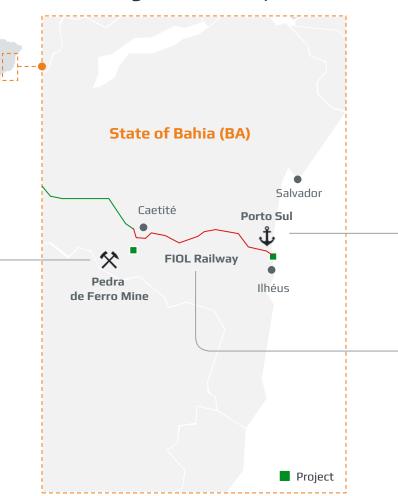


BAMIN is a large fully integrated mining and logistics project in Brazil comprising a high-quality iron ore mine, a deep-water port and a stretch of Brazil's west-east integration railway

- Positioned to make the State of Bahia the third largest iron ore producing region in Brazil.
- → Its products will have some of the highest-grade and lowest impurity iron ore in the world, helping customers to very substantially reduce carbon footprint.

### Pedra de Ferro Mine near Caetité

- Operations initially commenced in Jan 2021, shipping >65% Fe DSO Fines.
- 647 Mt JORC-certified Reserves at 40.4% Fe.
- Once full-scale project is implemented capacity to reach 26 Mtpa, with an expected life of 20+ years.
- High quality products: direct shipping ore (DSO) and direct reduction pellet feed (DRPF).
- Intended major shipper on the FIOL railway and Porto Sul route.



#### **Porto Sul**

- Multi-use deep-water port near Ilhéus, capable of handling Capesize vessels up to 220,000 dwt.
- Sole import/export point for the new West-East Integration (FIOL) Railway).
- Initial use for dry bulks (iron ore, soy, grain and fertilizer).
- Design capacity of 26 Mtpa, expandable to >40 Mtpa.

#### Stretch of the FIOL railroad

- FIOL railroad (between Caetité and Ilhéus)
   will be 537 km in length.
- Following the project's route, it will cross 20 municipalities and should handle up to 60 million tons per year with 60% of this capacity to be made available to other companies, in mining, agribusiness and other sectors.



## Digital Technology and Automation



#### **Success Stories**



- Specialised dispatch systems, advanced software and onsite
   4G networks to control the movement of operational fleet
- Decreased downtime, increased productivity by over 10% and enhanced product quality



- Idle time due to overheating down by 75% since July 2024
- Detected 80% of defects
- Savings of over \$ 300,000



 Aimed at reducing safety risks in most high-risk jobs at our production facilities

## Sustainable Development in Kazakhstan



ERG is helping to address the most **pressing needs of local communities**, **nurturing their development** and creating ecosystems for building the future of the country



#### "ERG Mektep" ("ERG for schools") educational initiative

- Supporting the ongoing improvement of STEM education in the country
- Running in Aktobe, Kostanay and Pavlodar since 2021



## ERG's environmental strategy by 2030

- 10-year programme
   @US\$480 mln to reduce air emissions in Kazakhstan
- Key goals to reduce particulate emissions by 56%, pollutant discharges by 30%, and water consumption by 33%



## The Native Town Project

 Major CSR project, which is based on a culture of participation and the principles of participatory (proactive) budgeting



## Supporting The Astana Opera

- Tours to ERG's industrial cities with performance for both adults and children
- ERG's CEO Mr
   Shukhrat Ibragimov is
   Chair of the Board of
   Trustees



### Ecosystem of Social Entrepreneurship

- Aimed at nurturing youth and students entrepreneurship
- Joint implementation with Association for the Development of Social Technologies and Almaty Management University



#### **ERG's Run Fest**

- Mass running competitions in ERG's industrial cities
- Participation of both employees and city residents

## Sustainable Development in Africa



ERG invests in **education**, **healthcare**, **infrastructure**, **sustainable farming**, **supporting alternative livelihoods**, **taking children out of mining** and **stimulating local business** 



Signing of the Metalkol Cahier des Charges with local authorities and community members

- April 2025
- Attended by the Governor of the Lualaba Province
- Nine communities to benefit



#### Dilala Training Centre in Kolwezi

- Established in partnership with other leading mining companies
- Dedicated to advancing technical and vocational training in the Lualaba Province



## Water supply project at COMIDE

- Construction of five boreholes in 2025
- Providing reliable access to clean water to directly benefit ~ 1,500 households (7,500 people)



Amenshi E Bumi water reticulation system

- In Sakania
- Commissioned in 2023



Self-sustaining, commercialised agricultural programmes

Running since 2018



Building, equipping, and providing support to schools and adult literacy centres

 Our investment in education has already benefitted more than 15,000 children in the DRC

## Responsible Sourcing



The Responsible Aluminium
Framework (RAF) provides the highest
levels of assurance to ERG's value
chain partners in line with international
standards.

ERG's Metalkol became the first tailings reprocessing site globally to commence The Copper Mark assurance process, reinforcing its commitment to sustainable development.

ERG has committed to the **Responsible Minerals Assurance Process** (RMAP) of
the **Responsible Minerals Initiative**.



It is also testament to our compliance with the LME's standards for the responsible sourcing of metals as set out in the LME Responsible Sourcing Policy. The 2024 LME Red Flag Assessment Report of KAS and the accompanied materials have been submitted to LME for determination of compliance of KAS brand with LME Responsible Sourcing Policy in August 2025.



The Copper Mark requirements **cover** all material **ESG** issues.



RESPONSIBLY PRODUCED COPPER



The RMI's mission is to provide companies with tools and resources to make sourcing decisions that improve regulatory compliance and support responsible sourcing globally.

## Responsible Sourcing | Example of the ERG Clean Cobalt & Copper Framework



We are committed to responsible production and have developed the **ERG Clean Cobalt Framework**, launched, first at Metalkol, in 2018. The Framework was extended to include Copper from 2021.

The Framework aims to drive positive outcomes for local communities in the DRC and is independently assured by PwC on an annual basis.

#### Comprises seven commitments:









## Multi-Stakeholder Collaboration: Examples of Our Projects Realised in Previous Years





force in the development of ReSource consortium to use blockchain technology to track cobalt and other battery metals from a mine to an EV.



Alliance, the world's largest multistakeholder organization in the energy storage space, together with the World Economic Forum, of which ERG has been a partner for more than 10 years, and took part in the launch of the world's first ever Battery Passport.

