

Two essential metals. One industrial vision.

An industrial vision connecting mineral resources, metallurgical transformation and global markets. Two essential value chains: aluminium and iron & steel.



The group

The group's story is rooted in the connection between mineral resources and international markets. Experience with iron ore, DRI/HBI and aluminium products informs a practical understanding of material requirements, logistics and long-term commercial relationships.

Our next chapter is structured around two industrial divisions. This focus gives mining, processing and transformation a clear place within the same strategic vision, supported by engineering, procurement and market access.

The United States entity supports international commercial relationships, while the group's Venezuelan industrial context is centred on Ciudad Guayana. The role of each entity and industrial partner is defined by the relevant engagement.

Aluminium

From bauxite and alumina to primary metal and advanced transformation, aluminium connects mineral resources with transport, construction, electrical systems and manufacturing.

01

Bauxite mining

The mineral foundation of the aluminium value chain.

02

Alumina refining

Transforming bauxite into the oxide that feeds primary aluminium production.

03

Primary aluminium

Electrolytic reduction turns alumina into liquid aluminium.

04

Casting & alloys

Giving liquid metal the composition and form needed for its next application.

05

Rolling & extrusion

Engineering the shape, thickness and properties of aluminium.

06

Finished aluminium products

Connecting aluminium's versatility with real industrial requirements.

Iron & steel

From iron-bearing ore to reduced iron, steelmaking and rolled products: a connected value chain behind infrastructure, machinery and modern manufacturing.

01

Iron ore mining

Accessing the mineral resource that begins the ferrous value chain.

02

Preparation & beneficiation

Preparing iron ore for commercial use and further transformation.

03

Pelletising

Preparing a consistent feed for downstream ironmaking.

04

Direct reduction & HBI

Removing oxygen from iron ore before the steelmaking stage.

05

Steelmaking & casting

From metallic feed to controlled steel composition and cast forms.

06

Rolling & finished steel

Transforming cast steel into products for construction and manufacturing.

Industrial Operations

Mining, engineering, operation, maintenance, procurement, technology, human resources, and strategic management: the functions that connect mineral resources with the finished product.

Mining and resource development

Geology, sampling, and mine planning · Extraction, transport, and blend control · Mine infrastructure and fleet management

Engineering and facility development

Diagnosis, conceptual, and detailed engineering · Discipline integration and change control · Equipment documentation and handover to operations

Production planning and coordination

Campaign and load scheduling · Balance between feed, process, and storage · Incident logging and inter-shift coordination

Energy and auxiliary services

Electrical distribution and rectification · Process water, cooling, and compressed air · Fuels, steam, and industrial gases

Laboratory, quality, and traceability

Sampling and analysis by stage · Identification of batches and in-process material · Inspection and documentary product release

Maintenance and asset reliability

Inspection and condition monitoring · Shutdown and intervention planning · Critical spare parts and technical documentation

Material handling and industrial logistics

Reception, yards, and internal transfers · Road, rail, and river coordination · Batch preparation and dispatch scheduling

Procurement, supply, and technical warehouse

Specifications and technical homologation · Reception, preservation, and location · Consumption associated with equipment and work orders

Technology, automation, and industrial information

Instrumentation, control, and process supervision · Production data, consumption, and traceability · System integration and technological continuity

Human resources and industrial organization

Staffing planning and shift organization · Technical training and knowledge transfer · Team leadership, communication, and safety culture

Preparation, commissioning, and stabilization

Equipment and service verification · Tests and acceptance criteria · Stabilization, monitoring, and handover to operations

Strategic management and industrial leadership

Project portfolio and investment priorities · Performance indicators and results review · Technical, financial, and commercial coordination

Technology

Technology creates value when it improves the reliability, visibility and performance of a real industrial process.

Projects

The Plan Bolívar 2027–2057 is an industrial recovery proposal developed around the iron and aluminium chains of Guayana. Its central approach separates technical preparation from production activation, with commissioning dependent on available energy and verified operating conditions.

Public corporate overview. Project descriptions express development priorities; they are not statements of ownership or commissioned production capacity.

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