



GREEN ALUMINUM TRANSFORMATION COMPLEX COLOMBIA



**SUSTAINABLE
DEVELOPMENT GOALS**

**The aluminum
industry will boost
the Sustainable
Development Goals
in Colombia.**



Aluminum is strategic for the Energy Transition

✓ **Climate Action.**

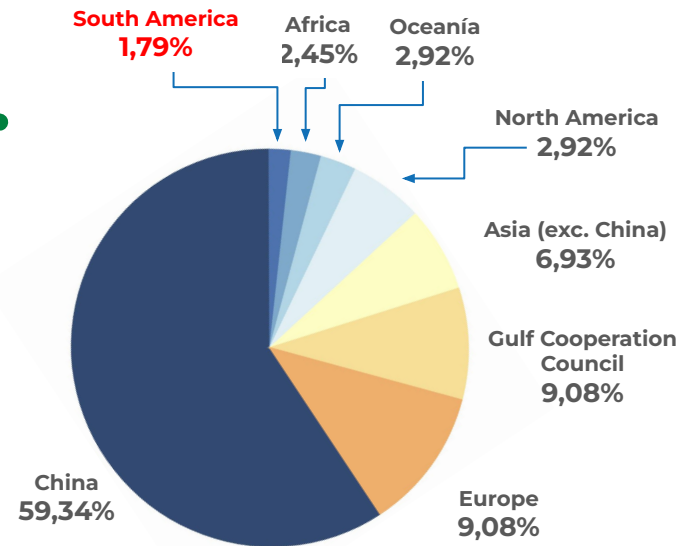
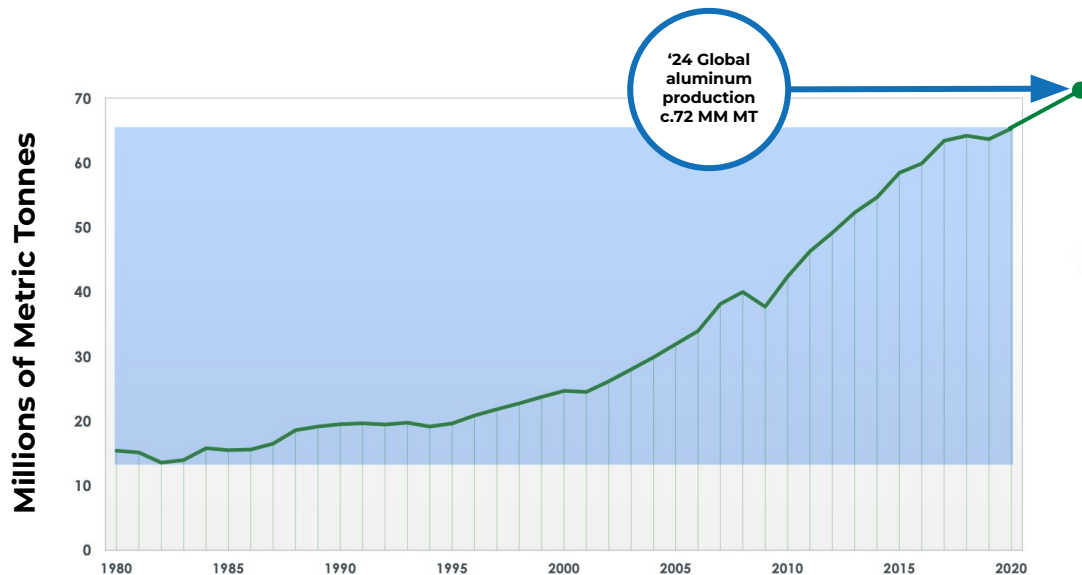
✓ **Comprehensive
development and
formalization of
employment.**

✓ **Industry, Innovation,
Tourism and
infrastructure.**

✓ **Regional Development
and diversification of the
economy.**

✓ **Productive
transformation and
poverty reduction.**

✓ **Justice and Peace.**



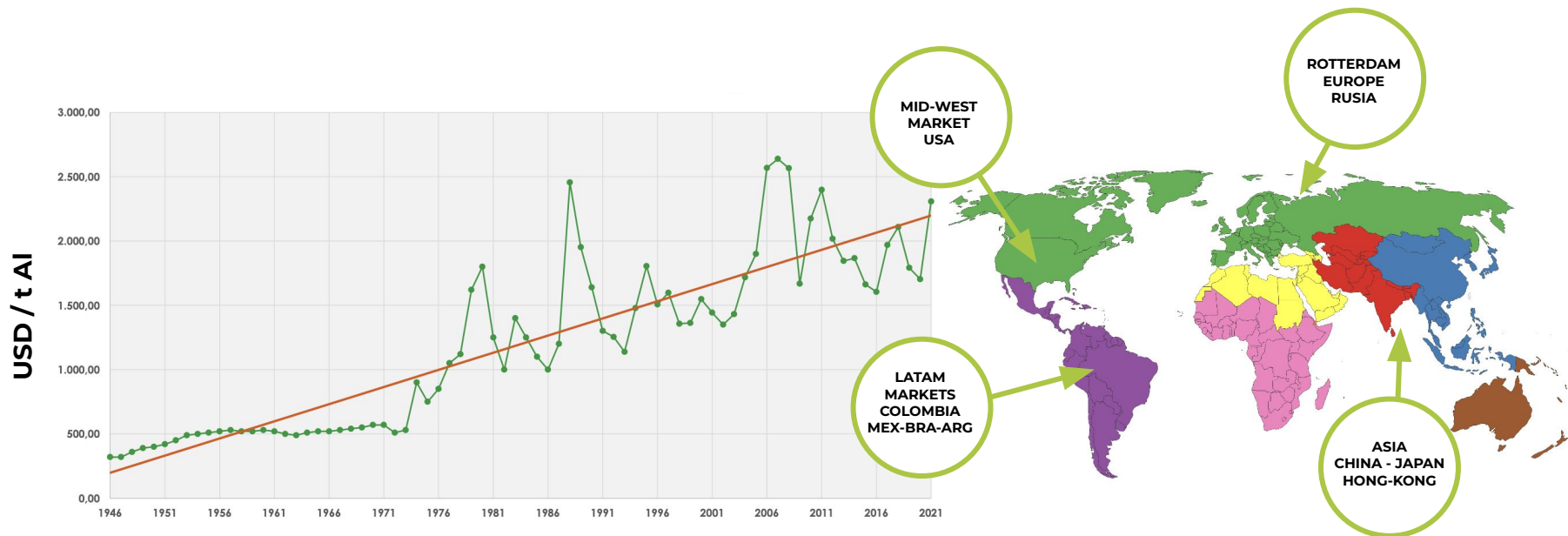
- South America is the region with the lowest production rate.

- China is the largest producer, with 82% of its production **based on Coal**

HOW IS ALUMINUM TRADED ?

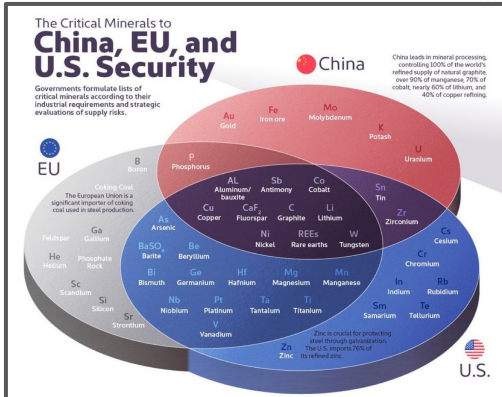
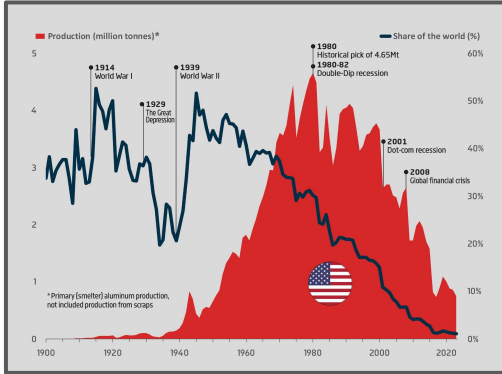
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Price CASH - London Metal Exchange **LME**



- The aluminum sector must produce an additional capacity of 33.3 Million TPY, to satisfy the growth in demand in the industrial sectors.
- World demand for Aluminum will increase c. 40% by 2030.

Strategic importance for US National Security



**MID-WEST
MARKET
USA**

**SOUTH
AMERICA
COLOMBIA
BRA-ARG**

c.70%

**of GALTCO's Colombian-produced
Green & Low Carbon primary
Aluminum will serve
the American market.
c.210,000 TPY**

**While the remaining 30%
will cater to domestic and South
American demand.**

- **Geographical Advantage:** Strategic access to both North and South American markets.
- **Market Demand:** The American market's 4MM TPY deficit.
- **Nearshoring Policies:** The American market willingness to transfer industrial and business activities to nearby countries.
- **Trade advantages:** through lower import costs, tariff savings, bolstering the domestic aluminum industry.
-  **FTA:** Free Trade Agreement with the USA, enhance competitiveness in the American market.
- **Raw materials and supplies access:** Alumina production facilities in (Brazil / Jamaica)
- **Energy Resources:** Colombia has access to various energy sources, such as hydroelectric power, which can be advantageous for energy-intensive aluminum smelting processes.
- **Potential for Downstream Industries:** The presence of a local aluminum smelter can attract downstream industries that rely on aluminum as a raw material, further boosting industrial and economic growth.
- **Young population with an admirable culture, education and an extraordinary work ethic:** Colombia has one of the best educated workforces in LATAM.

Advantages

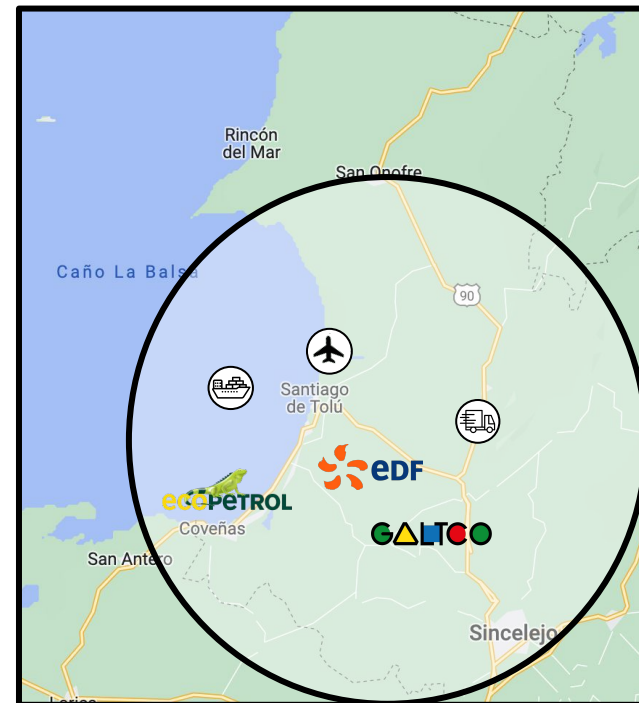
- The proximity to the **Chinú Substation**, allowing a robust and reliable connection to the Colombian grid and its **renewable energy** sources.
- The high rate of **solar radiation** in the region.
- Presence of important **gas deposits**.
- The existence of an **operational Port** with natural draft.
- Proximity to the **Panamá canal**.
- Strategic location for future development of **green hydrogen** and other electro-intensive industries.

Benefits

- **Long-term peace and social justice** through productive development and the creation of formal jobs.
- Development of **tourism infrastructure**.
- Generation of **corporate social responsibility programs**.
- Increase in the financial contributions of the Department of Sucre to the national domestic product.



[MORROSQUILLO GULF, DEPARTAMENTO DE SUCRE, COLOMBIA.](#)



WHAT IS NEEDED TO PRODUCE ALUMINUM in COLOMBIA?

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GOV



- SUPPORT - ENERGY DECREE - PINE

EQUITY



- DEVELOPER.
- PRIMARY ALUMINUM OFFTAKER.
- BFS INVESTOR.

EQUITY



- PRIVATE EQUITY INVESTOR.
- BFS INVESTOR.

EQUITY



- FINANCIAL INSTITUTION - DEBT FINANCING

INDUSTRIAL COMPLEX FOR LOW-CARBON ALUMINUM PRODUCTION IN COLOMBIA

With an installed capacity of
c.350,000TPY

The estimated cost of the aluminum smelter is 1.1 billion

(*) Definitive installed capacity will be determined in the BFS. Contingent upon CAPEX requirements and project stakeholders approval

GALTCO is a completely new industrial complex for the production and transformation of Aluminum in Colombia.

Governed by the highest standards of **social and environmental responsibility**.

Located in the **Gulf of Morrosquillo**, Department of Sucre, Colombia.

In alliance with **EDF Electricité de France** for the marketing and supply of energy.

ENERGY



- ENERGY TRADING PROVIDER.
- SOLAR SELF-GENERATION.
- COMBINED CYCLE GAS TURBINE PLANT CCGT.
- GRID CONNECTION.

TECHNOLOGY



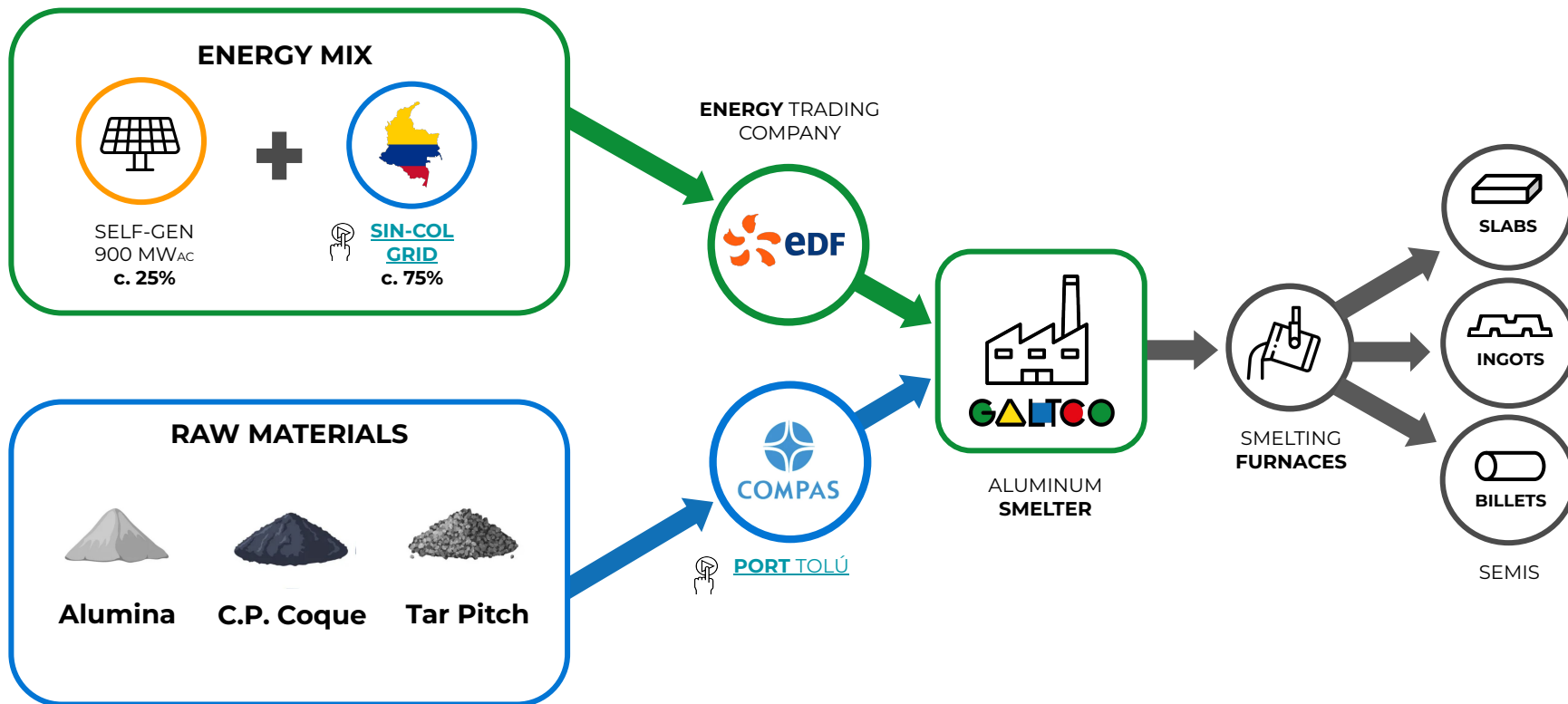
- TECHNICAL EXPERTISE AND SUPPORT IN FRONT END LOADING FEL 03.
- BASIC FRONT END STUDY (BFS).
- CONSTRUCTION, START UP.
- OPERATIONAL RAMP-UP.

FEL03



- BFS CONTRACTOR FOR THE FEL03 (DETAILED ENGINEERING)
- OFFICES IN BOGOTÁ - MEDELLÍN - VILLAVICENCIO (+300 ENGINEERS IN COL.)

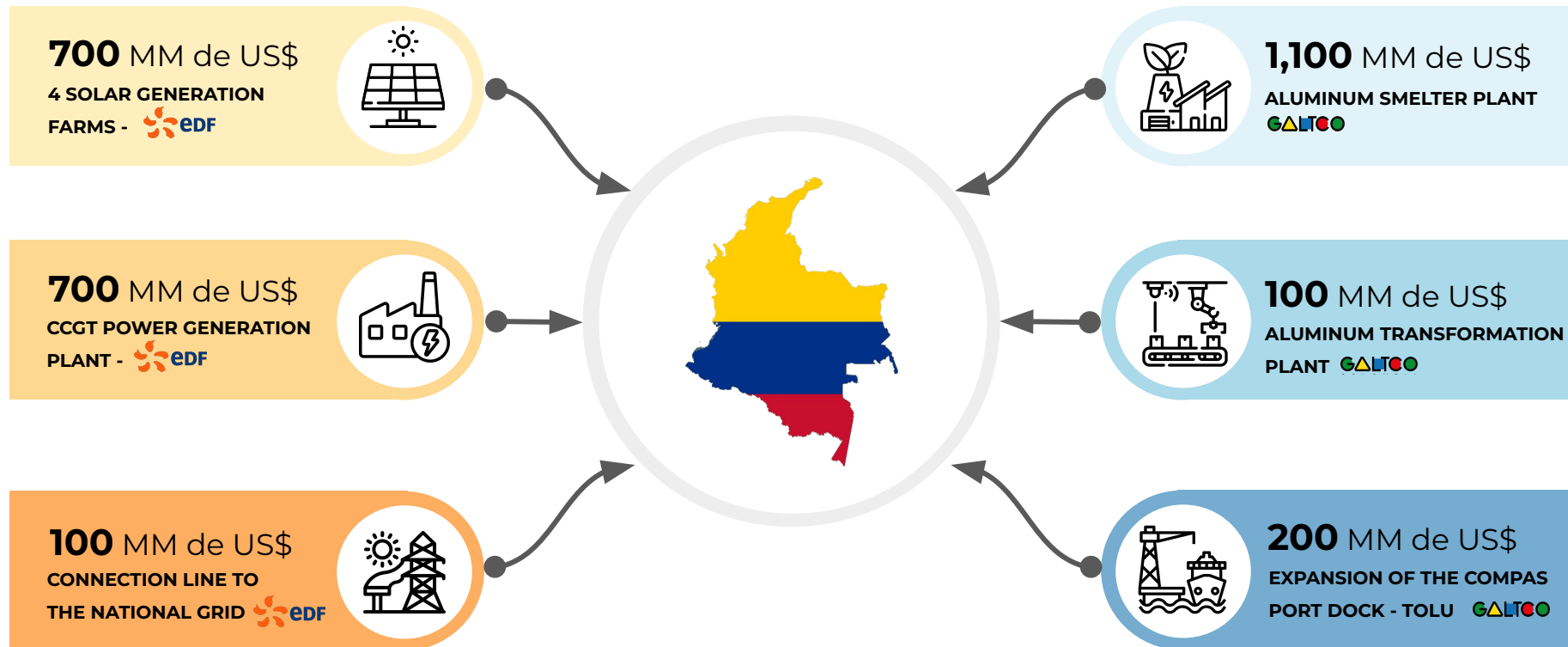
Sourced from 77% to 91% renewable energy¹



WHAT WILL ALUMINUM BRING TO COLOMBIA?

Investments Estimates (Class V)

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Impacts



GALTCO in alliance with EDF have structured the **Electro Intensive Industrial Project for Primary Aluminum Production**, associated with the construction of the Electrical infrastructure essential for its viability and operation.

Harmonizing with goals, plans, programs and projects of the National Development Plan 2022-2026

"Colombia Potencia Mundial de la Vida"



ECONOMIC

- ✓ GALTCO will promote economic growth and **job creation in Colombia**.
- ✓ GALTCO will be the **largest private investment in decades**.
- ✓ GALTCO will **reduce the trade deficit** and increase exports.



SOCIAL

- ✓ The aluminum industry will prioritize **sustainable socioeconomic models**.
- ✓ Aluminum plays a strategic role in the **energy transition**.
- ✓ GALTCO promotes **training, local hiring and fair wages**.



COMMERCIAL

- ✓ The aluminum industry transforms linear economic models into **circular systems**.
- ✓ Aluminum will make the **national energy sector more competitive** and sustainable.
- ✓ GALTCO will promote **inclusive supply chains** with the industrial and commercial fabric of Colombia.

