



FROM MINE TO GLOBAL MARKET

Integrated mining, logistics, refining
and international marketing value
chain.

TECNOLOGÍA • SEGURIDAD • SOSTENIBILIDAD • VALOR



ONE MODEL CONNECTS FOUR CRITICAL CAPABILITIES

The advantage lies in integrating end-to-end operational control



01

MINE

Responsible exploration,
extraction and
concentration.



02

FLANDES HUB

Receiving, analysis,
classification and
consolidation.



03

KION REFINERY

Purification, refining and
highest-purity products.



04

GLOBAL MARKET

Secure marketing and
delivery to the customer.

SUSTAINABILITY



SECURITY



TECHNOLOGY



LONG-TERM VALUE

MINING SCALE IS BUILT ON A DIVERSIFIED PORTFOLIO

35,000

TONNES / DAY

Production target

- GOLD
- SILVER
- COPPER / PGM
- RARE EARTHS
- EMERALDS



EXPLORATION → EXTRACTION → DRILLING → BLASTING → LOADING → TRANSPORT

Modern, controlled operation focused on maximizing resource value.

Safe methods • Cutting-edge technology • Responsible environmental management

PRE-CONCENTRATION AT THE MINE REDUCES VOLUME AND INCREASES VALUE



The objective is to transport less material and concentrate more value at the source.





A CHAIN OF CUSTODY PROTECTS EVERY MOVEMENT

Continuous control from the mine to international shipment.

- 01 — MINE
- 02 — REGIONAL CENTER
- 03 — LABORATORY
- 04 — SEALING
- 05 — CUSTODY
- 06 — AIRPORT

GPS + SATELLITE · TAMPER-PROOF SEALS · 24/7 MONITORING



KION GLOBAL METAL LOGISTICS HUB

Flandes International Airport · Tolima

Flandes centralizes control, quality and international dispatch

A strategic gateway between the mines and global markets.

Documented receiving, analysis, classification, custody and air dispatch at a single control point



1

RECEIVING

2

WEIGHING

3

LABORATORY

4

SCANNING

5

CLASSIFICATION

6

SECURITY

7

VAULT

THE LABORATORY TURNS MINERALOGICAL DATA INTO DECISIONS



Analytical precision, traceability and intelligent classification to maximize recovery.

- ❖ **Higher recovery: prioritizes higher-value minerals.**
- ❖ **Less waste: reduces unnecessary material and costs.**
- ❖ **Greater confidence: auditable results and quality control.**

ICP-MS

XRF

XRD

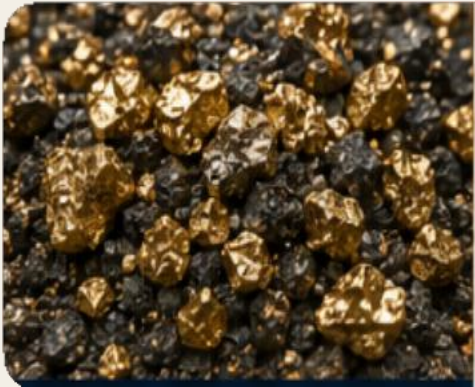
FIRE ASSAY

QEMSCAN

QA / QC

THE RESULT: PREMIUM CONCENTRATES READY FOR REFINING

Higher grade per tonne shipped, with clear specifications and traceability of origin.



GOLD

50–150 g/t Au

Moisture < 1%

50 kg bag



SILVER

1.000–5.000 g/t Ag

Moisture < 1%

50 kg bag



PGM

5–50 g/t

Moisture < 1%

50 kg bag



RARE EARTHS

10%–60% REO

Moisture < 1%

50 kg bag



SPECIALTY METALS

Alta concentración

Moisture < 1%

50 kg bag

HIGHER VALUE · LOWER COST · GREATER EFFICIENCY · FULL TRACEABILITY



THE FLANDES–PANAMA CORRIDOR INTEGRATES LOGISTICS AND REFINING

FLANDES  **PANAMÁ**

Secure air transport of concentrates from the hub to the refining logistics zone.

REFINING PROCESS

01 Receiving

02 Smelting

03 Refining

04 Electrorefining

05 Purification

06 Casting

CLEAN PROCESSES • CYANIDE-FREE • MERCURY-FREE



CERTIFIED PURITY AND WORLD-CLASS CUSTODY



99.99%

TARGET PURITY

100 t

VAULT CAPACITY

FINAL PRODUCTS

Bars · Granules · Metal powders · Strategic metals · Rare earths

24/7 monitoring · Biometric access control · Seismic and fire protection



MARKETING CONNECTS PRODUCTION WITH GLOBAL MARKETS

Certified quality, transparency and international logistics to maximize value.

- 01 — LONDON
- 02 — SWITZERLAND
- 03 — DUBAI
- 04 — UNITED STATES
- 05 — SINGAPORE

GLOBAL REACH • TRUST • EFFICIENCY



MONABIT EXTENDS TRACEABILITY TO THE FINANCIAL LAYER



INTEGRATED FINANCIAL PLATFORM

Innovation that transforms.
Technology that connects.
Borderless finance.

SECURE · FAST · GLOBAL

- 01 BLOCKCHAIN**
Secure and immutable transaction records.
- 02 INTERNATIONAL PAYMENTS**
Fast, multi-currency global transfers.
- 03 TRACEABILITY**
Real-time tracking of origin, destination, and compliance
- 04 COMPLIANCE**
KYC, AML, AND GLOBAL FINANCIAL STANDARDS CONTROLS.

KION TURNS RESOURCES INTO GLOBAL VALUE



An integrated, secure and traceable end-to-end value chain.



TECHNOLOGY + SAFETY + SUSTAINABILITY + EXECUTION

A model designed to scale, protect value and compete globally.



THE NEXT GLOBAL BENCHMARK

IN INTEGRATED MINING

- We connect resources.
 - We create value.
- We build the future.

www.kionresources.com

