



A NEW GLOBAL BENCHMARK IN MULTIMETAL REFINING

Technology • Purity • Security • Traceability • Markets

From authorized concentrates to
the highest-value
metals.

PANAMÁ PACIFIC + VERACRUZ



PROJECT SCALE

The industrial scale is already defined



A refining, logistics and urban development platform designed to compete on a global scale.

USD 2.5 BN

conceptual total investment

1.500 t/day

conceptual concentrate capacity

547.500 t/year

theoretical equivalent at 365 days

5.000 homes

planned residential program in Veracruz

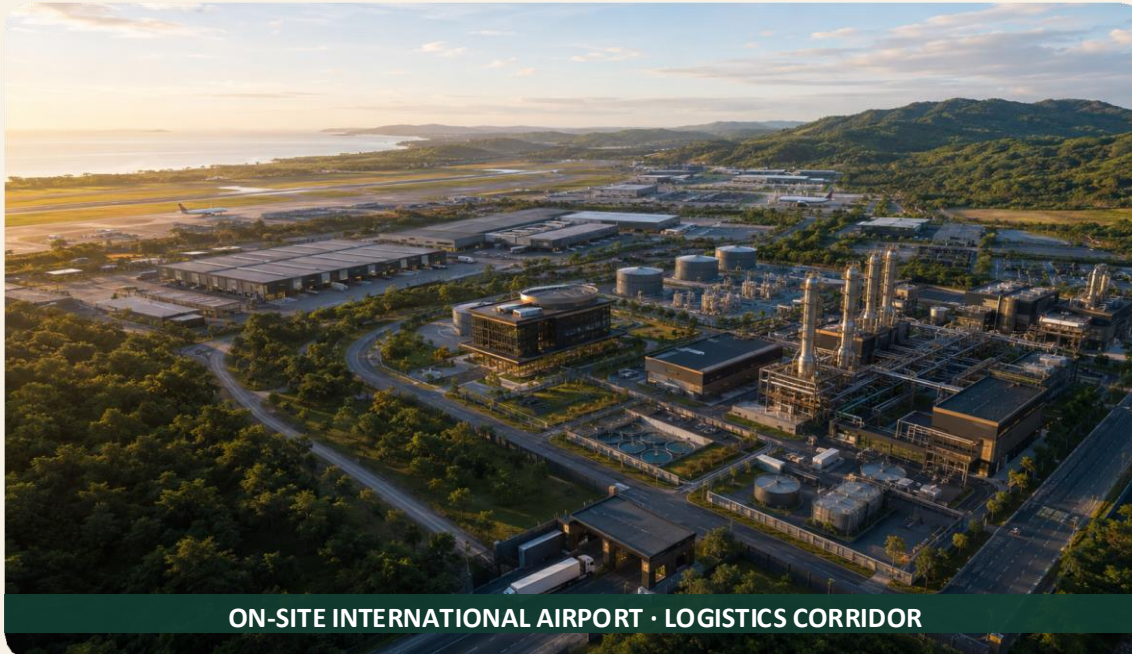
Conceptual figures subject to engineering, permits, final budget and schedule.

STRATEGIC LOCATION

Panama Pacific connects industry, airport and markets



Two coordinated sites. One integrated territorial framework



PANAMÁ PACIFIC

Refinery, laboratory, vault, security and international logistics connectivity.



VERACRUZ

Residential program linked by corporate transport and phased urban development.

REGIONAL ECOSYSTEM

Airport · logistics · 400+ companies · talent · services

Development subject to land-use compatibility, environmental permits and engineering validation.

INTEGRATED PLATFORM

More than a refinery: a high-value ecosystem



Seven capabilities transform authorized concentrates into certified metals for global markets.

MULTIMETAL REFINING

Laboratories + R&D
Automation + AI
Vault + custody
International logistics
Global markets



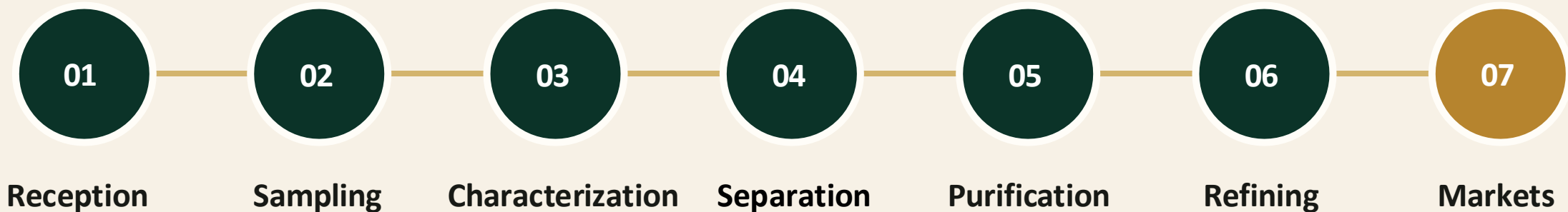
KION Residencial Veracruz completes the project's human dimension.

INDUSTRIAL PROCESS

Integration transforms concentrates into highest-purity metals



A modular sequence defines the right metallurgical route for each lot.



OUTCOME

Full traceability · Higher recovery · Quality control · Direct market access

Planned technologies: solvent extraction, ion exchange, selective precipitation, electrowinning and electrorefining.

STRATEGIC INFRASTRUCTURE

Two developments connect industry and well-being



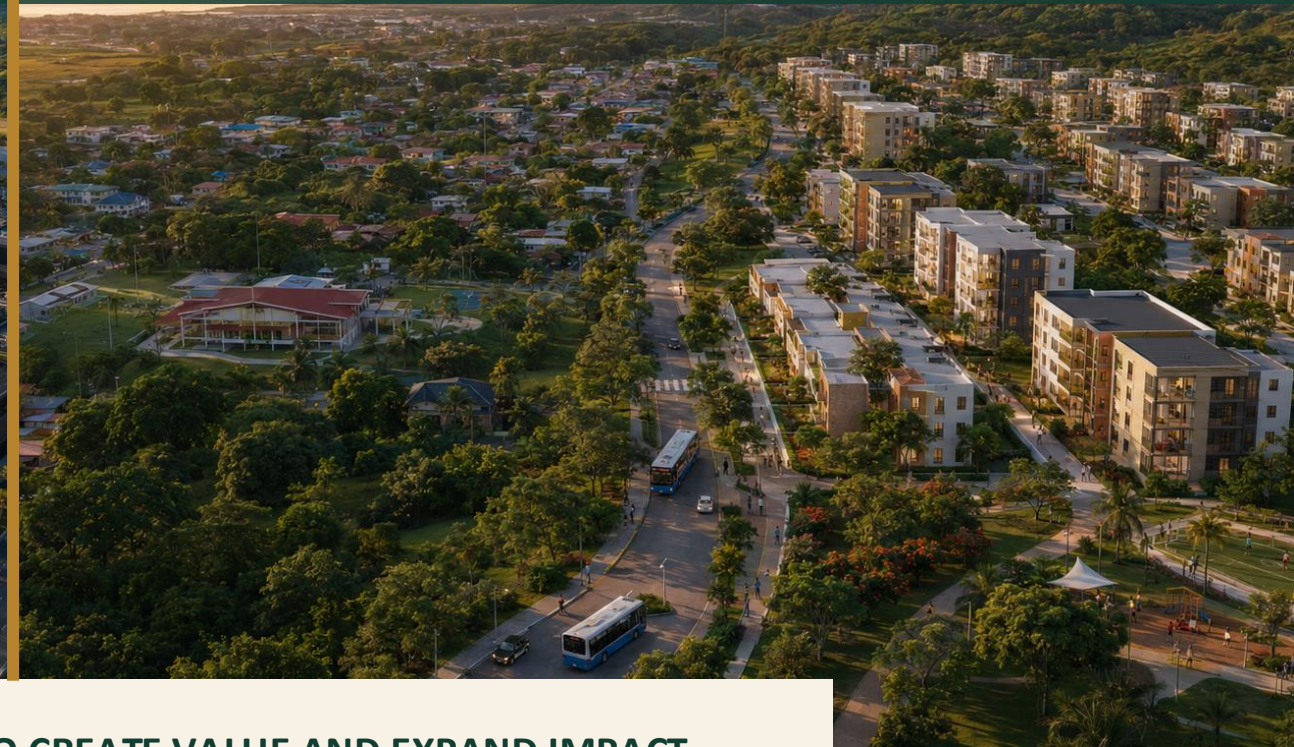
PANAMÁ PACIFIC

Refinery · laboratory · vault · logistics



VERACRUZ

5.000 homes · education · health · community



ONE TERRITORIAL FRAMEWORK TO CREATE VALUE AND EXPAND IMPACT

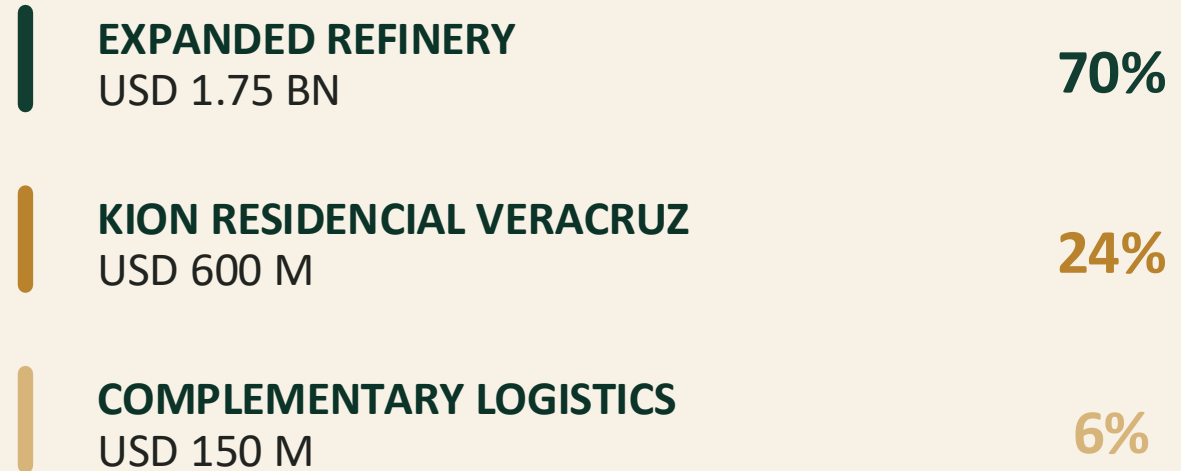
INVESTMENT ALLOCATION

How USD 2.5 billion is allocated



Conceptual budget by component
• USD millions and share

USD 2.5 BILLION



THE INVESTMENT FUNDS

Industry, technology, security, logistics and urban development..

Conceptual figures; percentages calculated on USD 2.5 billion..

CAPACITY AND PRODUCTS

Production scale connects concentrates to certified metal



1.500

tonnes of concentrates per day

547.500

theoretical tonnes per year

UP TO 800
kg/day

refined gold reference, subject to grade,
mineralogy and recovery



Final metal capacity must be sized through metallurgical balances using actual feed.

TECHNOLOGY + SCIENCE

One operating system for better refining



Each lot is analyzed before its metallurgical route is defined; every critical variable is monitored in real time.

01 Automation and artificial intelligence

02 PLC / SCADA, digital twin and advanced analytics

03 ICP-MS, XRF, XRD, SEM and fire-assay laboratory

04 R&D, predictive maintenance and digital traceability



DIGITAL REFINERY



WORLD-CLASS LABORATORY

SUSTAINABILITY + SECURITY

The license to operate is designed from day one



GREEN REFINERY

0 mercury · 0 cyanide

>95% target water recirculation

Integrated effluent treatment, reagent recovery and emissions monitoring.



INTERNATIONAL SECURITY

Vault for up to 100 t of gold

24/7 monitoring · biometrics · chain of custody

High-security perimeters, cybersecurity and individual traceability for every lot.

TERRITORIAL IMPACT

Investment also builds communities, jobs and capabilities

KION Residencial Veracruz extends the industrial project to support workers, families and communities.

5.000

planned homes

≈ 5.000

direct construction jobs

≈ 2.500

direct operating jobs

>10.000 + linked jobs



Conceptual projections subject to investment phases, permits and final schedule.

COMPETITIVE DIFFERENTIATION

The advantage: integrating what others must coordinate



Scale can be financed. Industrial integration must be built.

- | | | |
|----|----------------------------------|---|
| 01 | MULTIMETALS | Gold, silver, PGM, strategic metals and rare earths. |
| 02 | INTERNATIONAL LOGISTICS | On-site airport, logistics corridor and traceability. |
| 03 | SCIENCE + INDUSTRY 4.0 | Laboratory, automation, AI and proprietary research. |
| 04 | SUSTAINABILITY + SECURITY | Clean processes, vault, custody and 24/7 control. |
| 05 | TERRITORIAL IMPACT | Industry, housing, jobs and community development.. |

**POSITIONING: A FUTURE GLOBAL BENCHMARK IN RESPONSIBLE
MULTIMETAL REFINING**



THE NEXT GLOBAL BENCHMARK

IN MULTIMETAL REFINING

We refine through science.
We protect through
technology.
We create value for Panama
and the world.

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