



ORIZZONT
DESCHIS
SRL.

Q3/2026

“one man’s trash is
another man’s treasure.”
- Hector Urquhart

OVERVIEW

Our company
Presence
Vision



1

2



OPERATIONS

Pollution
Processing
Future

KEYS TO SUCCESS

USP
Connecting industries
Sustainability
Circular Economy



3

OUR COMPANY

HISTORY

Founded in 2015 and headquartered in Bucharest with operational facilities in Chişinău, Orizont Deschis combines resource access, sampling, assay verification, recovery testing, process development, transaction structuring, and commercial routing.

MISSION

Our proprietary technological process to recover precious metals and platinum group metals from roasted iron pyrite waste made the company not only an innovative leader in the recycling of precious metals but also a frontrunner in the clean up of a major waste problem in Romania.

OUR PLAN

CURRENT

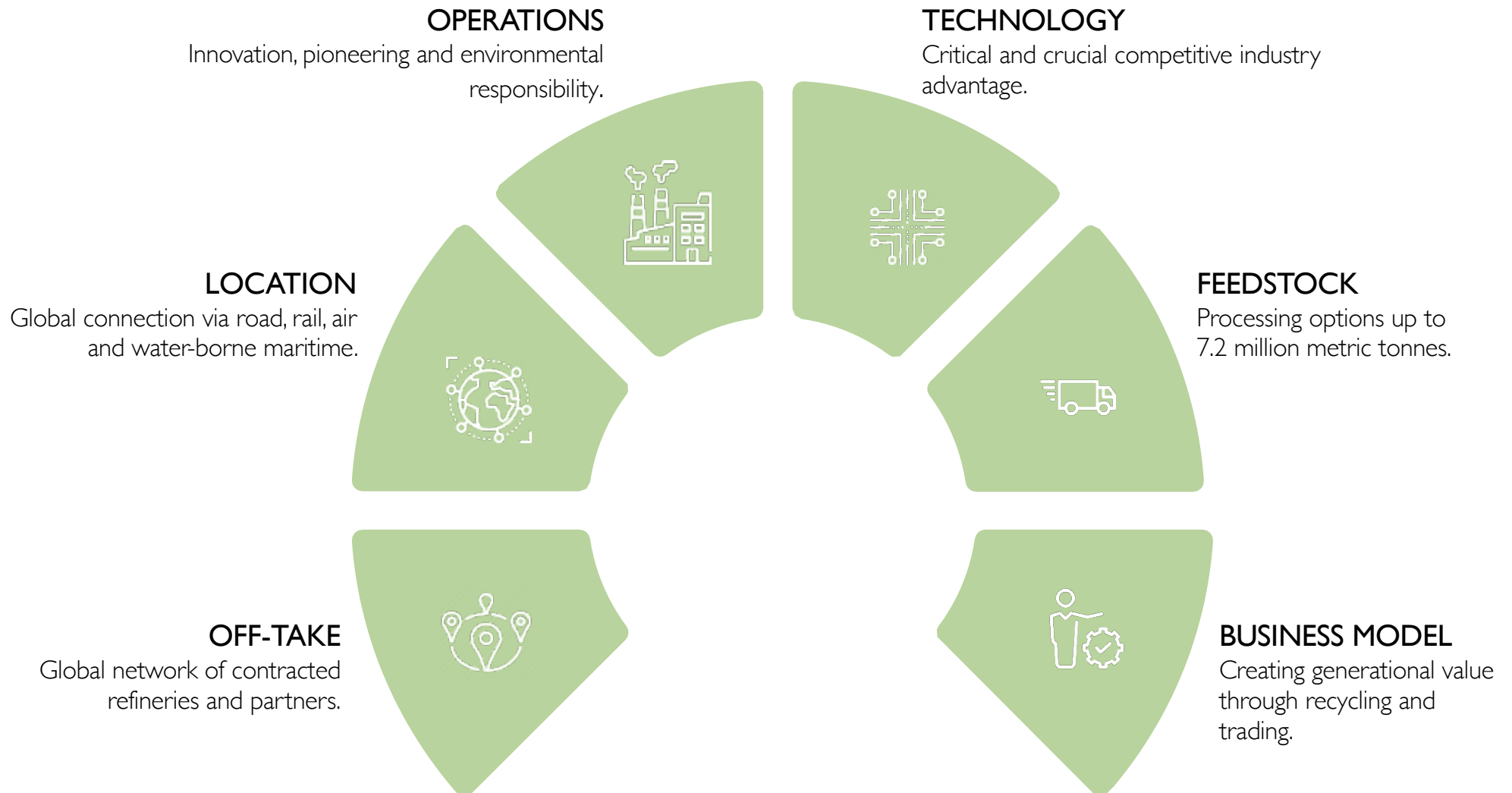
We work with complex industrial residues and secondary metal-bearing materials. Many of these materials contain PM/PGMs, strategic metals and base metals, but are difficult to evaluate because of heterogeneity, complex mineralogy, and analytical bias.

Our dual focus on environmental sustainability and economic value creation positions us as a key player in this domain, aligning perfectly with the vision for industrial diversification and green initiatives.

PRESENCE



EMPOWERED BY VISION



POLLUTION

2

HISTORY

Decades of pyrite (FeS_2) roasting for sulfuric acid in Romania left a refractory ash that concentrated precious and critical metals.

These activities have a consistent formation process and history that informs the mineralogy and geochemistry of the resulting industrial tailings waste present today.

CHALLENGE

The roasted iron pyrite ash consistently expresses a triple-encapsulation architecture: Au/Ag and Au/PGM tellurides as cores, magnetite/hematite shells, and an outer jarosite cement that can be further glazed by silica.

This microtexture explains the long-standing analytical paradox in which traditional assays underreport the precious metals present.

SOLUTION

Our three laboratory methods resolve the bias and establish defensible grades for Romanian roasted pyrite ash:

- Scorification assay with silver inquart to exhaustion: iterative re-smelts that strip residual Au from refractory slags.
- Five-flux fusion and variant: Developed at Chem-Chek laboratory, this sample preparation method yields strong performance for precious metals detection.
- KOH-SIZ flux basic-reductive flux with Fe & Zn to deal with jarosite, iron oxides and tellurides using silver as a collector.

PROCESSING

2

Orizont Deschis has invested more than \$6 million in the construction of a facility to process and concentrate roasted iron pyrite tailings, the laboratory resources to support daily operations, and the establishment of a team uniquely qualified to work with this complex material.

5000 m²

Processing facility

\$ 50k

Min. recovery value / ton

205k tons

Feedstock

\$ 62m

Processed reserves

7.2m tons

Optioned feedstock

+\$ 10bn

Unprocessed reserves



FUTURE

2

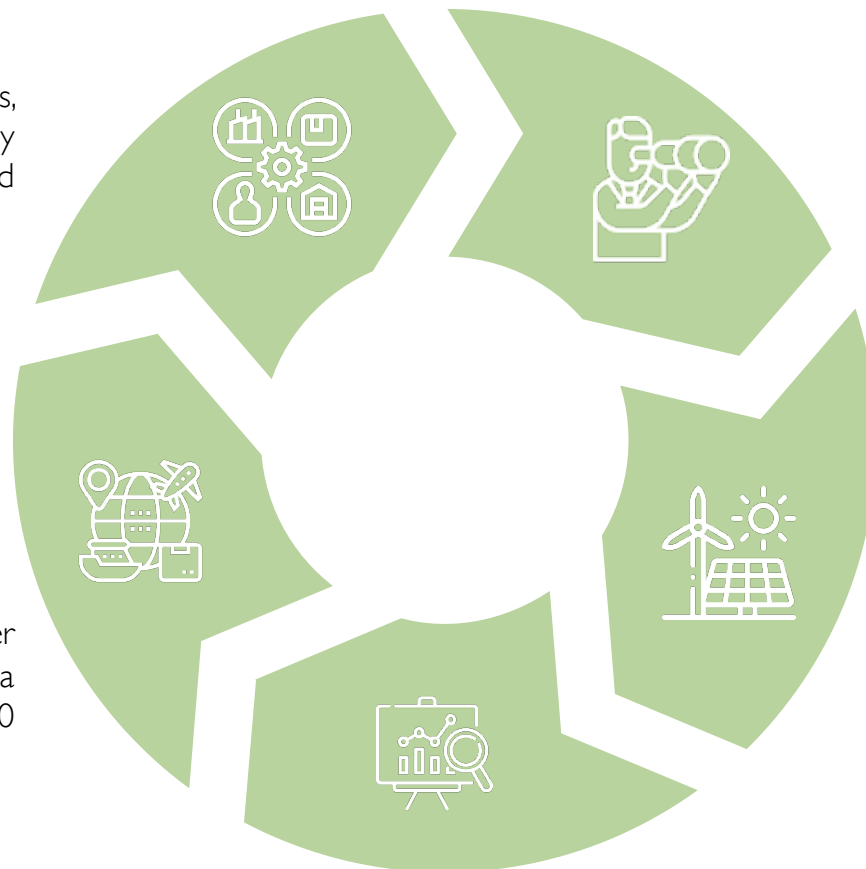
Orizont Deschis is a well-established company with a strong track record of creating shareholder value, and it further aims to increase investments in:

INTEGRATION

Industries with precious metals, platinum group metals, machinery and equipment, smelting and refining, trading.

INTERNATIONAL EXPANSION

Partnership to build a smelter and refinery facility with a processing capacity up to 10'000 tons per year.



ENVIRONMENT

Development of hyper accumulator plants to halt airborne environmental emissions and prevents leaching of metals into the groundwater.

RENEWABLES

Concretization of our renewable energy agenda.

DETECTION

Our work has focused on difficult polymetallic matrices where conventional assay and recovery methods often under-report or fail, so we approach these materials with particular attention to sampling, phase behaviour, dissolution chemistry, concentration and recovery verification.

RECOVERY

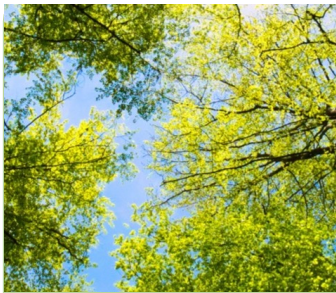
Orizont Deschis has created both hydro and pyrometallurgical systems to recover PM/PGM from the mineral concentrates we produce.

CONCENTRATE

Our technological process allows us to concentrate the PM/PGM found within pyrite to a mineral concentrate many times higher in recoverable value than the original head ore.

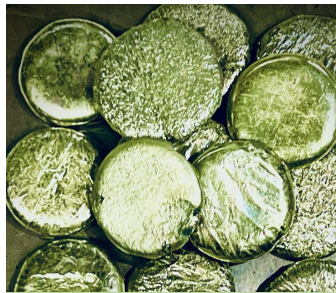
- Transformation of hazardous head ore into material that can be safely stored, transported, and sold.
- Circular economy - remaining waste becomes environmentally safe for re-use as aggregates.
- Recycles up to 70% of the water used in the concentration process.
- Zero airborne environmental pollution.

CONNECTING INDUSTRIES



RECYCLING

We offer environmentally responsible solutions to transform hazardous material into concentrate that can be safely stored, transported and sold.



REFINING

We have partnered up with multiple precious metal smelters and refineries for further processing our mineral concentrates.



TRADING

We are offering bauxite residue, zinc solids, catalytic sweeps, slags, ashes, filter cakes, and other polymetallic streams. Our materials contain PM/PGMs, strategic metals, and base metals.



LABORATORY

The need to establish a new international standard assay protocol for this type of industrial more complex ores as recycled materials.



R&D

Creation of an ecosystem with world-renowned specialists in recycling and recovery of precious metals from complex matrices.

SUSTAINABILITY

3

RECYCLING

- makes a considerable contribution to protecting the environment.
- means sustainability, because raw material.
- means real money, because PM/PGM(gold, silver, palladium, rhodium, platinum, iridium, and ruthenium) are too valuable to waste.
- enormous potential of unused resources.

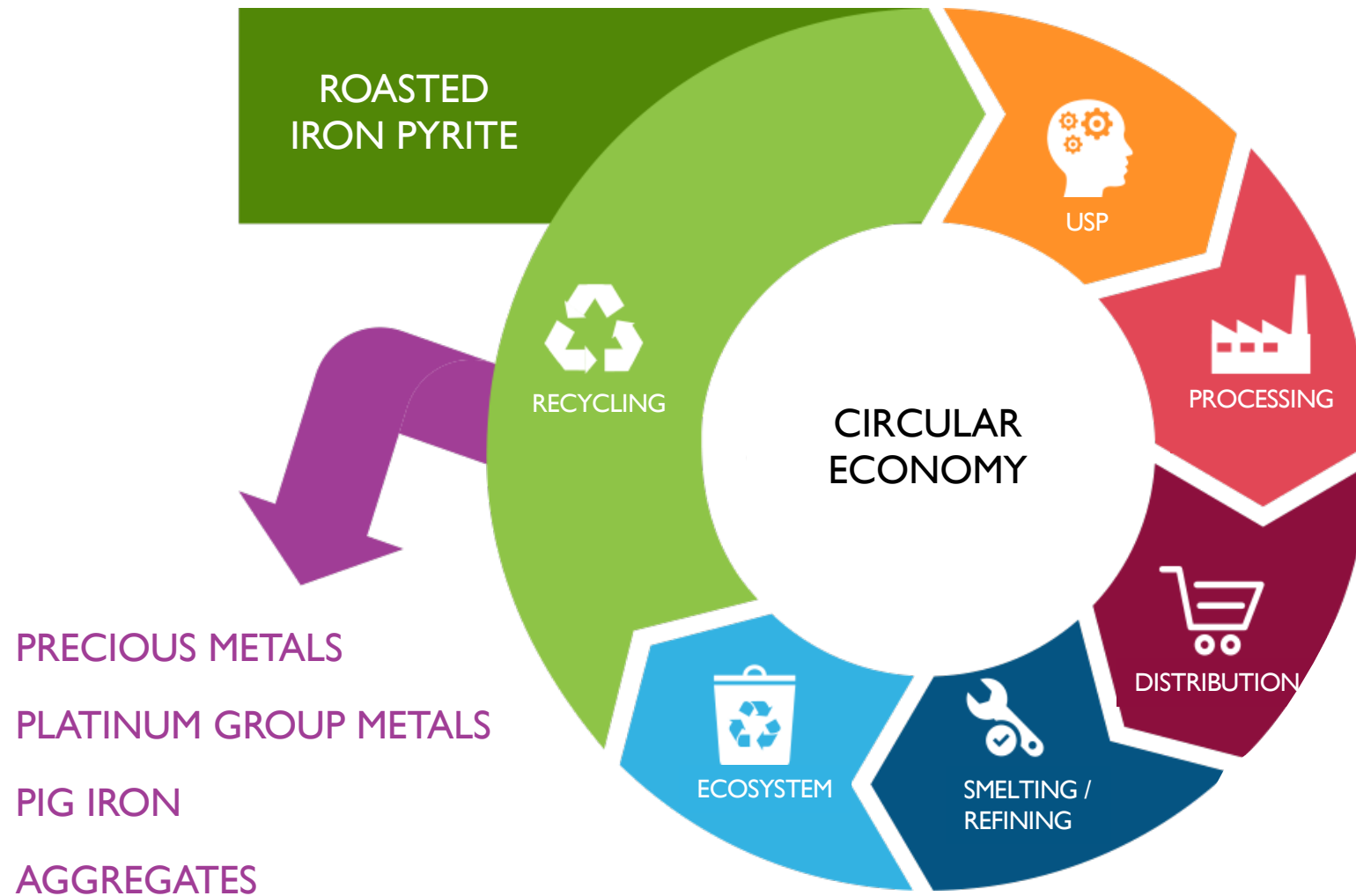
TRACEABILITY

The origins of the materials Orizont Deschis works with are fully documented and independently validated. Our raw material is sourced only to the highest standards of environmental stewardship, Health & Safety, and human rights of their labor force.

OUR GOAL

FUTURE

We believe that the precious metal industry is ready for a change to sustainable PM/PGMs, and that we must seize the opportunity now to communicate this to corporations and end customers because it is not only a question of where the PM/PGMs come from, but also how this can be achieved through industrial diversification by offering a circular economy, contributing to global environmental goals, and by unlocking the value of underutilized resources.





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