EXPLORATION LICENCES · OPERATING MINES · WORLDWIDE

Search less ground. Find more deposits.

Every public clue about your licence, from 238,872 records in 155 countries and 13 national and state databases, ranked in a minute. Then satellite and hyperspectral evidence, and local geologists to check the best targets on the ground. Every method is blind-tested and the results are published, failures included.

The problem we solve

New licence holders

Licence areas are large, often thousands of hectares. Mapping and sampling all of it takes a season and much of the budget.

Operating mines

Ground instruments cover a few points. Reporting to permit (EIA) commitments and lenders is manual. After recent heap-leach and tailings failures, regulators and communities expect more.

Products

FREE

Coverage Check

Which satellite archives cover your licence and which analyses are possible. About one minute.

EXPLORATION

Screen

Ranked field targets with reasons and confidence, geologist-reviewed, in 5 working days.

from **€10,000** / licence

OPERATIONS

Monitor

Disturbed ground inside and outside the licence, water, vegetation. Monthly report and alerts.

from **€1,500** / site / month

GROUND TRUTH

Field Verification

Vetted field geologists check your top targets, with the licence holder's permission.

Quoted per task

PROJECTS

Prospect

A model trained on your data plus public archives, across several licences. Success-fee options.

from **€30,000** / project

TRANSPARENCY

Open validation

Every method tested blind on known deposits before we sell it; results published, including those not good yet.

See /validation on our website

Indicative prices, excluding VAT. Final price depends on licence area and data availability.

Example: coverage at a 3,599 ha test licence near Kızılçaören (live run, October 2026)

160	6/7	1/11	61	103	20 s
clear Sentinel-2 / yr	clear EnMAP	clear EMIT	ASTER SWIR	Sentinel-1 / yr	run time

How it works

01
Coordinates
ED50 or TUREF corner points from your licence, 3° TM or 6° UTM.

02
Coverage
Usable scenes from EMIT, EnMAP, ASTER, Sentinel-2, Landsat, Sentinel-1.

03
Analysis
Mineral indices and terrain scored against your chosen deposit model.

04
Geologist review
Every target is checked; implausible ones are removed.

05
Field check
Top targets visited with your permission; hits and misses recorded.

06
Better models
Field results become training labels for your region.

What we have tested, and what is still in validation

CAPABILITY	RESULT	STATUS
Licence coordinates (ED50 / TUREF)	Automated tests pass	• Ready
Coverage check	20 s on a 3,599 ha licence, live data	• Ready
Monitor farmland filter	False swings at Beylikova cut from 231–694 ha to 53–123 ha	• Ready
Screen targets	Field-planning aid; first field-verified pilots open	• Pilot
ML prospectivity map	In validation: pre-registered blind test on 30 deposits did not yet beat chance; we sell expert-weighted Screen until it does	• In validation

Full results, test designs and the Çöpler retrospective: see the Validation page on our website.

Why OreRank

Your documents, your language
National licence coordinates as written (UTM, ED50, TUREF and other datums); reports in the vocabulary of permit and EIA files.

Every number traceable
Reasons, confidence, scene ID and method version for every target. No-data areas are marked.

Priced for mid-size companies
Built on free public archives, so a screen costs a fraction of a field season.

Checked on the ground
A local field network verifies targets and alerts.

Request a free coverage check
Send your licence corner coordinates. We reply within one working day.

info@orerank.com

Targets are indicators for field verification, not mineral resources or reserves (JORC, NI 43-101, UMREK). Monitoring alerts are advisory and complement ground instruments. Contains modified Copernicus Sentinel data; EMIT: NASA; EnMAP: DLR; ASTER: NASA / METI.