FOR ENVIRONMENT, PERMITS AND GEOTECHNICAL TEAMS AT OPERATING MINES

Monitor: independent, auditable evidence for your site

A monthly satellite report on disturbed ground, water and vegetation around your licence, with alerts in between. Written for permit (EIA) commitments, lenders and community questions, in English or Turkish.

Indicators

INDICATOR	WHAT IT SHOWS	SOURCE	STATUS
Disturbed ground inside licence	Pit, dump and plant footprint over time	Sentinel-2	• Available
Disturbed ground outside licence	Possible encroachment beyond the boundary	Sentinel-2	• Available
Water surfaces	Ponds, tailings water, flooding	Sentinel-2	• Available
Vegetation in 2 km buffer	Dust or spill stress on surrounding land	Sentinel-2	• Available
Ground deformation	Millimetre-scale movement of slopes, dumps, leach pads, dams	Sentinel-1 InSAR	• In preparation

Built to avoid false alarms

Harvested fields look like bare mine ground in summer. Monitor uses up to three clear scenes per period, always including a spring scene, and counts a pixel as disturbed only if it is bare in every one.

At Beylikova (2019–2024) this cut false year-to-year swings from **231–694 ha → 53–123 ha**.

Every report includes

- Area charts by class with period-by-period values
- Change map between first and latest valid period
- Scene IDs, dates and usable-pixel share
- Alert log with acknowledgements (audit trail)

Packages

AVAILABLE NOW

Monitor Basic

- Footprint, encroachment, water, vegetation
- Monthly report and alerts
- Web access for your team

from **€1,500** / site / month

EARLY ACCESS

Monitor Pro

- Everything in Basic
- InSAR deformation every 6–12 days
- API access; field check when an alert fires

from **€3,500** / site / month

Indicative prices, excluding VAT.

Getting started

01
Send your licence
Corner coordinates or a polygon.

02
Baseline
History back to 2017 within a week.

03
Monthly cycle
Report each month, alerts in between.

Important

Monitor is not a life-safety system. Satellite data complements, but does not replace, ground radar, prisms, piezometers and inclinometers. Alerts are advisory.

See your site's history first
We run a free baseline preview on request.

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Contains modified Copernicus Sentinel data.