

## Energy-efficient ocular mapping instrument for mining



### Overview

We deliver lab-validated mineral detection with over 90% accuracy, powered by advanced satellite analytics. Trusted across 20+ countries, our technology helps identify mineral zones with confidence. In our latest report, “Earth Observation in Mining: Driving Efficiency, Safety, and Sustainability Across the Mining Lifecycle,” Geoawesome explores how EO is reshaping mining operations and outlines the steps required to accelerate broader adoption across the sector. Drawing from real-world case. We Provide a online web based tool MinoPlan by which you can track and measure your mine or quarry and use it for day to day planning of mining operation on real time drone map. Hyperspectral imaging (HSI) provides detailed mineral insights that enable smarter exploration, greater automation, and more sustainable production.

## Energy-efficient ocular mapping instrument for mining

- ✓ Low-loss optical (LPO) for standard mining
- ✓ Low-loss optical (LPO) for special
- ✓ LPO for special applications



Eartheye Space's 5-meter hyperspectral imaging and SAR-based elevation mapping enable mining companies to achieve critical exploration objectives with remarkable accuracy. The platform's ...



Here, we present how HySpex hyperspectral cameras are becoming a vital tool for mining operations seeking to balance profitability with ecological stewardship, and give examples of ...



Explore our data products and services to learn which can help you achieve better, all-round, operational efficiency for your energy, mining, infrastructure and/or environmental projects around the world.



Using machine learning and spectral libraries, these 3D datasets can be analyzed to automatically map lithologies and alteration zones, offering an efficient, quantitative way to monitor and optimize mining ...



Key innovations, including energy-efficient mining equipment, optimization algorithms, and renewable energy integration, are analyzed for their potential to reduce operational costs and minimize the ...



The Goldeneye project will implement a unique combination of remote sensing and positioning technologies, exploiting Earth observation and Earth GNSS data, together with data ...



Satellogic can help you monitor remote assets, large-scale sites, and operations with continuous coverage to detect change, expedite response, and mitigate risks. Detect encroachment and ...



Discover how Earth observation is transforming the mining sector. This new report explores EO use cases, industry challenges, real-world applications, and strategic recommendations ...



Trusted by mining and exploration teams across multiple countries, our platform monitors large land areas, identifies mineral-rich zones, and supports confident, data-driven decisions.



We Provide a online web based tool MinoPlan by which you can track and measure your mine or quarry and use it for day to day planning of mining operation on real time drone map.

## Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://indzawo.co.za>

Email: [sales@indzawo.co.za](mailto:sales@indzawo.co.za)

Phone: +27 71 296 8473

Address: 22 Quantum Street, Midrand, 1685, Gauteng, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

