



OreAlzon

A POCKET-SIZED, SPACE-GRADE RAMAN-LUMINESCENT SPECTROSCOPE THAT DELIVERS LAB-PRECISION ANALYSIS OF ROCKS AND ADVANCED MATERIALS—ANYWHERE FROM MINES TO MARS.

Our company has developed a portable, high-precision Raman-Luminescent Spectroscope for rapid, non-destructive analysis of geological samples, advanced materials, and battery components. Combining Raman and cathodoluminescence technologies with AI-powered data analysis, it delivers lab-grade insights in the field—from remote drill sites to aerospace applications. Compact, cost-effective, and rugged, it enables real-time quality control, material defect detection, and molecular-level research, opening new opportunities in mining, energy, and materials science. Our business model couples device sales with cloud-based analytics, making advanced material characterization accessible to industry and research alike.

USP

A compact, portable Raman-Luminescent Spectroscope delivering lab-grade precision for geological and advanced material analysis, anywhere in the field.

Target Market

Industrial and research clients in mining, materials science, battery manufacturing, and environmental analysis seeking fast, on-site molecular-level insights.

Space Connection

Developed in partnership with ESA, our device is validated for use in space missions, offering remote planetary material analysis.

Team:

Charles Fosseprez, Alexey Guerassimov, Arnold Gucsik



Contact: Charles Fosseprez (charles.fosseprez.me@gmail.com)