

WHAT IS OREEX?

Operational Rare Earth Intelligence System

Operational Intelligence Infrastructure

OREEX is an autonomous decision infrastructure developed for rare earth mining operations in production. Unlike conventional management software, the system acts as the neural layer of the operation — connecting operational data, synchronizing critical processes, and eliminating latency between diagnosis and action.

In high-complexity operations, slow decisions are costly.

OREEX was designed to replace human coordination bottlenecks with systematic processes that operate 24/7, reducing downtime and optimizing resources in real time.

Main Objectives

Reduce Operational Downtime: Detect and respond to critical anomalies before they convert into unplanned stoppages;

Optimize Production Decisions: Synchronize preventive maintenance, resources, and teams with real-time data;

Eliminate Coordination Bottlenecks: Transform manual processes into automatically coordinated flows;

Maximize Operational Efficiency: Operate at the theoretical limit of infrastructure, not the human limit.

Para Quem é o OREEX?

OREEX was developed for rare earth extraction and processing operations at industrial scale, where every minute of downtime represents measurable loss.

It is a solution for operations that are already excellent but face an invisible efficiency limit imposed by the speed of human decision-making.

"OREEX is not management software. It is the critical infrastructure that synchronizes data, processes, and real time — transforming operational excellence into measurable competitive advantage."