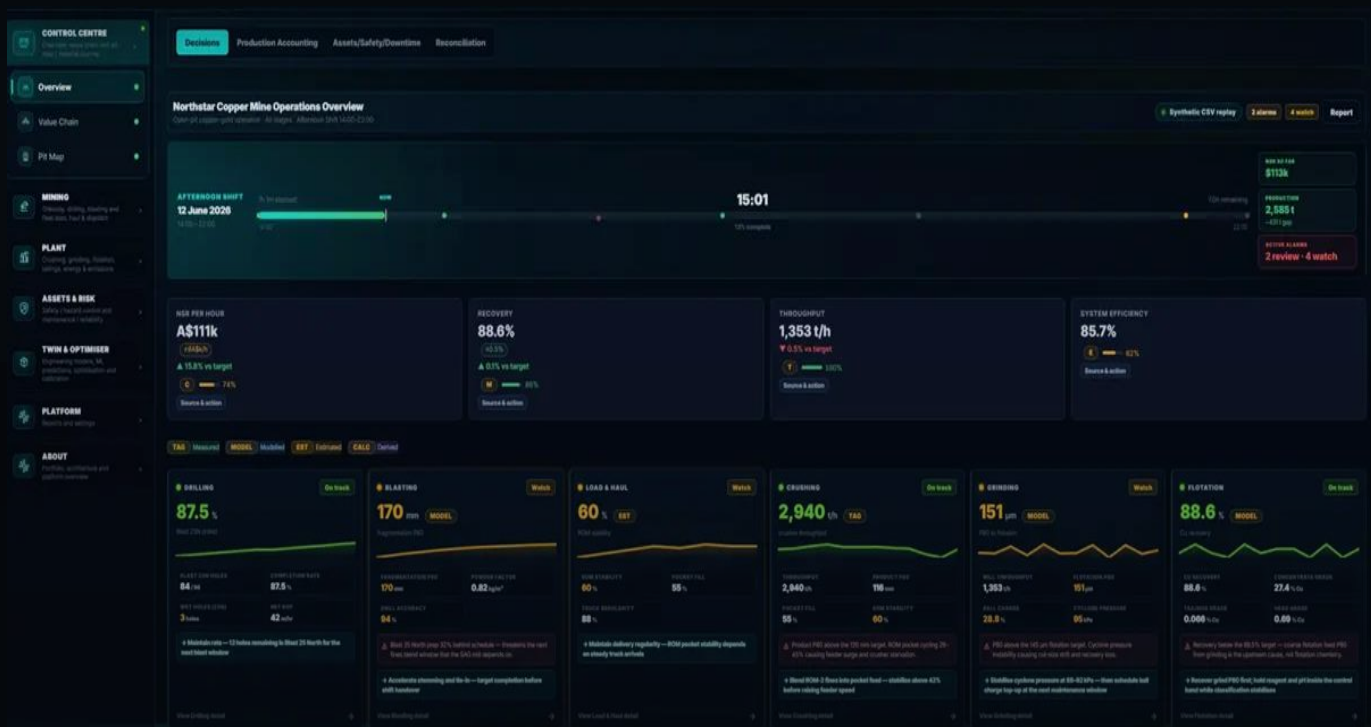


The Decision Layer for Mining Operations

Turn the outputs of the specialist software you already run into **governed, explainable** mine-to-product decisions.

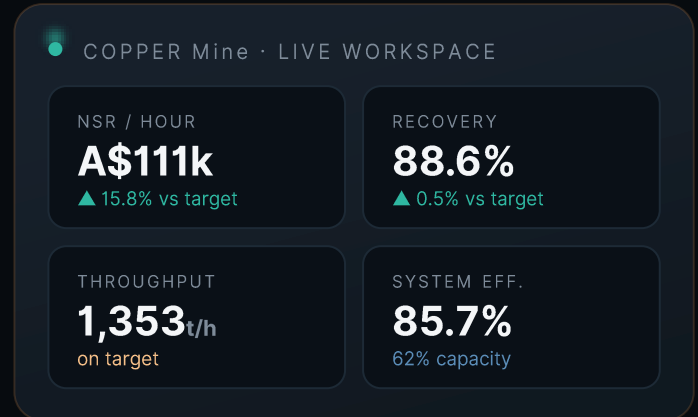
OreNeda ingests data and simulation from planning, blast-to-process, historians, LIMS/MES and fleet dispatch into one canonical model, then lets teams generate, compare, and govern scenarios across blast, haul, blend, crush, grind, and flotation.



What It Is?

I One Canonical Decision Layer

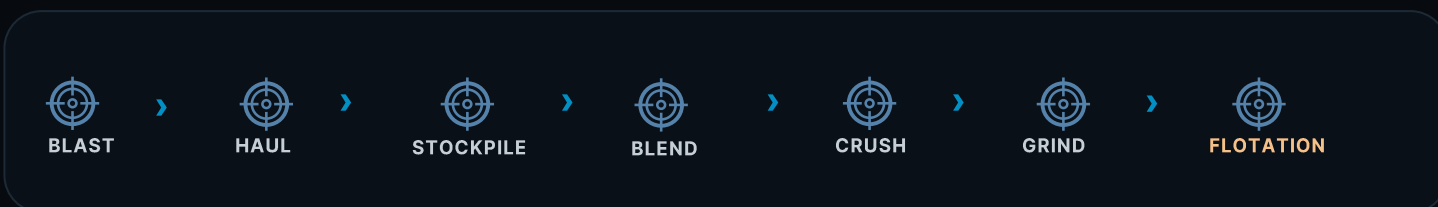
A vendor-neutral layer that sits **above** your stack, not a replacement for them. It connects their outputs into a single governed model, so cross-functional calls stop living in spreadsheets and meetings, and every recommendation carries its assumptions and lineage.



Connects the tools you already run



One model, blast to product



It answers the trade-off questions no single point tool owns

“which blast design + haul route + plant mode gives the best throughput-recovery-energy trade-off for this ore domain this month?” and does it with full lineage, assumptions, and audit, so the recommendation is defensible.

How It Works?

Four Core Capabilities



Canonical data model

Ingest planning, blast, historian, LIMS/MES and fleet data into one governed mine-to-product model — with full lineage on every value.



Scenario engine

Generate, compare, and govern scenarios across blast → haul → blend → crush → grind → flotation, side by side.



ML surrogates & optimisation

Fast surrogates around expensive simulators drive multi-objective optimisation in minutes, not days.



Explainability & governance

Every recommendation ships with assumptions, lineage, and audit — so the decision is defensible and signed off with confidence.



Optimised together, not stage by stage



Value & throughput: NPV, t/h, NSR per hour



Recovery & quality: metal recovery, concentrate grade, product spec



Energy & water: specific energy and water intensity



Emissions & risk: emissions intensity, safety & downtime exposure

PRACTICAL USE CASES



Why OreNeda?

I Five Roles, One Decision

Built for mid-to-large operations running several specialist platforms but still making cross-functional calls in spreadsheets and meetings. Five roles share one governed workspace:

Integration admins

Planning engineers

Blast engineers

Metallurgists

Superintendent / exec

WHAT YOU GET



Governed decisions
with full **lineage & audit**



Explainable
recommendations on
every call



Multi-objective
optimisation, not stage-
by-stage



Vendor-neutral

HOW A DECISION FLOWS

1

Connect specialist tools

2

Build the canonical model

3

compare scenarios

4

approve the decision

5 roles · one workspace

blast → flotation · 7 stages connected



See **OreNeda** on
your operation

Request a demo

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 linkedin.com/company/orenedas

