Draslovka
Mining Process Solutions

MetOptima

AI-powered end-to-end processing plant optimization.

What is it?

For mineral processing plants looking to improve productivity or cost efficiency, MetOptima's advanced analytics suite offers actionable, data-backed insights for optimization across the entire circuit (grinding, flotation & leaching processes).

It's an always-on "AI metallurgist" that helps plant operators achieve consistent top-quartile performance through process parameter recommendations. Most solutions on the market today control processes to a defined setpoint – MetOptima leverages AI and machine learning to determine your optimal setpoint, building on what you already have.

This AI metallurgist analyzes your data around the clock and helps you get the most from your plant by identifying opportunities & recommending actions for improved recovery, throughput and cost efficiency.

Benefits

** Typical results observed in pilot studies.*

Increased throughput
MetOptima's recommendations can increase throughput by 2-5%*.

Increased recovery
1-3%* increase in recovery when implementing processing plant optimizations.

Reduced costs
Reduced operational expenses through holistic process optimization.

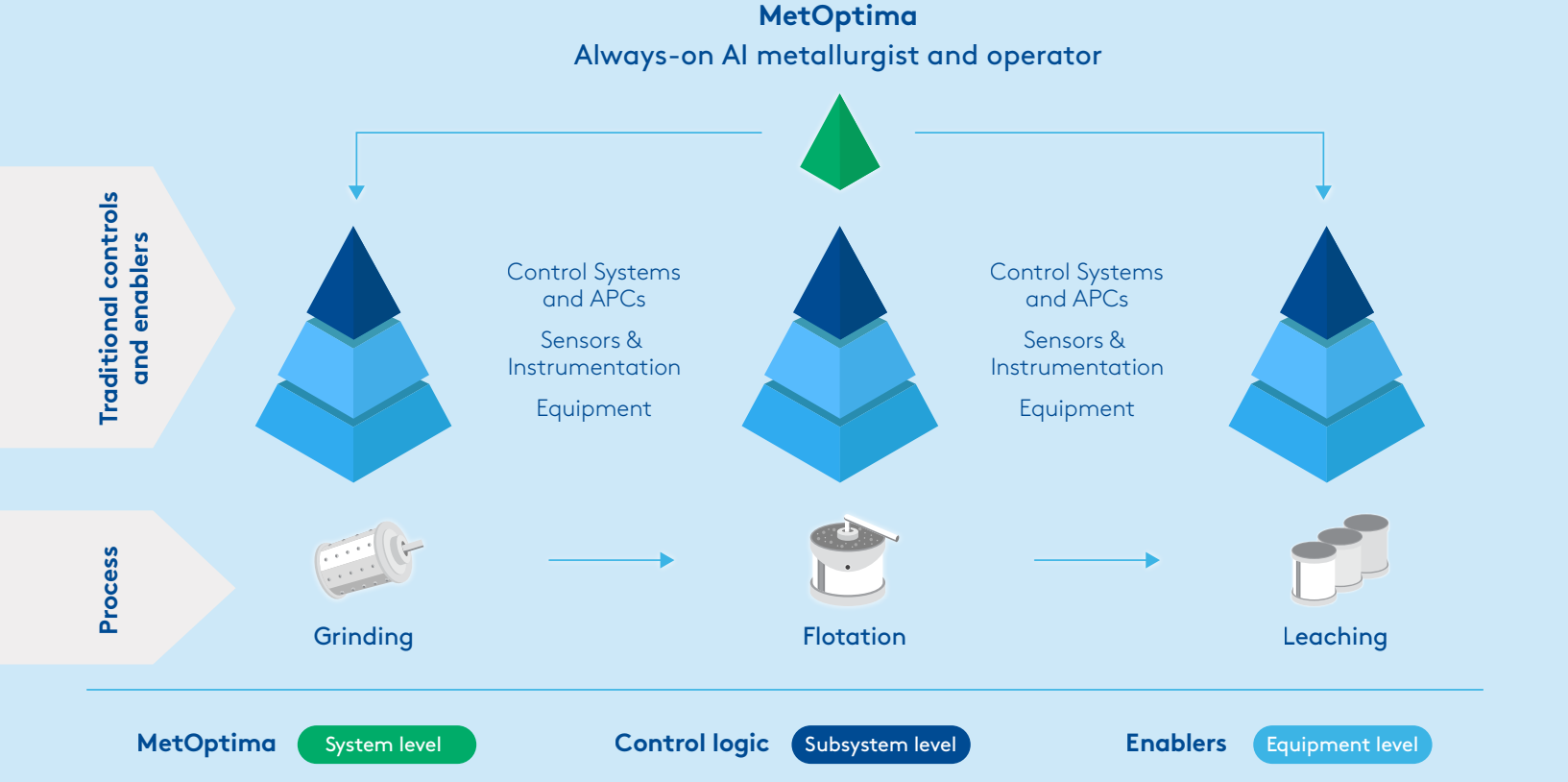
Better tracking & efficiency
MetOptima offers continuous scanning for improvement by re-optimizing the plant every few hours.

Secure environment
MetOptima was built with security at its core from day one.

Easily deployed	MetOptima integrates into existing core control systems (e.g. SCADA), sensors and data sources, with a minimal system footprint.
Intuitive interface	The web interface was built with operators and metallurgists in mind.
Intelligent models	Our collection of advanced analytical models is specific to each process unit. Predictive models are used for metallurgical and economic setpoint recommendations.
Secure & protected	MetOptima is hosted within a highly available and secure cloud-based infrastructure. Security features include role-based access, separation of environments, cloud infrastructure security, regular security updates, encrypted data in transit (HTTPS/SSL), secure authentication, outbound-only connections, data-at-rest encryption, and web application firewalls (WAF).
Aggregated activity log	A repository of which changes were made along with the respective rationale acts as an educational tool to help operator performance.
Adherence analysis	Track recommendations and implementation in an aggregated view to see how the tool is utilized in the plant, and how productivity differs by shift.
Impact tracking	Track the continuous value in recovery: Actual (current value), optimized (improvement available), and baseline (historical performance).

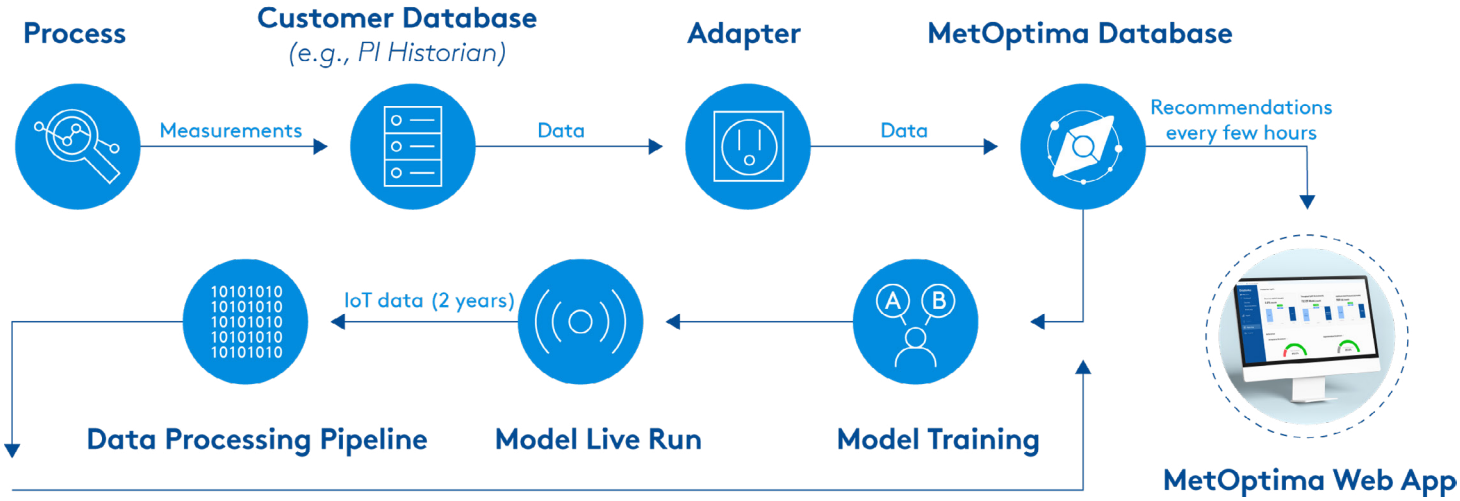
Other benefits include operational consistency through reduced variability in control system setpoints and streamlined employee training.

How it works



MetOptima leverages aggregated plant and sensor data through the client adapter and applies our suite of advanced analytical and predictive models to the data to generate recommendations every few hours, which the shift operator either accepts or rejects via a user-friendly web app.

Our production support team continuously monitors platform uptime, adoption metrics, data quality and assists with incident resolution.



Partner with Draslovka

With MetOptima, you get a unique combination of powerful digital analytics backed by Draslovka's innovative chemistry & real-time measurement.

When you work with Draslovka, you have a long-term partner who understands your needs and is committed to enabling your ongoing growth and profitability through innovation.

- Our team has 200+ years of collective experience, with extensive metallurgical expertise.
- We're trusted by the biggest mines around the world, with 95% of our customers recommending us.
- We have a presence in every continent and operate the largest distribution network in the Americas.
- We are a leading producer of mining reagents, with the most efficient CN production process in the world.
- Our Innovation Centre is continuously developing breakthrough technologies to future-proof your mining operations.

Our other products

Mineral processing is becoming increasingly complex and dynamic; our cutting-edge technologies ensure your operations are confidently prepared for the future.

As the mining industry evolves, so must its technologies. Draslovka stands at the forefront of this transformation, pioneering a new era of mineral processing. By integrating real-time measurement, innovative chemistries and AI-driven insights, mining businesses can optimize their yield, reduce costs, and improve sustainability.

Glycine Leaching Technology

Sustainable Chemistry

Draslovka's proprietary Glycine Leaching Technology (GLT) is the most environmentally sustainable and cost-effective way to produce precious metals and critical minerals yet.

GLT helps mines extract metals in a way that is;

- Environmentally friendly
- Cost effective
- Safe

BLUECUBE

Real-time Insights

Game-changing gold leaching chemistry that heightens gold recovery, cuts costs, and minimizes environmental risk by using a unique blend of glycine and a low concentration of NaCN.

Our in-line mineral analyzers were custom-developed for the minerals processing industry. Our solutions enable mines to make informed decisions in real time, optimizing mineral beneficiation processes.

Reagents

High-purity NaCN

We understand the critical importance of a safe and reliable supply of sodium cyanide for your business continuity and operational success.

As a leading global producer, with the most efficient production process in the world, we are equipped with the expertise you need from a trusted supplier.