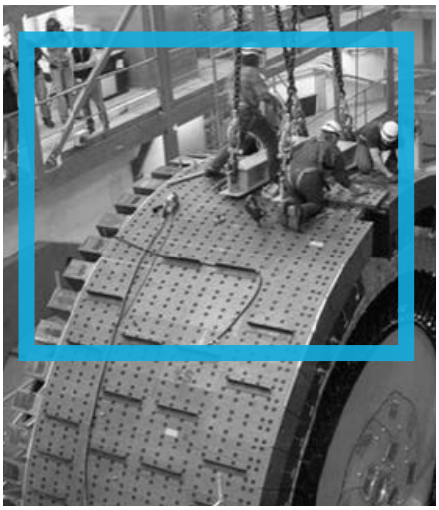
BRING ARTIFICIAL INTELLIGENCE TO MINING

VANTIQ



Vantiq's unique grinding solution receives real-time data from grinding process sensors via PLCs and send it directly to cloud computing.

This data is processed through our proprietary AI algorithms, which not only provide predictions and suggestions but also directly control machinery actuators.

This ensures optimal throughput 24/7, with no breaks or downtime.

VANTIQ'S UNIQUE VALUE PROPOSITION

Try and Buy with no CAPX

Prebuilt AI Technology ready to parameterize and deploy

$0

Cost

24/7 Operation Service

AI Monitoring & Customer Success by Dedicated Team

2%

Minimum Improvment

Product Driven by ROI

AI Technology Aiming at Major KPIS Improvements

300%

Minimum ROI

VANTIQ INTELLIGENT APPLICATIONS CAPABILTIES

Real Time
- Video, GPS
- Run Anywhere for Data-in-motion

Avatar
(Intelligent Assistant)
- Intelligent Alerts
- Converse

Intelligent
- Creative
- Manage the Unforseen

- **Orchestrate**
- Activities
- Humans
- Learning

TRUSTED BY LEADING INAVATORS

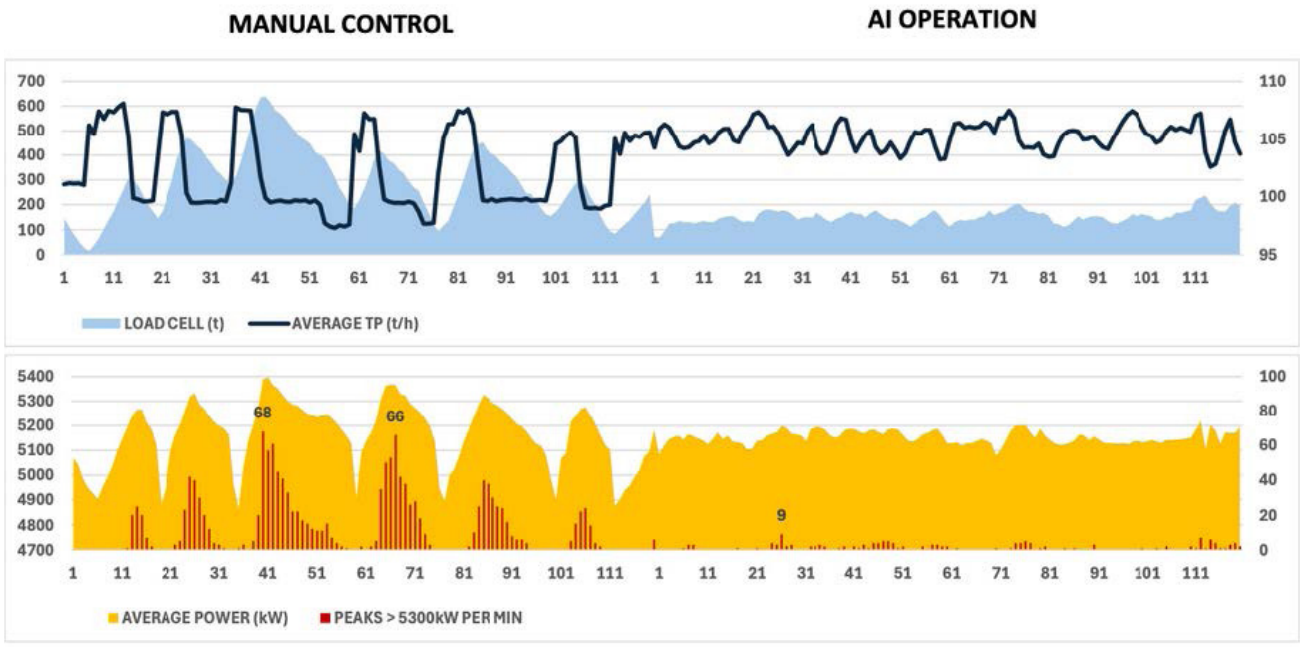
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SoftBank Hewlett Packard Enterprise Deloitte. IRONYUN T-Mobile intel AFWERX RANCHER leidos

DELIVER REAL RESULTS

VANTIQ

VANTIQ'S INNOVATIVE IOT INTERFACE REVOLUTIONIZES A SAG MILL USED FOR GOLD PROCESSING BY ENHANCING PRODUCTIVITY AND ENERGY EFFICIENCY



Challenge:
Develop an IoT interface that integrates real-time data to autonomously control a SAG mill, aiming to boost productivity and energy efficiency.

Result:
Tests resulted in excess ore availability,showcasing the system's capability to manage and optimize production efficiently within operational limits.

Solution:
Vantiq's AI system collected and processed real-time data to control the SAG mill, alternating 48-hour shifts between AI and human operators.

Key:
t/h - ton/hour
kWh/t = kilowatt hour/ton

	AI Operation	Manual Operation	AI Vs. Manual
Valid operating Hours [1]	202. 48 Hrs	22.95 Hrs	-
Total Processed Ore [2]	90,543 t	92,386 t	-
Rate of Ore Processed	447.16 t/h	414.38 t/h	+7.91 %
Rate of Energy Consumption [3]	19.54 kWh/t	21.11 kWh/t	-7.40%
Throughput	540.86 t/h	508.37 t/h	+6.39%

[1] Considering only hours of plant uptime, excluding hours where ore feed was restricted for more that 6 minutes, and hours where AI was disengaged for more than 3 minutes.
[2] Dry weight (discounted moisture) processed during valid hours.
[3] Energy consumed by the grinding circuit (SAG and ball mills), per ton of processed ore.

Vantiq stands at the forefront of technological innovation, drawing from over a century of experience to revolutionize software automation with Generative AI. With our patented Intelligent Platform, we empower organizations to swiftly create real-time smart applications for modern challenges from everyday business optimization, improving customer outcomes and managing disasters and health crisis. By automating intelligent decision-making based on situational awareness, our platform facilitates rapid response and proactive interventions enhancing safety, resilience and sustainability globally. Committed to using AI as a transformative force for good, Vantiq is passionately dedicated to creating a world that is safer, smarter and more sustainable. Learn more at www.vantiq.com.