



# SBX Global Solutions

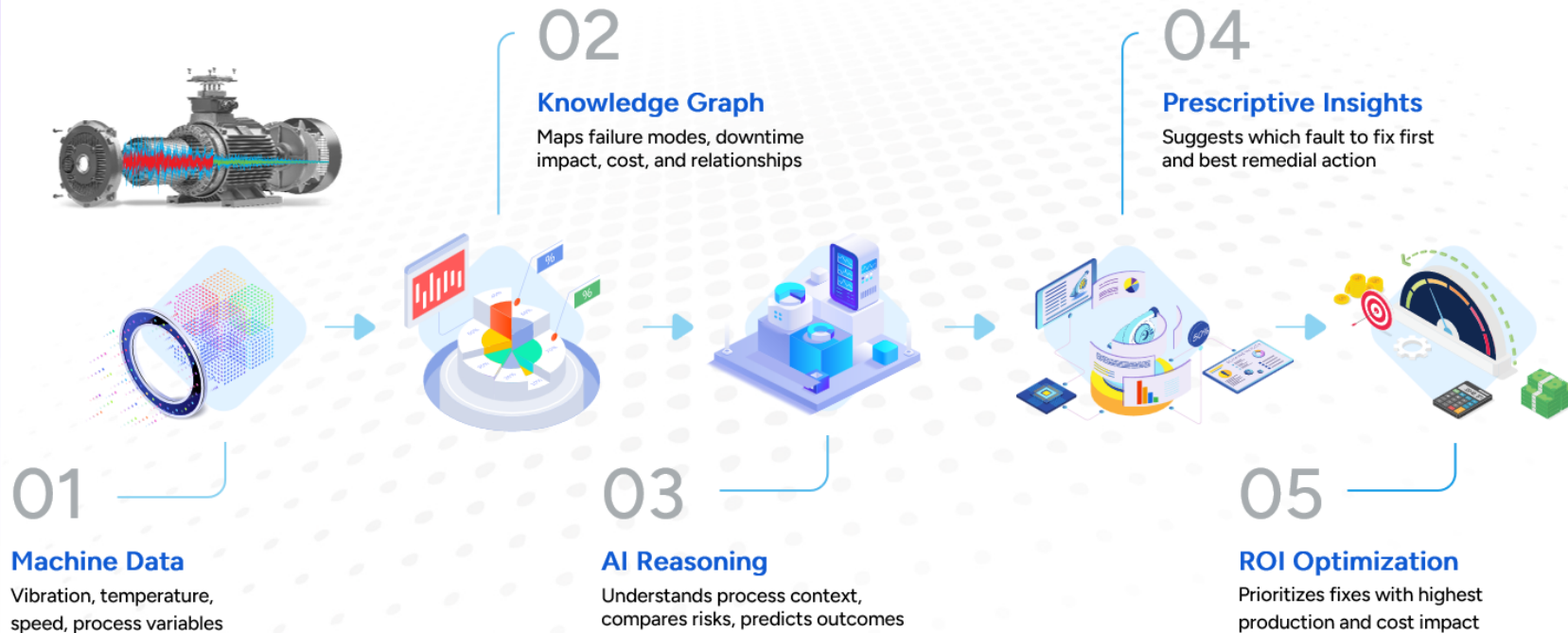
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Representante exclusivo de Infinite-Uptime en Chile

# PlantOS: Plant Orchestration System

*La plataforma de IA Prescriptiva más validada por los usuarios del Mundo para industrias de procesos*

## Plant OS - Leveraging Knowledge Graphs and AI Reasoning



Outcome: Instead of just detecting anomalies, the AI reasons through machine relationships and cost implications to prescribe high-value maintenance actions — bridging equipment reliability with process performance.



# Presencia Global

## Global Presence

We have a strong presence  
in **26 countries** across....

We support industries worldwide with advanced **Prescriptive Maintenance & Energy Efficiency** solutions. Our global presence reflects the trust leading manufacturers place in our expertise.



**844**

Plants  
Digitalized Globally



**26,633**

Total Breakdowns avoided  
till date\*



**111,670**

Unplanned Downtime  
Hours Eliminated



**99.97%**

Prediction  
Accuracy

\*Note - Data As of November 10<sup>th</sup> 2025 Source-PlantOS™ Digital Reporting System - User Validated True Positives & False Negative Rate



- 3 regiones – Americas, EMEA, APJ
- 26 Países
- 350+ trabajadores
- 844 Sitios/Plantas digitalizadas



- 99.97% precisión predicción IA
- 99% prescriptivas aplicadas
- cobertura– Equipamiento, Procesos, KPIs Multi-sitio



- Profunda conocimiento cadena de valor de fabricación
- Inteligencia humana por demanda + consultoría



- 111,670 horas ahorradas de paradas, validadas por el usuario
- Hasta un 2,5% incremento utilización
- Hasta un 2% reducción energía

- Cumple con la seguridad de los Datos
- Fácil integración con Sistemas de Gestión
- UI/UX y mobile app permiten participación del usuario en toda la jerarquía de la planta
- Fuente: PlantOS Digital Reporting System; Date: As of 10<sup>th</sup> Nov 2025



# Con la confianza de

METALS & MINING	STEEL	CEMENT	CHEMICAL	FMCG	AUTOMOTIVE	PAPER	ADVANCED MATERIALS	RUBBER & POLYMER	ENERGY
									
									
									
									
									
									
									
									



# Resultados validados por el usuario – 99% confianza @PlantOS



**JSW Steel**



**2.5%**

more plant capacity Utilisation @ World's Most valuable Steel company



**vedanta**  
transforming for good



**3x ROI @ \$ 20 Bn+**

Mining & Metals conglomerate



**MRF**



**15%**

more Productivity @ Global Top 15 Tire Manufacturers

**Cement**  
Manufacturer



**~15K hours**

of additional production time  
@ World's 3<sup>rd</sup> Largest  
Cement Manufacturer

*outside China*

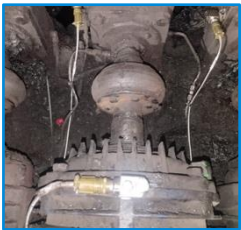


# Sensores Robustos para cualquier aplicación

Piezo & MEMS, Inalámbrico y cableado, Procesos & Energía, 150°C rango de temp & 2 RPM



## ✓ Alta Temperatura



ROT Roll Hot Strip Mill Steel



Blower Impeller Glass



Dynamic Separator Bottom Bearing Cement



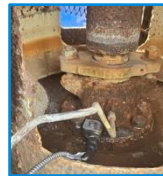
Calendar Roll Paper

## ✓ Ambiente Corrosivo



Acid Circulation Pump Chemicals

## ✓ Ambiente Húmedo



Cold Water Pump Steel

## ✓ Ambiente Explosivo



Exhaust Gas Cleaning Fan Energy

## ✓ Bajo RPM + Carga Variable



Aging Drum Support Bearing Chemicals



Casting Crane Steel Melt Shop



Calendar Roll Tire

# Vista Sala de control Planta (CRV)

Plant CRV app proporciona información precisa sobre el estado del equipo a los usuarios de la planta.

Overview of 24 Plants / [Redacted]

< Coming Next [Redacted] > Select Plants [Redacted] +23 Others ▾

Measurement Locations 2703 197	Equipment Digitized 569 42	Action Needed 60 3	Corrective Actions Taken 945 64	Downtime Saved (Hrs) 2204 132
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No Fault  Fault Suspected  Action Needed  Disconnected  Sensor Fault  Stop Auto Pagination

<b>LS Feed BC</b> 331 Belt conveyor Motor [Green] [Green] [Info]	<b>LS Feed BC</b> 331 Belt conveyor Gearbox [Green] [Green] [Info]	<b>LS Feed BC</b> 331 Belt conveyor Head Pulley [Green] [Green] [Info]	<b>RM-1 Reject CBE</b> Raw Mill Reject Elevator (361 BE1)_MOTOR [Green] [Green] [Info]	<b>RM-1 Reject CBE</b> Raw Mill Reject Elevator (361 BE1)_GB [Green] [Yellow] [Info]
<b>RM-1 Reject CBE</b> Raw Mill reject elevator Head pulley [Green] [Green] [Info]	<b>Kiln Firing Blower</b> Blower 481-Motor [Green] [Red] [Info]	<b>Kiln Firing Blower</b> Blower 481_Blower [Red] [Green] [Info]	<b>PC Firing Blower</b> Blower 451-Motor [Red] [Green] [Info]	<b>PC Firing Blower</b> Blower 451_Blower [Yellow] [Yellow] [Info]
<b>Coal Mill Seal Air Fan</b> Seal Air fan _Motor [Green] [Green] [Info]	<b>Coal Mill Seal Air Fan</b> Seal air fan_Fan [Green] [Green] [Info]	<b>Coal Mill Fan</b> Coal Mill Fan (L41 FN2)_Motor [Green] [Green] [Info]	<b>Coal Mill Fan</b> Coal Mill Fan (L41 FN2)_Fan [Green] [Green] [Info]	<b>Coal Mill MD</b> Coal Mill Main Drive (L41MD1)_Motor [Green] [Green] [Info]
<b>Coal Mill MD</b> Coal mill main drive(L41MD1)_Gearbox [Green] [Green] [Info]	<b>Coal Mill Classifier</b> Coal Mill Classifier Drive (L41 SR1)_MOTOR [Green] [Green] [Info]	<b>Coal Mill Classifier</b> Coal Mill Classifier Drive (L41 SR1)_GB [Green] [Green] [Info]	<b>Coal Mill Classifier</b> Coal Mill Classifier Drive L41 SR1_Classifier [Green] [Green] [Info]	<b>Cooler Fan-1</b> cooler fan -1 Motor [Green] [Green] [Info]

### Equipment Needing Action (3)

Equipment name: PC Firing Blower

Reported Time: 22 April 2025, 7:15 PM  
Corrective Services: Lubrication, Carry out Bearing replacement  
[ANALYZE](#) [OPEN REPORT](#)

Equipment name: Kiln Firing Blower

Reported Time: 16 April 2025, 11:49 PM  
Corrective Services: Alignment Service, Pulley / belt looseness  
[ANALYZE](#) [OPEN REPORT](#)

Equipment name: Kiln MD

Reported Time: 15 April 2025, 1:31 AM  
Corrective Services: Alignment Service, Gear Backlash / Clearance / misalignment correction  
[ANALYZE](#) [OPEN REPORT](#)

Anomaly Alerts (9) ▾

# Sistema de Reportes Digitales (DRS)

DRS Mantiene un historial de servicio de la planta con acciones tomadas, pendientes, cronograma del equipo, etc.

**INFINITE UPTIME** Digital Reporting System

Welcome [Redacted]

Select Plants [Redacted]

### Service History

List of all Service Request reports

**Total Faults Notified**  
74 Fault Notifications

**Action Needed**  
6 Reports to save 62 hrs

**Action Taken**  
68 Service Requests

**Downtime Saved**  
138 hrs in total

**Accurate Diagnostics**  
66 Reports closed as TP

**Equipment Digitized**  
42 with 197 sensors

ALL REQUESTS | DRAFTS | ACTION NEEDED | ACTION TAKEN | FN REPORTS | CANCELLED

[Redacted]

Showing All Service Request Reports

🔍 🔍 ⬇️ 💬 Add comment

Service Id	Analysis Method	Plant/Area	Equipment-Asset	Corrective Actions	Service/ Case Status	Report Type	Action
<b>IUSERV555559411</b> ▲ By parameswara.y@infinite-uptime.com 14-05-2025 03:15 am	Online	[Redacted]	to RM-1 Reject CBE - Raw Mill Reject Elevat or (361 BE1)_GB , Raw Mill reject elevator Head pulley	Oil Analysis, Lubrication, Carry out Bearing replacement	New	ONLINE	<a href="#">View Report</a> 🕒 ⋮
<b>IUSERV372870940</b> ▲ By damodar.konguru@infinite-uptime.com 11-05-2025 08:35 pm	Online	[Redacted] Mill	CM-1 Mill Fan - Cement Mill Fan(561FN1)_ Motor	Alignment Service, Lubrication	Action Pending	ONLINE	<a href="#">View Report</a> 🕒 ⋮
<b>IUSERV495895972</b> ▲ By ranganyakulu.mandla@infinite-uptime.com 07-05-2025 02:53 am	Online	[Redacted] to	LS Secondary Crusher A - Secondary Cr usher-A (211 CR2)_Crusher drum	Carry out Bearing replacement	Action Pending	ONLINE	<a href="#">View Report</a> 🕒 ⋮
<b>IUSERV776093759</b> ▲ By parameswara.y@infinite-uptime.com 30-04-2025 01:43 am	Online	[Redacted] to	LS Secondary Crusher B - Secondary Cr usher-B (211 CR2)_Crusher Drum	Lubrication, Carry out Bearing replacement	Action Pending	ONLINE	<a href="#">View Report</a> 🕒 ⋮

Items per page 5 | Showing 1 - 5 of 74 items

1 of 15 pages | < 1 >

# Herramientas de Diagnostico

Permite a los usuarios de la planta/analistas de confiabilidad realizar un análisis en profundidad de los datos de sus equipos (en tiempo real)

**INFINITE UPTIME** **CONDITION BASED MAINTENANCE** English

Multi Plant View **Single Location Data** Multi Location Data Anomaly Alerts

Health <= 50% 50% < Health < 84% Health >= 84% All

Total Areas: 1  
Total Equipment: 6  
Total Assets: 14  
Total Measurement Locations: 27

Search Hierarchy

Syndication Priority All

**CEMENT MILL**

- CEMENT MILL 561
  - CEMENT MILL 561 MDIM01 - MOTOR 1(HS=79%)
    - M01\_MOTOR DE SIDE(HS=na)
    - M01\_MOTOR NDE SIDE(HS=79%)
  - CEMENT MILL 561 MDIM01 - GEARBOX 1(HS=83%)
  - CEMENT MILL 561 MDIM01 - PINION 1(HS=55%)
  - CEMENT MILL 561 MDIM02 - MOTOR 2(HS=37% L)
  - CEMENT MILL 561 MDIM02 - GEARBOX 2(HS=46%)
  - CEMENT MILL 561 MDIM02 - PINION 2(HS=10%)
- VSK Separator Fan
- SKS Separator Fan
- Chain Elevator 531\_BE1 (Store Side)
  - Chain Ele 531 BE1 Drive (Store Side)-MOTOR(HS=77%)
  - Chain Ele 531 BE1 Drive (Store Side)-GEARBOX(HS=89%)
    - 531\_BE1\_(Store Side)\_Gear Box\_DE(HS=89%)
- Chain Elevator 531\_BE1 (DG Side)
- Cement Mill Outlet Bucket Elevator-591BE1

CPM Hz Input RPM (CPM) Estimated RPM: 1485 (24.75Hz)

30M 1H 1D 1W 1M 1Y ALL Interval 6 Hour Function Max

Start Date 08/06/2024 11:22 am End Date 08/07/2024 11:22 am

SC SB HR

Velocity Acceleration Shockwave Axial Horizontal (Z) Vertical

**FFT Data Time: Mon Jul 08 2024 11:19:31 GMT+5:30**

Vrms: 2.36 (mm/s)

Velocity Acceleration Shockwave SC DC

**Time Waveform: RMS: 0.308 PK+: -1.03 PK+: 1.12**

**Trend for Measurement Location: 531\_BE1\_(Store Side)\_Gear Box\_DE**

10 Jun 17 Jun 24 Jun 1 Jul 8 Jul

<input type="checkbox"/> HS	<input checked="" type="checkbox"/> H - Vel	<input type="checkbox"/> H - Acc(P-P)	<input type="checkbox"/> H - Acc(RMS)	<input type="checkbox"/> H - SW	<input type="checkbox"/> H - SW(RMS)
<input type="checkbox"/> Temp	<input checked="" type="checkbox"/> V - Vel	<input type="checkbox"/> V - Acc(P-P)	<input type="checkbox"/> V - Acc(RMS)	<input type="checkbox"/> V - SW	<input type="checkbox"/> V - SW(RMS)
<input type="checkbox"/> TA	<input checked="" type="checkbox"/> A - Vel	<input type="checkbox"/> A - Acc(P-P)	<input type="checkbox"/> A - Acc(RMS)	<input type="checkbox"/> A - SW	<input type="checkbox"/> A - SW(RMS)

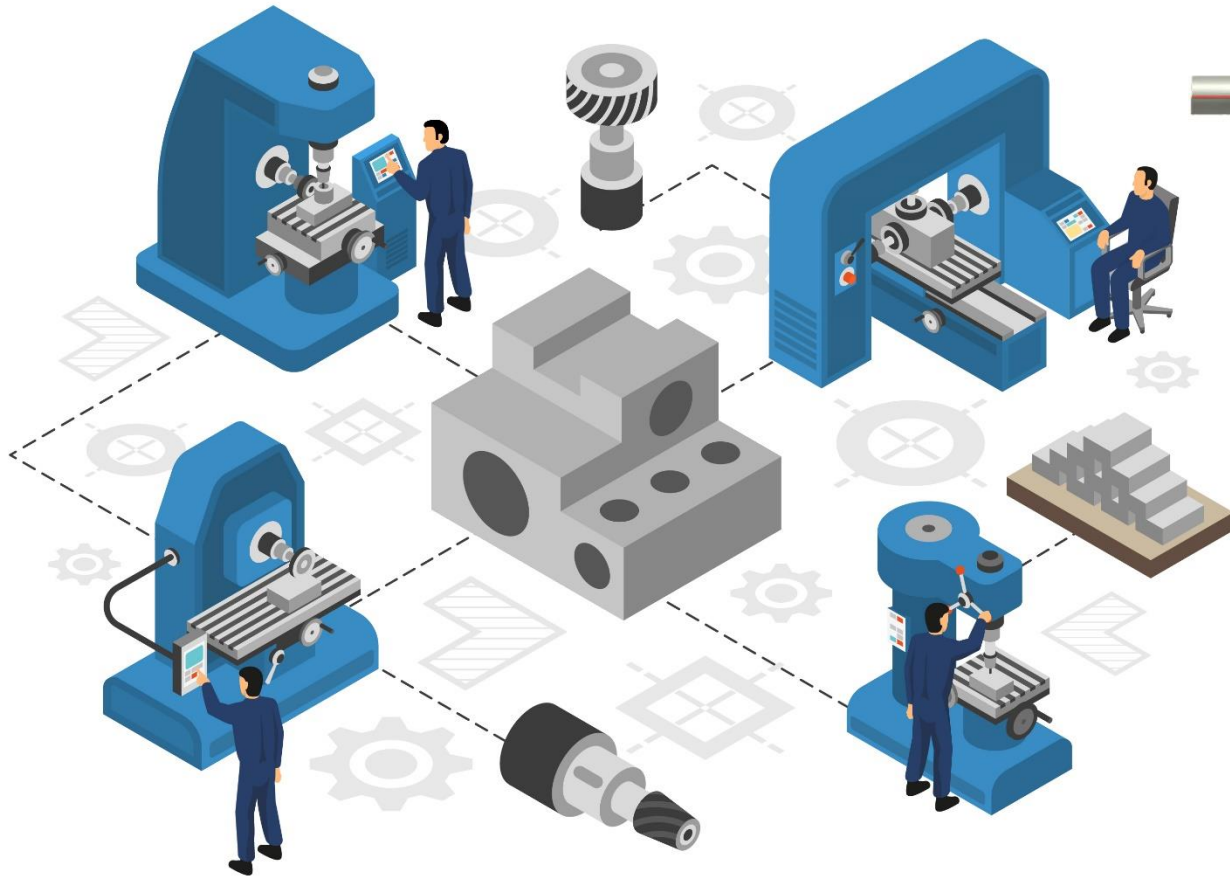
Clear All

**Summary**

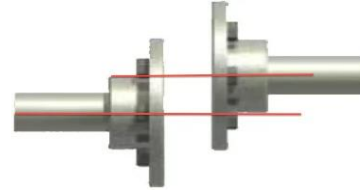
Device Identifier: 60:09:C3:D5:00:F9  
Asset Type: Gearbox - Bevel Gearbox  
Device Type: vEdge 2.1  
Firmware Version: 3.6.4  
Driven Coupling: DIRECT (NO COUPLING)  
Mounting Conditions: On Rigid Concrete

Rotating Speed Type: FIXED  
RPM: 1485.0  
Bearing 1: N.A  
Bearing 2: N.A  
Bearing 3: N.A

# Más de 25 modos de falla monitoreados



**DESALINEACIÓN**



**FALLA ACOPLÉ**



**PALETAS ROTAS**



**RODAMIENTOS**



**FLOJEDAD**



**CAVITACIÓN**



**LUBRICACIÓN**



**La innovación requiere más que visión:  
requiere convicción.**

Explora nuestra colaboración para mejorar  
la eficiencia operativa en la minería.

[Info@sbxglobal.cl](mailto:Info@sbxglobal.cl)

WhatsApp: +56 9 4266 3809 - +56 9 8233 2686

