

Innovate. Optimise. Excel.

Talonite is a specialist in Operational Technology (OT) and industrial digital transformation. We help heavy industries unlock measurable value through data, automation, and optimisation. Our solutions are engineered by industrial experts who understand real-world operations – not just software. We bring together engineering intelligence, analytics, and secure technology to improve throughput, recovery, and reliability across your value chain.

Our Core Solutions

SMART PLANT

Optimise production. Stabilise operations. Maximise yield.

SMART MINE

From visibility to productivity – transforming surface and underground operations.

SMART MAINTENANCE

Reliability through insight – a lean, data-driven maintenance ecosystem.

SmartPlant

Smart Plant integrates seamlessly with your existing control systems to deliver a connected, intelligent, and stable process environment.

Core Capabilities

- Data Management & Trending: Unified real-time and historical data for performance visibility and root-cause analysis
- Control Loop Monitoring: Detects and corrects unstable loops to improve efficiency and reduce energy use
- Downtime & OEE Reporting: Automatically captures and categorises downtime events for accurate loss attribution

Advanced Features

- Advanced Process Control (APC): Real-time optimisation of process parameters for higher recovery and lower variability
- Production & Engineering Reporting: Aligned reporting for shift teams and management

3–8%

Throughput Increase

Measurable production gains

2–5%

Availability

Improved uptime

1–4%

Recovery

Enhanced yield

50%

Variability Reduction

Process stabilisation

SmartMine

Smart Mine connects people, equipment, and data across your mine, enabling real-time fleet and shift optimisation.

01

Automated Data Capture

Reliable field data collection even in low-connectivity environments

02

Fleet & Shift Optimisation

Tracks cycles, loads, and operator behaviour to improve haul efficiency and reduce idle time

03

Fuel & Maintenance Management

Monitors usage, schedules preventive tasks, and extends equipment life

04

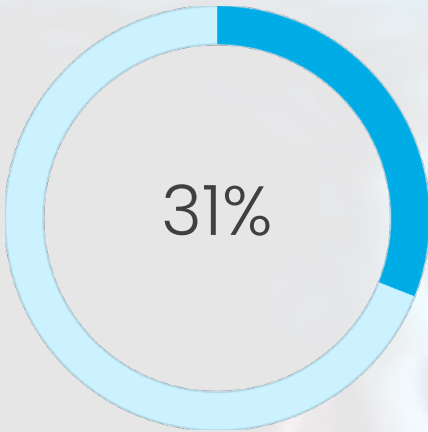
Contractor & Cost Control

Transparent visibility into contractor performance and utilisation

05

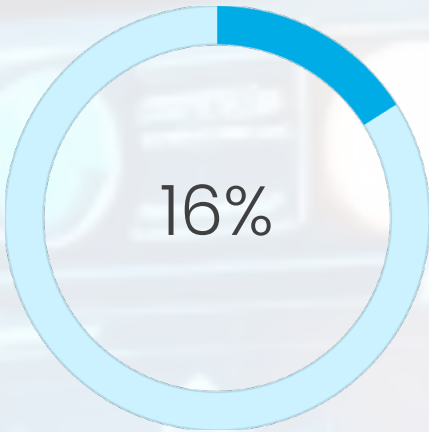
MineVerse Mobile App

Mobile and WhatsApp-based access for shift reporting, alerts, and KPIs



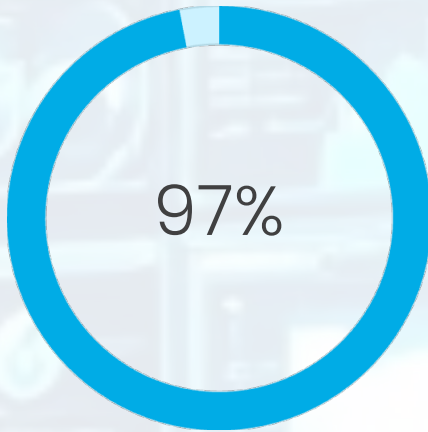
Productivity Increase

Measured operational gains



Fuel Savings

Cost and emission reduction



Speeding Event Reduction

Safety improvement

SmartMaintenance

Smart Maintenance digitises maintenance management for improved reliability, availability, and compliance.

Downtime Event Management

Automatic detection, root-cause analysis, and collaborative resolution

OEE & Performance Analytics

Real-time tracking of availability, performance, and quality metrics

Maintenance Intelligence

Trend visualisation to support predictive and preventive strategies

System Integration

Connects to existing historians for accurate data capture and visibility

Measured Impact

Up to 25% maintenance productivity increase, shorter RCA cycles, improved budget accuracy, and enhanced OEE visibility.

Supporting Services

OT Managed Services

ITIL-aligned, secure, and cost-optimised operations with up to 50% TCO reduction

OT Cybersecurity

IEC 62443 / NIST-aligned layered protection for control systems

Specialised Resourcing

Rapid access to engineers, analysts, and digital specialists for critical projects

Why Talonite

Deep Expertise

Engineering and OT knowledge built from real industrial experience

Proven Results

Measurable outcomes across mining and manufacturing sectors

Industrial Grade

Scalable modular platforms built for harsh environments

BBBEE QSE Level 2

Commitment to transformation and quality standards

Our Partners

Acronis



SPOTICA

AMDT



CLAROTY

Fast2Mine

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