Industrial Cloud Platform for Operations

Turn-Key Processing Solutions Reference

"Within weeks of the system being available, we avoided a thickener crash worth hundreds of thousands in downtime"

John Cross, CEO, Turn-Key Processing Solutions

Turn-Key Processing Solutions (TPS) provides system integration, consulting, engineering and design, construction planning, and project management for clients in the aggregate, cement, frac sand, industrial minerals, heavy metal mining, and transportation industries. Recently, they deployed a new decision support system for visibility of their remote operations and assets.

The Problem:

TPS manages multiple mining operations across the U.S. Downtime is costly. A single wet process clarifier downtime event may cost hundreds of thousands of dollars. Rake torque limits, for example, must be actively managed by operating crews to avoid downtime. Subject matter experts are spread thin. Operations crews are hired locally with little experience, so operating safely and efficiently while simultaneously teaching crews about plant best practices called for a creative solution.

The Solution:
A mobile monitoring system providing asset information, KPIs, and sophisticated analysis capabilities for users of all levels and experience resulting in:
- Improved Operational Performance
- Improved Asset Reliability
- Increased Collaboration & Training
- Better Leveraging of Subject Matter Experts
- 1 Week ROI

The Products Used:
- AVEVA Insight Industrial Cloud Platform
- AVEVA Historian
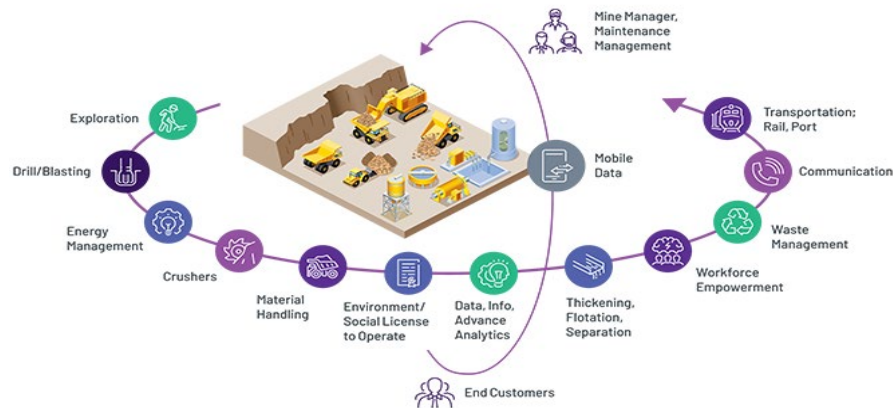- Dream Mobile Reports for AVEVA

Watch the Video
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InSource Solutions for Mining

Empower the whole team with a centralized view to make informed decisions, fast. AVEVA's Unified Operations Center for Mining uses a system of systems approach that converges OT and IT technology into a single pane-of-glass solution. Then Mobile reporting provides real-time access to critical KPIs and process or operational data via popular smartphones, tablets, and wearables.

Users are given an overall perspective into pit to port operations, and the sub-systems that manage specific areas such as crushers, processing plants, and connected workers. This can reduce costs and improve productivity while enabling faster and better decision-making. Users are better equipped to review, analyze and collaborate with contextualized, actionable information.

Software Solutions and Adoption Services

- **Software Solutions**. We will guide your business to the most flexible, robust, modular, platform-independent solutions available. Bring end-to-end operational visibility across Mining operations to maintain operational conditions, achieve greater situational awareness and improve crisis response.

- **Adoption & Management Services.** Software selection for getting the right data in the hands of your staff is important…. but it's not enough. InSource Adoption Coaching and Management Consulting guarantees that data is utilized and consistently acted upon for continuous improvement and sustained results.

Why InSource Solutions?

InSource Solutions is your transformation partner, providing the insight, experience and expertise to help businesses like yours drive continuous improvement initiatives — with proven world-class solutions. Today, those solutions are at work within some of the world's most complex manufacturing and industrial environments.

Learn More About Our Solutions for Mining