



Case Study: INSEE

Challenges

INSEE Cement, also known as Siam City Cement Company (SCCC), is a leading cement manufacturer in Southeast Asia. It manufactures INSEE branded cement, Ready-Mix Concrete, construction aggregates and solutions to serve a widespread regional market that includes Cambodia, Bangladesh, Vietnam, Indonesia, Thailand and Sri Lanka. Its cement manufacturing facility in Saraburi, Thailand, is the world's largest cement production complex.

SCCC had committed to running a showcase Digital Factory for the ASEAN region and had already invested heavily in smart factory equipment and sensors. They required a predictive maintenance system that would leverage their existing investments and integrate with their SAP PM maintenance system.

“The successful INSEE project demonstrates the true promise of seamless Industry 4.0 interoperability and scale.”

Robert Russell, CTO, Senseye

Solution

Working closely with existing suppliers, Senseye integrated with SCCC's SAP PM system, allowing for an automated detection, diagnostic and prognostic system across all factory assets.

The complete Computerized Maintenance Management System (CMMS) integration ensured a 'closed loop' learning system, requiring minimal training for end-users and improving maintenance accuracy.

Outcomes

- Project accepted by the customer ahead of schedule
- Automated work-order creation based on prognostic insights
- Automated learning based on closed work-orders from SAP PM
- Showcase Digital Factory project for the Government of Thailand
- Expansion in progress to 10+ sites.