



# cem AI Cement Intelligence

## Maximize cement plant reliability with Artificial Intelligence and expert remote support

An innovative predictive maintenance solution, cemAI provides early detection of operational anomalies using AI-based software coupled with the deep knowledge of cement industry experts



### WHY IS cemAI RIGHT FOR YOU?



Minimizes repair and maintenance costs

Reduces downtime significantly, avoids interruptions and achieves the next level of operational efficiency

Supports new working practices, augmented by Covid pandemic, like remote analytical monitoring and issue resolution

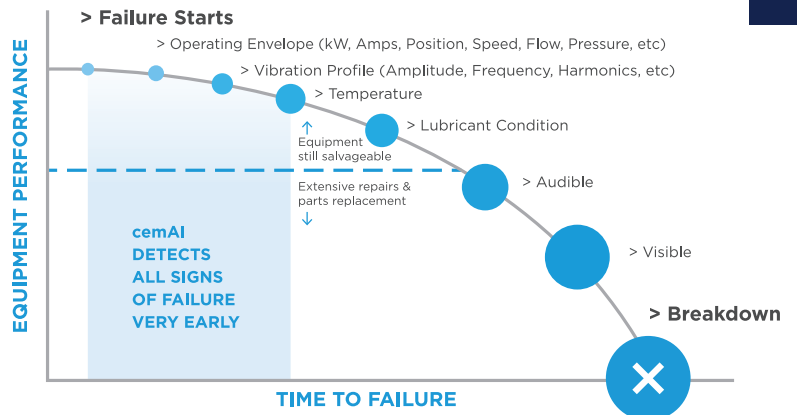
Enables 24/7 asset surveillance and early operational anomaly detection

Propels cement plants into digital era by leveraging analytical power of AI algorithms

Offers world-class cement plant maintenance expertise to any location in the world

### EARLY DETECTION OF OPERATIONAL ANOMALIES

- ▶ Improves reliability factor by 5-10pp
- ▶ Cuts maintenance cost by 10-20pp
- ▶ Reduces unplanned stoppages by 50pp
- ▶ Call-out: One US-based cement plant avoided **\$700k** of potential breakdowns in **9 months!**



## FAST, SEAMLESS AND SCALABLE ROLLOUT

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- Tap into **world-class expertise** and the most sophisticated AI tools with minimum investment
- Set up and run a tailored **AI-based solution** for any cement plant in only 3-4 weeks using existing plant data
- Onboard plant in **less than a week**, once solution has been set up
- Experts in a **24/7 remote monitoring center** review and analyze alerts, providing step-by-step instructions and intuitive dashboards to front-line operators for effective troubleshooting, based on vertical knowledge gained from several plants
- Experts install software either on the **client's server or in cloud**
- Machine learning is continuously improving accuracy of alerts for each plant by correlating events with operational data for **advanced pattern recognition**
- Once successfully implemented in one location, **solution becomes scalable** and can be rolled out quickly to numerous plants

## END-TO-END SERVICE

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**cemAI is the only solution of its kind in the cement sector**, going beyond the usual software-only propositions

**cemAI experts provide end-to-end service**, including root-cause analyses, problem-solving and communicating with the local team when important alerts occur. Corrective actions involve minimum time and effort for the plant

cemAI experts, together with the local team, review performance improvement and jointly develop **roadmaps to world-class performance**



## THE PRODUCT OF POOLED EXPERTISE

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**Optimizing your cement plant.  
Empowering your team.**

**The future of prescriptive maintenance  
is in your hands.**

## FOR MORE INFORMATION

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Please contact us for a presentation and demonstration of what cemAI can do for your company.

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