

CASE STUDY

UptimeAI Powers Operational Excellence
for the 3rd Largest Cement Producer (146 MPTA)

At a Glance



Industry
Cement Industry

Number of Lines
45

Plant output
146 MTPA

Time to deploy per line
2-4 Weeks

Number of Employees
22,920

Market Cap
\$37.37 Billion

Estimated Savings
\$1.34 Million

“UptimeAI fits the bill, with its rapid deployment and prescriptive suggestions designed for clear communication with our operations teams. Our collaboration with UptimeAI has been fruitful and we are happy with the results that we are seeing.”



Objective

Reduce Cost per Ton of Cement production across the 45 sites

Challenge

- Reliability, Performance and Productivity have plateaued
- High dependence on limited SMEs to diagnose issues and act
- Unable to standardize & learn best practices across the 45 lines
- Lack of scalability and ROI with digital solutions

Solution

- ✓ UptimeAI was selected for proven ROI, scalability, & auto self-learning
- ✓ AI Expert deployed for full line - Cyclone, PreCalcliner, Kiln, Cooler, Mills
- ✓ Built-in Failure Modes and Root cause enables diagnosis & actions in hrs
- ✓ > 1 wk early detection and resolution of reliability & performance issues
- ✓ Scale up deployment for additional lines in 2-4 weeks/line

Results with AI Expert OEx Platform



~200,000 MT
of Cement

Saving of Production
Loss



800 hrs

Reduction of Unplanned
Downtime
(Across 2 sites)



\$1 Million+

Total Cost Savings



> 100%

IRR on OEx platform
Investment