

Groundup.ai Brings the World's First Agentic AI for Cognitive Maintenance to The Big 5 Global, Dubai



SINGAPORE/ DUBAI – [October 30, 2025] – Groundup.ai, a fast-growing leader in AI-powered industrial reliability in Asia and the Middle East, is bringing the **World's First Agentic AI for Cognitive Maintenance** to **The Big 5 Global** event in Dubai. This breakthrough technology is urgently needed in the region's asset-heavy sectors—from construction and facilities to transportation—designed to eliminate unplanned downtime, cut maintenance costs, unlock new levels of operational resilience, and accelerate national sustainability goals (e.g., Saudi Vision 2030, UAE Net Zero 2050).

From Prediction to Precision: Reinventing Maintenance in Extreme Environments

In the Middle East, critical infrastructure faces unique stress from rapid expansion and demanding climate conditions. Traditional predictive maintenance systems only forecast when equipment might fail, often leading to slow reactions and costly shutdowns.

Cognitive Maintenance goes a significant step further: it tells operators **what's wrong, why it's happening, and how to fix it**.

By embedding **Agentic AI** into this process, Groundup.ai's solution enables machines to act as self-learning agents. These agents are capable of diagnosing subtle root causes, learning from every repair performed by the crew, recommending precise solutions, and continuously improving based on outcomes—all critical for maintaining stability across large-scale projects.

"This is a reinvention of maintenance built for speed and reliability, two core pillars of the Middle East's growth strategy," said **Leon Lim, CEO & Founder of Groundup.ai**.

*"We're not just predicting problems; we've built a system that acts as a **virtual machine expert**, providing proactive guidance essential for large facilities and remote assets. Our platform delivers actionable insights that drive a clear return on investment, allowing businesses to scale their ambitious projects with **zero false alarms** and faster interventions.*

Our AI learns, reasons, and guides engineers with actionable steps, significantly reducing the guesswork, stress, and wasted effort that undermines operational efficiency."

Driving Real-World Resilience in Regional Infrastructure

Groundup.ai's Cognitive Maintenance solution is already trusted by leading organizations across the region, demonstrating its immediate value in high-stakes environments:

- **Coca-Cola Bottling Saudi Arabia** – achieving measurable ROI in production line efficiency,
- **Hamad International Airport** – boosting uptime across critical infrastructure,
- **Doha Metro** – ensuring uninterrupted rail operations.

By integrating diverse data streams, autonomous AI agents, and deep domain expertise, Groundup.ai transforms maintenance into a sustainability-driven circular economy. The solution helps asset operators predict failures, guide precise fixes, **extend asset lifespan**, and significantly reduce waste and energy use. A direct contribution to the region's Net Zero targets.

Positioning for Industry 5.0 and Regional Growth

The introduction of this technology is a timely strategic step forward for Middle Eastern industry. With the asset-intensive construction and building sector losing billions globally each year to unplanned downtime, Groundup.ai's solution addresses this challenge head-on by creating an intelligent, adaptive maintenance ecosystem where machines do more than generate data, **they generate decisions**.

Presence at The Big 5 Global

Groundup.ai's Agentic AI for Cognitive Maintenance is available immediately for organizations across the GCC and beyond.

Visit Groundup.ai at **Stand Z5 SC09 (Za'abeel Hall 5)** from **24 - 27 November 2025** at the **Dubai World Trade Centre** for live demonstrations and conversations with our experts. See firsthand how we are transforming industrial reliability.

About Groundup.ai

Groundup.ai delivers AI-powered Cognitive Maintenance that equips maintenance teams with real-time intelligence to keep mission-critical equipment running at peak performance with zero downtime.

Powered by proprietary IoT sensors and autonomous AI agents, our platform continuously analyzes machine data to detect hidden faults, predict failures, and prescribe precise maintenance actions before problems arise.

Deployed across asset-heavy industries such as manufacturing, maritime, defense and infrastructure industries, Groundup.ai enables teams to:

- Eliminate unplanned downtime
- Extend asset lifespan
- Execute data-driven maintenance actions

With Groundup.ai, maintenance becomes proactive, predictive, and measurably more efficient, delivering direct impact to the bottom line. Learn more: <https://groundup.ai/>

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