

MANUFACTURING

TDK SenseEI Leverages Presidio HumanAI to Drive Predictive Innovation and Operational Transformation

TDK SenseEI, a global leader in AI manufacturing technology, teamed up with Presidio to enhance its AI reporting dashboard using Presidio HumanAI (HAI), powered by Amazon Bedrock and Q.

What began as a straightforward request for improved visualization quickly evolved into a transformative AI initiative. This initiative accelerated TDK SenseEI's ability to deliver greater value to customers' manufacturing operations—unlocking scalable innovation, accelerating development cycles, and driving measurable business results.

Challenge:

TDK SenseEI's first-generation dashboard was built on static workflows that constrained its ability to deliver actionable analytics. To enhance customer value, TDK SenseEI required a forward-looking solution capable of AI driven advanced analytics and predictive operations.

Solution:

Presidio deployed HumanAI (HAI), an advanced AI modernization framework powered by Amazon Bedrock and Q, to architect a scalable solution tailored for predictive maintenance and accelerated innovation.

Key actions included:

- Hosting an interactive workshop to uncover deeper operational and modernization needs
- Designing a scalable GenAI architecture using HAI to enable predictive insights and proactive decision-making

Outcome:

The HumanAI modernization initiative delivered impactful results:

- Expanded project scope by **25%** while accelerating time to market by **four weeks**
- Enabled long-term scalability and predictive operations
- Drove significant AWS consumption and laid the foundation for future GenAI phases
- Reinforced Presidio's role as a strategic, innovation-first partner to TDK SenseEI