# 575% Growth by 2030: Azilen Highlights the Data Challenge Behind Physical AI in Manufacturing




IRVING, TX, UNITED STATES, September 29, 2026 /EINPresswire.com/ -- Azilen Technologies, an enterprise AI development company, is drawing attention to the challenge that will decide who wins the Physical AI race in manufacturing: data. According to Juniper Research, Physical AI in manufacturing is projected to grow 575% by 2030; factories are racing to deploy robots, autonomous systems, and intelligent machines. The models are getting smarter every year, but most plants still struggle to feed them clean, connected, real-time machine data.

Physical AI does not fail in a demo. It fails on the factory floor, where machines speak different protocols, data sits in silos, and signals arrive too late or too noisy to act on. A powerful model running on unreliable data cannot deliver reliable decisions, no matter how advanced it is. Azilen believes that for manufacturers, the real starting point for Physical AI is the data foundation underneath it.

> Everyone at IMTS discussed robots and autonomy. Few asked if the machine data was clean, connected, and trusted. Physical AI fails when the data underneath fails."
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> *Chintan Shah, VP – Delivery, Azilen Technologies*

Azilen took this message to IMTS 2026 in Chicago, one of the world's largest manufacturing technology shows, where Physical AI was among the most talked-about themes. At Booth 236374 in the North Building, the company showed how sensorization, industrial IoT, edge computing, and AI engineering turn raw machine signals into predictive insight and smarter production decisions.

Azilen's approach is grounded in real engineering experience. The company has built a multi-

protocol IIoT gateway ecosystem connecting 100+ manufacturing machines, processing more than 70 GB of telemetry per machine annually and managing 80+ industrial gateways across MQTT, HTTPS, and OPC UA. It has also engineered an IoT and edge computing platform for a fleet of 1,000+ commercial dishwashers, creating $1M in potential five-year savings.

Through its IoT development services and Industrial IoT solutions, Azilen helps manufacturers fix the data layer first, then build AI agents that can act on it.

As manufacturing moves toward autonomous, system-led operations, the question is shifting from who can buy the most robots to who can trust what their machines are telling them.

Azilen is helping manufacturers get that answer right.

About Azilen Technologies

Azilen Technologies is a leading AI development service provider in the USA, headquartered in Irving, Texas. The company collaborates with organizations to propel their AI development journey from idea to implementation and all the way to AI success.

From data & AI to Generative AI & Agentic AI, and MLOps, Azilen engages with companies to build a competitive AI advantage with the right mix of technology skills, knowledge, and experience.

The company also specializes in connecting sensing, data, and decision systems into unified architectures that operate across edge, platform, and cloud.

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