XMPro Named as a Sample Vendor for Expert AI Agents in the 2026 Gartner® Emerging Tech Impact Radar

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DALLAS, TX, UNITED STATES, June 10, 2026 /EINPresswire.com/ -- XMPro, the Agentic Operations platform for asset-intensive and mission-critical industries, today announced it has been named as a Sample Vendor for Expert AI Agents in the 2026 Gartner Emerging Tech Impact Radar: Disruptive Technologies on the Far Horizon, published 2 June 2026.

"In our opinion, recognition in the Far Horizon radar matches what XMPro has been engineering toward since the launch of the Multi-Agent Generative Systems framework: expert agents that operate under bounded autonomy, with the orchestration, specialization, and embedded security required for the next class of agentic AI. The shift from generic AI agents to expert agents is the shift industrial operations have been waiting for: agents that understand the specific equipment, processes, and operational constraints they are acting on, not generic agents pointed at industrial data."

> “In our view, the Far Horizon framing in this Impact Radar reflects where XMPro has been engineering all along: industrial agents that combine high autonomy and deep domain specialization.”
>
> *Pieter Van Schalkwyk*

— Pieter van Schalkwyk, CEO, XMPro

According to Gartner, "Expert AI agents represent a future evolution of AI agents that are highly autonomous, deeply specialized, and able to work within

multiagent systems. They are characterized by domain-specific planning and judgment, deep understanding of complex environments (large action spaces), and specialized integrations, culminating in a level of 'expertise' for unsupervised task execution in specialized and regulated environments." (1)

Gartner places Expert AI Agents on the outermost ring of the Far Horizon Impact Radar, six to eight years from early majority adoption, with a "Very High" mass rating. (1)

On the impact of expert agents on existing AI systems, Gartner states: "Multiagent systems with a diverse set of collaborating expert agents will replace general-purpose agent systems. Expert agents will represent a new class of software due to their highly autonomous and specialized nature." (1)

Gartner also states: "Expert agents have a very high mass because they will impact virtually all agentic systems and provide material capability improvements and value outcomes over today's AI agents and conversational solutions." (1)

Gartner concludes: "Expert agents are the future of trusted agentic AI in business, redefining what's possible for task automation in both digital and physical environments." (1)

"We believe multiagent systems built on expert agents will become the standard architecture for industrial operations within the next six to eight years," said Pieter van Schalkwyk, CEO of XMPro. "XMPro's MAGS framework already coordinates specialized agents under bounded autonomy. APEX provides the lifecycle, governance, and supervisory layer. The Operational Identity Model anchors every reasoning step in real industrial context. We have been engineering toward that future since the MAGS framework launched."

How we think XMPro's Agentic Operations Platform Aligns to Expert AI Agent Requirements

The XMPro Agentic Operations (AO) Platform combines industrial intelligence infrastructure with the Multi-Agent Generative Systems (MAGS) framework on top of a composite AI core, designed from the start for the autonomy, specialization, and embedded security that define expert agents.

Domain specialization through the Operational Identity Model (OIM). XMPro MAGS agents are configured against the OIM, which encodes institutional process knowledge, equipment relationships, and operational constraints. Agents reason against this domain context rather than against generic enterprise data, supporting the deep specialization required for expert agent maturity.

Multiagent orchestration. APEX provides the lifecycle, governance, and supervisory layer (the Control Tower) for coordinated agent teams across industrial data streams, operational technology, and enterprise applications. Specialized agents share insights, reach consensus on

recommendations, and escalate to human operators when confidence thresholds are not met.

Bounded autonomy and embedded security. Deontic policy rules define what agents can and cannot do, with role-based permissions, consensus mechanisms for critical decisions, and comprehensive audit trails for compliance in regulated industrial environments.

Composite AI architecture. XMPro combines generative AI for reasoning with symbolic AI, first-principles models, and causal AI for task execution. Agent decisions are grounded in physics, process logic, and causal models, not in language-model heuristics alone.

Industrial integration. XMPro connects directly to SCADA, PLCs, historians, and ERP systems via StreamDesigner, processing live sensor streams and operational data through governed intelligence pipelines.

Decision provenance and audit. Every reasoning step, tool call, and action is logged in the platform's decision provenance layer, with input data, policy checks, and outcomes captured for compliance and incident response.

XMPro's APEX platform and Multi-Agent Generative Systems (MAGS) framework are available immediately for industrial enterprises seeking to deploy domain-specialized, multi-agent systems with bounded autonomy in mission-critical environments. For more information, visit www.xmpro.com.
(1) Source: Gartner, Emerging Tech Impact Radar: Disruptive Technologies on the Far Horizon, Danielle Casey, Tuong Nguyen, 2 June 2026.

About XMPro
XMPro is the agentic operations platform that takes industrial enterprises from monitoring to autonomous operations, on one platform, at their own pace, without changing tooling. The XMPro AO Platform combines industrial intelligence infrastructure with Multi-Agent Generative Systems (MAGS) to give AI agents the operational context, institutional knowledge, and governed execution surface they need to run industrial operations autonomously. XMPro serves Fortune 500 companies across manufacturing, mining, energy, utilities, and other asset-intensive sectors. Headquartered in Dallas, Texas, XMPro has been solving complex challenges for global industrial companies since 2009.

Wouter Beneke - Marketing Lead
XMPro
email us here