

XMPro mentioned in the 2026 Gartner® Agentic Arbitrage: Decoupled Workflows Unlock ERP's \$40 Billion Agentic Core Report

XMPro Multi-Agent Generative Systems run yield-preservation agents in mining: real-time equipment health, failure prediction, dynamic maintenance orchestration.

DALLAS, TX, UNITED STATES, July 16, 2026 /EINPresswire.com/ -- XMPro, the [agentic operations](#) platform for asset-intensive and mission-critical industries, today announced it has been mentioned as a Case in Point in Gartner report titled Agentic Arbitrage: Decoupled Workflows Unlock ERP's \$40 Billion Agentic Core, published 2 July 2026.



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"In our opinion, being cited as a Case in Point in Gartner's Agentic Arbitrage research reflects the kind of operational deployment industrial enterprises now expect from [agentic AI](#): not another

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Pieter Van Schalkwyk - XMPro

dashboard, but agent teams that reason on real equipment health, orchestrate maintenance without human sign-off on every routine decision, and preserve throughput under bounded autonomy. XMPro built APEX, MAGS, and StreamDesigner as that operational layer from day one.”

— Pieter van Schalkwyk, CEO, XMPro

According to Gartner, "AI agents that decouple ERP workflows from the application UI and execute processes

create initial opportunity for agentic arbitrage. Longer and sustained value for ERP product leaders will arise from agents with full contextual understanding and control of complex processes." (1)

On the Core Manufacturing and Operations Management opportunity, Gartner states: "From 2026 through 2030 up to \$3.5 billion is exposed to agentic arbitrage. Exposure is concentrated in workflows subject to high volumes of real-time data and complex interconnected processes that challenge human ability to quickly and properly respond. Advances in multistep reasoning and real-time state management enable agents to operate within tightly bound production environments to reduce inefficiencies and delays where margins have always been challenged."
(1)

Gartner also identifies core manufacturing constraints that any agentic solution must navigate: "Agents will find challenges navigating proprietary integration and strong control points often found in the landscape for core manufacturing systems. Many of these systems are on-premises-based with architecture and technologies that can be decades old." (1)

"We believe the agentic arbitrage opportunity in core manufacturing is real, but capturing it requires more than adding an AI agent onto an ERP screen," said Pieter van Schalkwyk, CEO of XMPPro. "The operational data lives in SCADA, PLCs, historians, and MES systems, not in the ERP UI. The decisions have real-world consequences on equipment, safety, and throughput. That is why XMPPro built APEX as the orchestration and governance control plane, MAGS as the multi-agent framework, and StreamDesigner as the direct integration layer to industrial operational technology. Composite AI grounds every reasoning step in physics and process logic. The Operational Identity Model anchors every agent in real equipment, process, and asset context. That is what lets us deploy yield-preservation, predictive-maintenance, and production-coordination agents in environments where the equipment is decades old, the integration is proprietary, and the cost of a wrong decision is measured in downtime and safety."

How we think XMPPro's Agentic Operations Platform Aligns to Core Manufacturing Agentic Arbitrage Opportunities:

The XMPPro 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 tightly bound production environments core manufacturing and operations require.

Multi-agent yield-preservation framework (MAGS): Specialized AI agents coordinate under bounded autonomy to monitor equipment health, predict failures, and orchestrate maintenance schedules, parts, and crews. Agents share insights, reach consensus on recommendations, and escalate to human operators when confidence thresholds are not met.

Orchestration and governance (APEX Control Tower): APEX provides centralized lifecycle management, governance controls, and supervisory monitoring across agent teams. Every agent has an identity, a policy boundary, an audit trail, and an objective function before it runs. The Control Tower exposes the economics of agent operations: automation mix, SLA attainment,

escalation rates, and cost per decision.

Bounded autonomy without human sign-off on every routine decision: Deontic policy rules define what agents can and cannot do. Guardian agents apply standards, evaluate workflow quality, and decide whether to proceed or escalate. Routine decisions execute automatically within policy; exceptional decisions escalate.

Industrial integration with legacy operational systems (StreamDesigner): XMPPro connects directly to SCADA, PLCs, MES, historians, and ERP systems via StreamDesigner, building governed intelligence pipelines that process live sensor streams and operational data. Purpose-built for the proprietary integration and strong control points core manufacturing systems present.

Composite AI architecture: XMPPro combines generative AI for reasoning with symbolic AI, first-principles models, and causal AI for task execution. Agent decisions are grounded in physics and process logic, not in language-model heuristics alone, reducing the risk of plausible-but-wrong outputs on equipment and production decisions.

Domain specialization through the Operational Identity Model (OIM): XMPPro MAGS agents are configured against the OIM, which encodes institutional process knowledge, equipment relationships, well/asset/line metadata, and operational constraints. Agents reason against this domain context, not generic enterprise data.

XMPPro's APEX platform and Multi-Agent Generative Systems (MAGS) framework are available immediately for manufacturers and operators seeking to deploy yield-preservation, predictive-maintenance, and production-coordination agents under bounded autonomy in tightly bound production environments. For more information, visit www.xmpro.com.

(1) Source: Gartner, Agentic Arbitrage: Decoupled Workflows Unlock ERP's \$40 Billion Agentic Core, Chris Pang, George Brocklehurst, Amarendra., Dennis Gaughan, 2 July 2026.

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About XMPPro

XMPPro 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 XMPPro 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. XMPPro serves Fortune 500 companies across manufacturing, [mining](#), energy, utilities, and other asset-intensive sectors. Headquartered in Dallas, Texas, XMPPro has been solving complex challenges for global industrial companies since 2009.

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