One digital twin for all your needs

What's the offer?

Smart Spatial builds future-ready digital assets designed to support visualization, simulation, and operational workflows. It extends digital twins beyond visualization through integration with NVIDIA® Omniverse and support for SimReady assets.

By structuring 3D models with simulation-ready geometry and metadata, organizations can run physics-based simulations, test configurations, and explore "what-if" scenarios before deployment. This enables the same digital twin used for product storytelling and solution design to also support engineering validation, operational planning, and AI-driven simulation workflows.

Organizations can ensure their digital twins are prepared for physics-based simulation, AI workflows, and evolving enterprise use cases—without needing to recreate assets for each new application.

Who will buy it?

Target industries and use cases:

- **Data center and factory operators:** Demos, briefings, and scenario exploration for changes and expansion, operational visibility, and training
- **Manufacturing OEMs and technology vendors:** Sales enablement for complex products and visualization of system configurations, options, and constraints
- **Infrastructure solution providers:** Articulation of end-to-end solutions spanning multiple vendors and systems that can aid faster stakeholder understanding and less sales friction
- **Transportation authorities:** Stakeholder alignment across operations, safety, and capital planning, training and scenario walkthroughs, and visualization of infrastructure upgrades and operational changes
- **Commercial real estate managers:** Portfolio-level visualization and storytelling for tenant engagement, operational understanding, and improved alignment between asset management, leasing, and operations
- **Utilities operators:** Visualization of legacy and modernized infrastructure, training and operational awareness for distributed assets, and decision support for maintenance and resilience planning
- **Public infrastructure managers:** Cross-agency alignment using a shared spatial model, visualization of urban systems and infrastructure initiatives, and storytelling for complex programs
- **Defense organizations:** Secure visualization of complex, high-reliability systems, training and readiness enablement, and shared understanding across technical and non-technical stakeholders

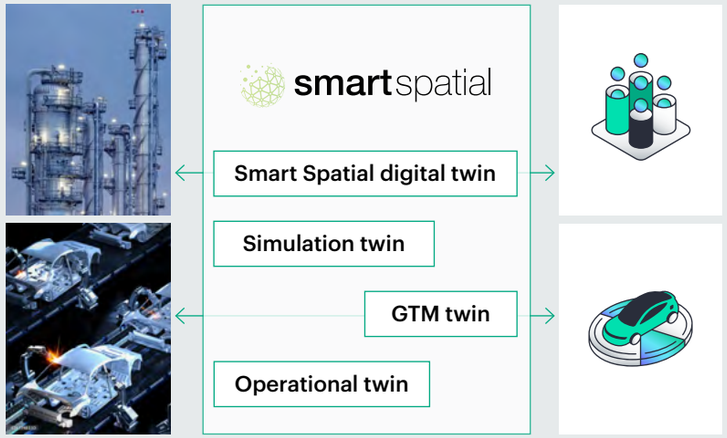
- Faster understanding of complex offerings
- Improved decision quality before commitment
- Stronger internal alignment across teams
- Faster time to value across the lifecycle
- Greater operational readiness and situational awareness
- Continuity instead of fragmented tools

The global digital twin market is projected to grow from ~$35.82 billion in 2025 to

~$328.51 billion

by 2033 (31% CAGR).[1]

[1] Grand View Research, Digital Twin Market: 2026 - 2033.



Customer pain points and solution benefits

Pain point	Solution benefit
Most organizations use different tools for GTM, planning, and operations	Continuity: Uses one high-fidelity Digital Twin across all phases
Assets are recreated, reinterpreted, or lost at each handoff	Preserves context, accuracy, and intent throughout the lifecycle
Complex offerings are hard to explain using slides, diagrams, or videos	GTM Twin transforms complex solutions into immersive, interactive 3D experiences that are intuitive at first glance
Teams must make decisions without fully understanding trade-offs	Simulation Twin enables visual "what-if" exploration using metadata-enriched models and makes constraints, options, and configurations visible and comparable
Operational data is detached from physical context and knowledge is fragmented across tools, teams, and systems	Operational Twin Improves operational visibility through spatial awareness and creates a single source of truth shared across function
Unpredictable pricing models and the need to manage time-consuming, complex procurement processes	Ready-to-quote same day with competitive prices.

Solution components

- **Smart Spatial digital twin** combines advanced 3D modeling, specialized rendering engine (Unreal), and NVIDIA's real-time collaboration and simulation platform (Omniverse) to create immersive, 3D models of complex products and systems.
- **HPE ProLiant Compute DL380a Gen 12 servers** are ideal platforms for digital twins.
- **Intel® Xeon® 6 processors** support digital twins with high memory bandwidth, scalable I/O, and built-in accelerators like Intel® Advanced Matrix Extensions for AI, Intel® Data Streaming Accelerator, and Intel® In-Memory Analytics Accelerator.

What are my next steps?

For help with:

- Sizing and deployment
- Technology review
- Pricing
- Any other questions

Reach out to the following partners:
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More resources

Smart Spatial website
"What is digital-twin technology?" article
HPE ProLiant DL380a Gen 12

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