

NexOps

Powering Smart Factories with Gen AI & Industry 4.0

In today's fast-paced manufacturing landscape, innovation isn't just an advantage—it's essential. NexOps empowers manufacturing businesses to revolutionize operations with Smart Factory solutions, integrating the best of Industry 4.0 and Generative AI to optimize productivity, quality, and agility at every level. Imagine a facility where:



Machines communicate effortlessly.



Real-time data drives smarter decisions.



Intelligent insights propel productivity and quality forward.

NexOps brings the future of Industry 4.0 to your fingertips, transforming your manufacturing capabilities to be more agile, efficient, and responsive to market demands by providing deep visibility across operations at multiple levels.

EDGE



Real-time monitoring for operators to act on performance trends, boosting efficiency and reducing shop floor downtime.

HUB



Consolidates plant data, streamlines communication and enables quick, informed decisions for enhanced productivity.

CENTRAL



A command center with comprehensive analytics, offering actionable insights for resource allocation and strategic planning.

Advanced NexOps Capabilities for Smart Manufacturing Success



Manufacturing Execution Visibility

Gain real-time insights into your manufacturing operations through comprehensive dashboards and reporting tools. Track key metrics, identify bottlenecks, and make data-driven decisions to optimize your production processes.



Yield and OEE Optimization

Maximize your Overall Equipment Effectiveness (OEE) and improve yield with advanced analytics and optimization algorithms. By identifying patterns, predicting potential issues, and recommending corrective actions using Generative AI, NexOps ensures you consistently meet production targets.



Quality Inspection Automation

Streamline quality inspection with AI-powered vision systems and automated inspection tools. NexOps detects defects, measures critical dimensions, and performs complex inspections with unmatched accuracy and speed, reducing manual intervention and enhancing product quality.



Predictive Maintenance

Reduce unplanned downtime and extend equipment lifespan with predictive maintenance capabilities. NexOps uses Generative AI to analyze sensor data, maintenance records, and operational patterns, predicting potential failures and recommending preventive actions to keep assets running at peak performance.

Drive Impactful Outcomes with NexOps



Increased Productivity

Optimize manufacturing processes, reduce waste, and boost overall efficiency through data-driven insights and automation tools.



Improved Quality

Consistently deliver high-quality products with advanced quality inspection and process control capabilities.



Reduced Costs

Minimize downtime, optimize resource utilization, and streamline operations to achieve significant cost savings.



Enhanced Competitiveness

Stay ahead with Industry 4.0 and Generative AI technologies, giving you a powerful edge in the market.



(Scan to book a demo)

Discover the power of Industry 4.0 and Generative AI to reshape your manufacturing journey.

Reach us at marketing@tvsnnext.com or visit tvsnnext.com to learn more.