

# Hitachi Vantara Expands Digital Manufacturing Portfolio as Pandemic Exposes Industry's Need To Modernise Operations

New Manufacturing Practice Delivers Digital Solutions, Services and Consulting To Address Operational and Worker Safety Challenges Presented by COVID-19. Hitachi Vantara Expands Lumada Manufacturing Insights Solutions To Address Health, Safety, Environme

SANTA CLARA, Calif. – May 21, 2020 – Hitachi Vantara, the digital infrastructure and solutions subsidiary of Hitachi, Ltd. (TSE: 6501), today announced an expanded set of offerings to help manufacturers accelerate Manufacturing 4.0 initiatives and to assist with safely restarting production in the wake of the COVID-19 pandemic.

For many manufacturers, the pandemic has not only affected worker health and safety, it has impacted demand, interrupted production, exposed vulnerabilities in supply chains, and driven an urgent need to modernize operations.

Dramatic variations in production capacity and demand illustrate the new stresses being placed on manufacturing supply chains and production planning: after the onset of COVID-19, industrial production in the United States experienced the steepest decline since 1946, yet daily U.S. e-commerce sales jumped 49%.

Hitachi Vantara's new manufacturing practice and its expanded portfolio of digital manufacturing solutions, services and consulting services aims to help manufacturers adapt to these immediate challenges. It also promises to help manufacturers lay the foundations for the digitalization of health, safety and environment (HS&E), asset insights, predictive quality, and operations optimization.

"The COVID-19 pandemic is exposing a litany of challenges for manufacturers that highlight how important unlocking data and digital industrial innovation is to the industry's future," said James Destro, general manager, Manufacturing Practice, Hitachi Vantara. "With our powerful IT and OT experience, Hitachi Vantara can uniquely inspire, envision, architect and accelerate digital transformation that solves today's challenges and prepares manufacturers for the challenges of tomorrow."

New Lumada Video Analytics Solutions for Smart Spaces Address a Top Priority: A Safe Return to Production

Worker health and safety are primary concerns for manufacturers restarting their operations during COVID-19. The expanded portfolio of digital solutions for manufacturing from Hitachi Vantara includes health, safety and environment solutions leveraging Lumada Video Insights technologies which can be used for applications such as elevated body temperature identification and hand-washing detection.

Thermal cameras and lidar technology can detect the temperature of a person from a distance, so that workers can be screened non-intrusively for symptoms of COVID-19 and workspaces can be monitored for compliance with distancing recommendations.

Practice Helps Manufacturers Lay Foundations for Digital Transformation

COVID-19 has revealed many manufacturers' overreliance on manual processes and operations, and the lack of visibility that many manufacturing line managers and executives have into their supply chains. Both hinder manufacturers' ability to respond dynamically during times of uncertain demand.

Modernizing and digitalizing such capabilities will be essential for manufacturers to recover from the pandemic quickly, and to create the more agile and resilient manufacturing operations needed in the future. This is another focus of Hitachi Vantara's new manufacturing practice.

Hitachi's manufacturing innovations, enterprise-class information technology, and intellectual property – coupled with deep, industry-specific consulting expertise and proven methods to accelerate time to value – enable customers to operationalize digital innovation in a protected, deployment-agnostic and end-to-end approach. Hitachi Vantara's outcome-focused consulting process breaks down barriers between OT and IT teams to craft comprehensive solutions that deliver transformative outcomes.

## Hitachi Vantara Expands Lumada Manufacturing Insights Portfolio

Hitachi Vantara today also announced the expansion of Lumada Manufacturing Insights solutions with new domains that help manufacturers address health, safety and environment, supply chain optimization, asset insights, predictive quality, and operations optimization.

Lumada Manufacturing Insights is a portfolio of industrial internet-of-things (IoT) solutions that empowers manufacturers to improve operations through data-driven insights. The portfolio delivers benefits such as improved overall equipment effectiveness (OEE), superior operations efficiency, and product quality optimization through predictive and prescriptive insights.

The new solutions introduced today, coupled to Hitachi Vantara's advisory and consulting services, enable manufacturers to connect production floor Manufacturing Execution Systems (MES) to Enterprise Resource Planning (ERP) systems to create a "digital thread" that provides complete visibility into the data of the organization.

### Supporting References

"The COVID-19 pandemic presents a number of significant challenges for global manufacturers, from ensuring safety for their workers, to supporting new regulatory compliance, to managing and maintaining a strong supply chain and solving for logistics," said Fabio Raffo, associate director for industrial software research at Omdia Research. "As they grapple with operating in the new normal, transformative digital solutions can help to provide significant ROI and play an integral role in helping them to not only solve for and overcome these challenges – but thrive – while providing a foundation for future innovation."

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### Additional Resources

To learn more about the Hitachi Manufacturing Practice, please visit: <https://www.hitachivantara.com/go/manufacturing-services/Blog>: Helping the Manufacturing Industry Modernize and Thrive in a Post COVID World  
Brochure: Hitachi Vantara Practice for Manufacturing Overview  
Blog: How Infrared Video and 3D Lidar Technologies Can Help Flatten the Coronavirus Infection Curve

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