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Inspire the Next

Nestlé and Hitachi Vantara: A Taste of the Data-Driven Future

One existing alliance. One clear goal.
To change the way the world works.

Foreword

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To continue making profound changes at remarkable speed, Nestlé needs the innovation to support its strategic goals.

If you want to discover which strategies, approaches and solutions you need to transform efficiency, generate profit end-to-end, and make the right choices, read this e-book. It will give you valuable insight into the latest technology that will drive your success.

By leveraging your existing alliance with Hitachi Vantara, you can change the future for the better. And today is the best time to begin.

Contents

An insight into your future	3
Making your vision a reality	5
Today: Four key changes to make	6
Tomorrow: the big results	8
Nestlé and Hitachi Vantara's shared vision	10
How to get started	11

An insight into your future



Imagine a world where every customer experience is personal.

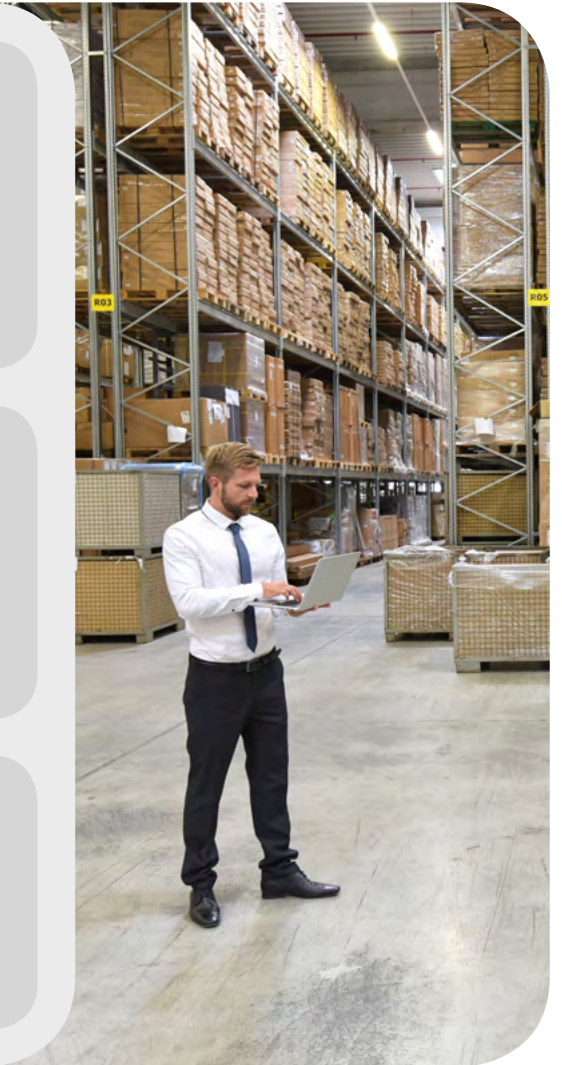
Where data-driven insights and intelligent data governance give you a deeper understanding of your customers. Where you're enabled to personalize experiences for groups of customers and an infinite variety of other personas – or even for individuals.

A place where you can generate end-to-end profit.

Automation and IoT solutions will enable you to engineer waste and inefficiency out of every product line. They will help you optimize complex data pipelines to feed AI and robotics with real-time, comprehensive intelligence that drives machine learning and embeds continuous improvement into every point along the supply line for faster results.

Enter a unique dimension of real-time information.

Use qualitative information for your IoT data pipeline. Track movement, changes, individuals and assets by turning cameras into IoT sensors that change images into insight. This provides your decision makers with accurate and objective observations.





Turn cameras into IoT sensors.

Video can feed the Nestlé analytics engine with data that can be translated from images into insight. This is about more than security. We can track movement, changes, individuals, assets and much more to add a unique dimension of real-time, qualitative information to the IoT data pipeline. Instead of analyzing records and logs after the event (and relying on manual input of data) Nestlé decision makers can make in-the-moment judgements on the efficiency and safety of operational processes.

Discover a modernized world with the infrastructure to match.

Lead the new era with a strong foundation of agile, software-defined infrastructure that will bring you availability, driving efficiencies with data-driven analytics.

Make the right choices with deeper understanding.

Prudent allocation of capital gives you rigorous due diligence, a clear understanding of the risk landscape, a realistic assessment of the value of the opportunity, and true agility in responding to change.

A future together.

These outcomes are just a glimpse into the benefits made possible by enhancing an existing alliance. Hitachi Vantara and Nestlé work together with one key focus – to accelerate growth through digital innovation. Change the future for the better with expert advice and solutions for the data center, the cloud, in analytics and the internet of things.

Making your vision a reality

Hitachi Vantara was established to meet the needs of valued customers like Nestlé.



Your vision is being made real. With the intelligent use of smart analytics, automation and the internet of things, you can focus closely on customers as an ultra-efficient organization.

Hitachi Vantara is a world leader in the development and continuous innovation of these technologies, bringing you platforms and solutions that create a unique blend of possibilities.

We're already working together to build a brighter future. But more can be done to reach your strategic goals.

Explore Managed Cloud Services to deliver storage-as-a-service (STaaS) and backup-as-a-service (BaaS), unlock IoT deployment and analytics with Lumada, drive operational efficiency with video intelligence, and discover even more possibilities with our tailored solutions.

But the biggest opportunity for Nestlé lies in your vision. Values that Hitachi Vantara shares with you. A dedication to innovation, a focus on the customer, a recognition that data is the business-enabling capital of the digital era.

By combining the best brains from two world-leading organizations, we've already begun changing the way the world works.

Achieve your strategic goals with four key changes

1



Turn video into data

With Hitachi Video Intelligence solutions you can turn video into a viable and valuable data source, integrating IoT feeds to deliver meaningful, real-time insight. In effect, you can deploy cameras as IoT sensors, wherever they are needed.

You can use Hitachi Smart Spaces and Video Intelligence to generate rich management insight from video footage.

- Make video a valuable source of IoT intelligence.
- Boost efficiency and productivity with smart analytics.
- Track workflows and footfall through warehouses and factories.
- Analyze processes and identify persistent inefficiencies.
- Enhance safety and reduce risk.
- Reduce crime and waste.

2



Unlock a new model for storage

The consolidation of global data centers has established momentum towards a completely new architecture and culture for IT at Nestlé. In storage, there is an unprecedented opportunity to move from costly capex investment cycles to a STaaS model that delivers an immediate reduction in total cost of ownership.

Storage-as-a-Service from Hitachi Vantara will assist and guide your transformation to a service consumption solution, covering block, SAN and backup services.

- Consolidation and rationalization of storage and backup estate under a new as-a-service charging model.
- Standardization of storage service classes.
- Reduce risk and storage costs.
- Implementation of service levels and active capacity management.



Improve application performance with agile infrastructure

As Nestlé leads the way in consumer packaged goods, focus must be kept on ensuring the foundational infrastructure is sound. Hitachi Vantara's data center modernization solutions help you optimize the storage, protection and processing of data, with flexibility across diverse applications and multicloud environments.

The move to a simplified and more distributed data center model can provide you with a more agile infrastructure, helping to improve application performance and availability everywhere.

- Inherent support for intense workloads.
- Increased capacity without compromising application performance.
- Avoid or reduce errors with predictive maintenance, analytics and automated remediation.

3



Connecting distribution networks through the digital warehouse

With a stable and scalable foundation, you can connect factories to transform efficiency. Hitachi's Lumada can help you enhance operational productivity, quality, maintenance and safety with end-to-end solutions that scale and adapt according to need. And as you look to leverage analytics across operations, the Pentaho analytics platform, combined with the hyperconverged Hitachi Unified Compute Platform, provides the capacity, flexibility and manageability needed to deliver rich and meaningful insight at speed.

Lumada gives you a three-tiered ecosystem with platform, solution cores and co-creation services, accelerating the creation of IoT-based solutions.

- Optimize production with dynamic scheduling.
- Reduce defects with predictive quality.
- Improve efficiency with artificial intelligence and analytics.
- Reduce downtime with predictive maintenance.

4

TOMORROW

Nestlé and Hitachi Vantara: a taste of the Data-Driven Future

Changing the future for the better

1



Modelling new stories

Transform working environments and office campuses with deep insight into how people and processes work, using video intelligence.

- Reduced costs with improved coverage and automated real-time analysis.
- Advanced object recognition to improve data quality.
- Image enhancement and stabilization to minimize errors.
- Privacy protection to ensure outputs are compliant.
- Hitachi Visualization Suite presents a single, web-based interface for immediate actionable insights.



2



The Nestlé cloud

Hitachi Vantara can work with you to architect a full hybrid cloud service as a foundation for Nestlé applications.

- Build compute services to complement the STaaS model, based on Hitachi Enterprise Cloud.
- Exponentially increase in compute capacity for application workloads.
- Unlock TCO savings with added service levels for the compute layer.
- Use a secure, agile and scalable environment for Nestlé operating workloads and applications.



3



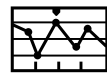
The innovation playground

Partnerships with start-ups are already helping you unlock faster innovation and digitally-driven efficiency. Data center modernization can facilitate and strengthen those relationships.

- Respond faster to business change.
- Create a self-healing, automated and optimized environment for collaboration.
- Use IoT and analytics to manage heterogeneous infrastructure environments.



4



Fast, intuitive analytics everywhere

Hitachi's Pentaho Data Integration and Business Analytics help users access, blend, analyze and visualize all types and sizes of data across multiple dimensions with minimal IT support. They also help embed analytics into existing applications.

The Lumada IoT Platform will give you a three-tiered ecosystem of platform, solution cores and co-creation services, accelerating the creation of IoT-based solutions.

- Easily ingest, manage, blend and prepare any data from any source.
- Speed design and deployment of big data analytics by up to 15 times, compared to hand coding.
- Instantly analyze and visualize data across multiple dimensions.
- Uncover insights easily with reports, visualizations and dashboards, without depending on IT.

To feed the world, Nestlé needs the right nutrition.



Data is the nutrition that will feed Nestlé's future growth and sustain its position as a world leader in the food industry.

With 100 years of OT heritage and 60 years of IT experience, we understand what it means to be a large-scale manufacturer with a global footprint. We're experts in turning IoT data into meaningful intelligence, connecting business, human and machine data, in the data center, the public cloud and across applications, to create an asset that grows in value.

Our IoT analytics solutions, including Lumada and Pentaho, backed by our proven expertise and technologies like the hyperconverged Unified Compute Platform, offer you the capabilities you need to exploit these opportunities and turn data into value.

Get in touch

We share your commitment to data-driven innovation.

Take the time to learn more about what you can do when data is at the heart of your innovation.

Let's shape your future together.

Talk to your dedicated Nestlé Account Team, via **robert.moreno@hitachivantara.com** to get started.



Visit your dedicated landing page
to find out more

HitachiVantara.com/go/Nestle