

Data unity that fuels group-wide agility

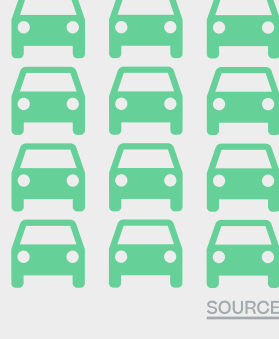
How unifying Volkswagen Group's data into one connected experience will fuel innovation and drive efficiencies



Digital transformation is far from new, but for the industry's largest automotive players it's also far from over. We know that Volkswagen Group has long set the benchmarks for technology, design and quality. But with an industry landscape that's being redefined by smart factories, connected cars and rising consumer expectations, the new auto leaders will be those that can master and monetise their data the fastest.

10-15%

OF NEW CAR SALES WILL BE HIGHLY-AUTONOMOUS VEHICLES BY 2030



SOURCE

20PB

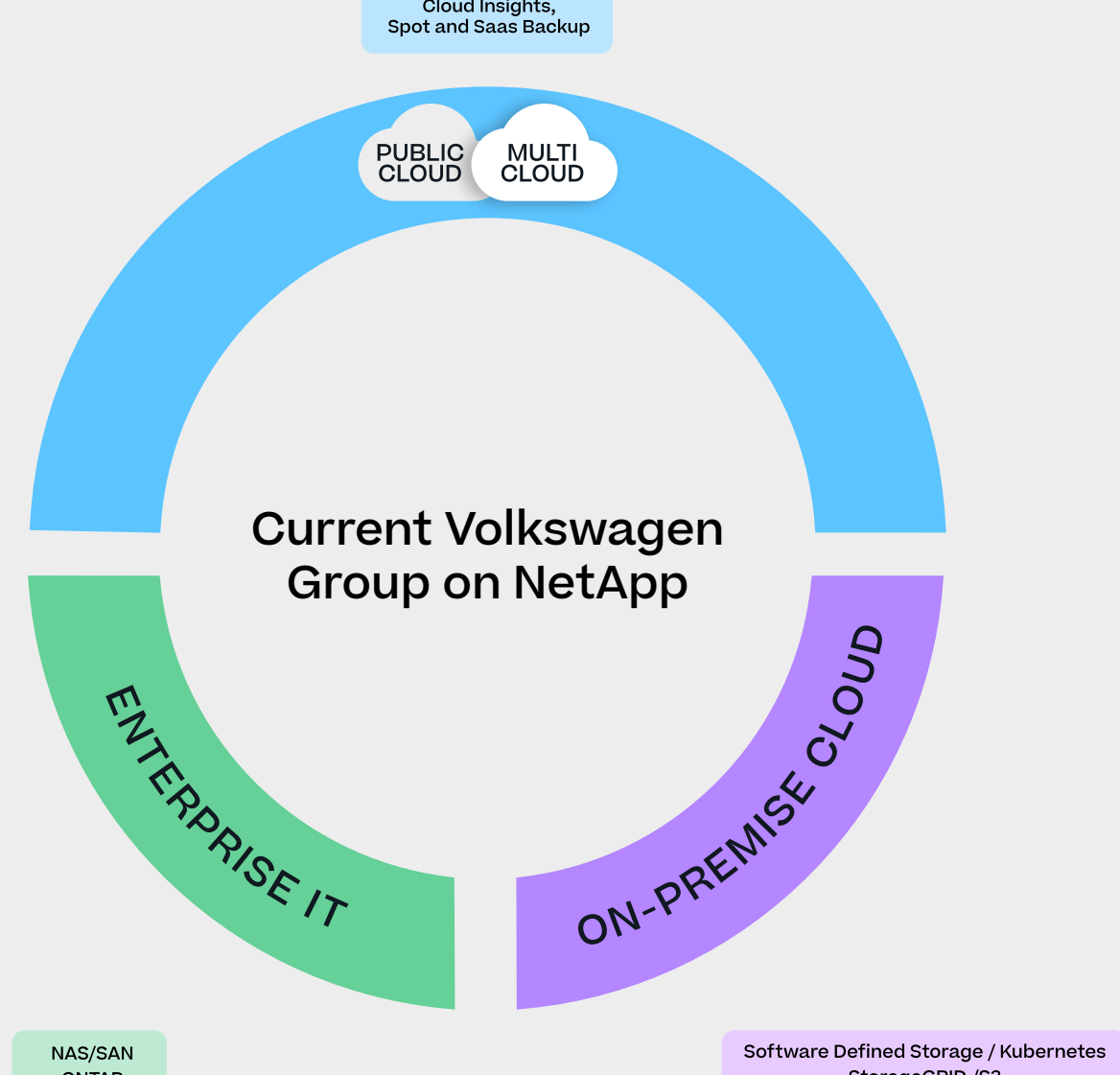
OF DATA LAKE CAPACITY IS REQUIRED FOR EVERY 10 TEST CARS PER YEAR



SOURCE

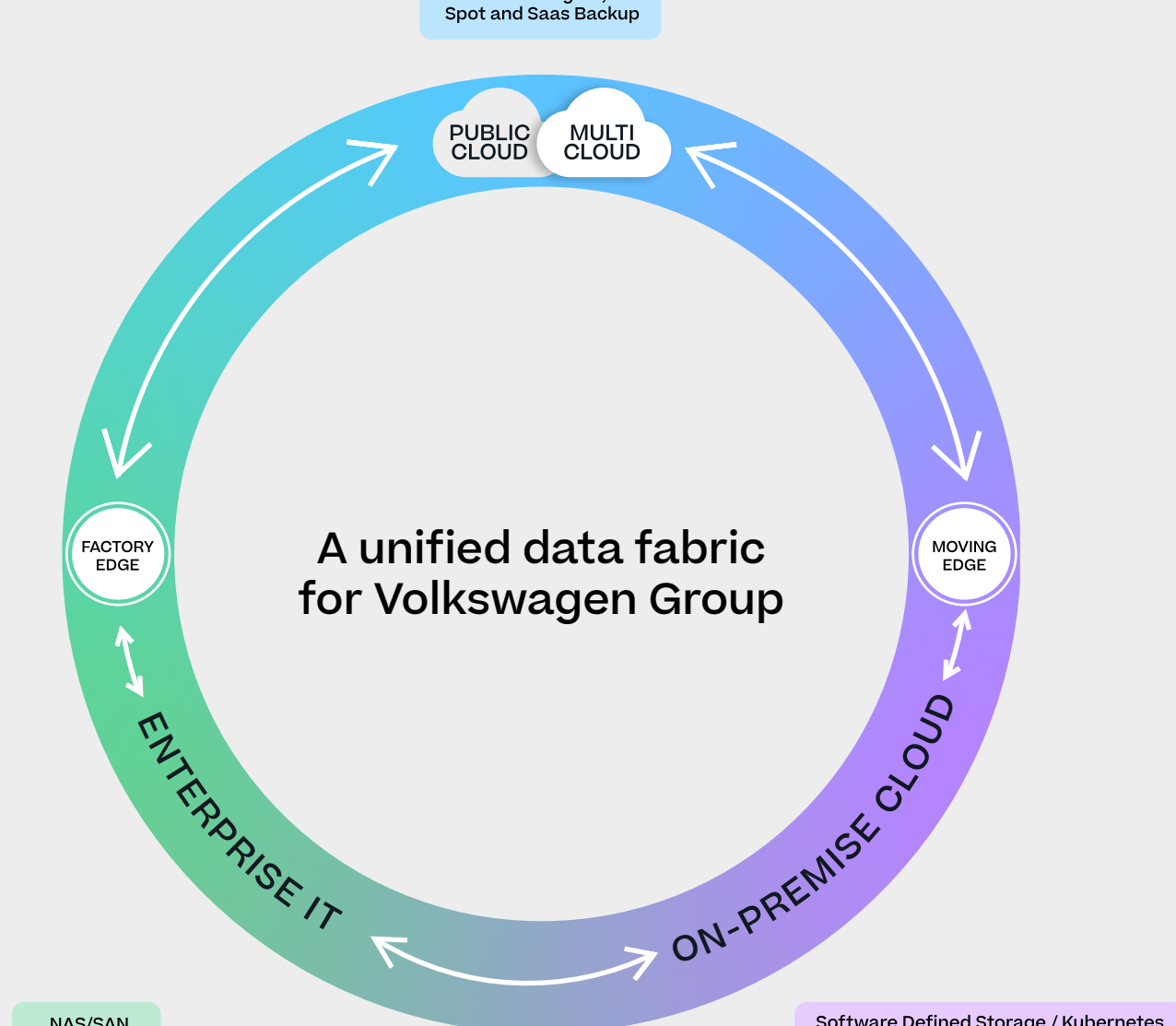
Building upon solid foundations

From vehicle design to manufacturing, today's auto sector runs on data. But, if it's not connected and available, operations can't run efficiently. Thanks to the investments Volkswagen Group has already made, you have some great foundations in place to manage your data more effectively.



Connecting Volkswagen Group's data from edge to core to cloud

We can help Volkswagen Group to capitalise on these investments by building a group-wide data fabric that creates a unified data experience across every business in the network. This will empower you to connect and manage data from every part of its operations, whether it's on-premises, a hybrid environment or the cloud.



Building a unified data fabric like this will help Volkswagen Group:

- Bring its data and systems together as a connected experience to enable substantial cost savings
- Accelerate transformation to create stronger collaboration and faster innovation
- Harness the power of hybrid cloud and build a hybrid multicloud experience
- Respond more quickly by accessing data where it is needed most
- Create an agile data pipeline with secure, scalable data flow between all locations

Ducati case study

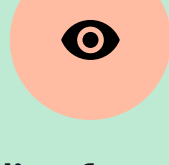
We were able to leverage the data fabric and we fully understand that the future will be in the hybrid cloud, as we will face new challenges with products that need to be more and more connected.

Konstantin Kostenarov, Chief Technology Officer, Ducati Motor Holdings

By working with NetApp to build its data fabric, Ducati was able to:

- Develop a hybrid cloud strategy that could meet its current and future IT needs
- Tap into data generated by over 60 physical sensors on their MotoGP motorcycles
- Enable engineers to conduct telemetry processing directly inside the box — on the track and in real time
- Improve its data management strategy, including versioning, security, and snapshots
- Consolidate a wide range of workloads and 200 applications
- Harness data from over 15,000 motorcycles to roll out "connected bikes" to consumers worldwide
- Support 90 virtual machines in a disaster recovery center
- Reduce the time to develop prototypes and get new motorcycles to market by 30% by moving data to a hybrid cloud

How a unified data experience can bring value to every part of Volkswagen Group's operations



Enhancing visibility for your supply chain

Having a unified data fabric will give you the end-to-end visibility you need to identify and eliminate issues and manage the journey of parts more intelligently, helping you realise new value across your automotive supply chain.



Making your manufacturing even smarter

When you have a single unified data platform across edge, core and cloud you can better harness the data generated by multiple smart factory devices. And with rich, real-time production analytics and ML-based insights, you'll be able to jump on issues early and enable predictive maintenance.



Maximising the value of your AI-generated data

With a future-proof platform for your AI journey, from analytics and HPC to autonomous decisions, Volkswagen Group can speed the development of autonomous vehicles and monetise the vast quantities of data from your connected vehicles.

Ready to unite Volkswagen Group's data and unleash the full power of a connected experience?

Find out how