



NEWS RELEASE

NetApp Powers Porsche Motorsport to ABB FIA Formula E World Championship Wins with Data-driven Cloud Solutions

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SAN JOSE, Calif– July 13, 2022 – NetApp® (NASDAQ: NTAP), a global cloud-led, data-centric software company, and TAG Heuer Porsche Formula E Team, today announced a multi-year partnership. NetApp will provide the sportscar maker with innovative hybrid cloud solutions that will help them continue to write car racing history^[1].

Porsche AG, a global automotive brand owned by Volkswagen Group, has begun shifting production towards electric or e-fuel powered vehicles in 2015. By the year 2030, Porsche AG aims for 80% of all vehicles sold to be electric. Tapping into NetApp's real-time data services, TAG Heuer Porsche Formula E Team helps deliver on the vision of sustainable mobility while enabling the real-time adjustments that deliver superior race performance – and help drive the next generation of Porsche electric vehicles.

Real-time data collaboration service for the racetrack

NetApp's hybrid cloud solutions enable TAG Heuer Porsche Formula E Team to access their data trackside to support driver and team performance. This helps them make data-driven decisions in real-time, for example when to use the Formula E Attack Mode, which unlocks an additional 30 kilowatts of engine power. The rules about engaging Attack Mode are set by FIA shortly before every ePrix, hence it has a great impact on race strategy.

With data at the core of racing, business, and engineering decisions, the TAG Heuer Porsche Formula E Team requires cutting-edge data management technology:

- Data and systems need to be available at the racetrack and fulfill demanding performance requirements.
- Digital data collected during the ePrix must be uploaded to the cloud for analysis while the race is still running.
- Cloud data needs to be processed by the team at Porsche Motorsport headquarters in Weissach, Germany for R&D.
- After the race, data must be transferred to the cloud so it can be utilized in the future, and to support crucial data services such as backup and archiving.

The hybrid cloud data solution designed by NetApp and Porsche in response combines cloud network-attached



(NAS) storage services with Global File Cache to ensure data can flow seamlessly and quickly between different widely dispersed locations. It also integrates powerful NetApp data services to ensure version consistency, manage and monitor cloud resources, and protect Porsche's intellectual property:

- **Cloud Volumes ONTAP** is the primary storage platform for TAG Heuer Porsche Formula E Team. The multicloud solution deployed on Azure acts as a hub that consolidates all the team's data.
- **Global File Cache** , the cloud volume edge capability provides local edge instances, enabling low-latency access to a common dataset, both at the on-premises development center in Weissach and the racetrack.
- **Cloud Manager** delivers centralized orchestration across hybrid cloud storage infrastructure and all data management services, so that TAG Heuer Porsche Formula E Team can manage, monitor and automate all their data software and hardware consumption.
- **Cloud Backup** integrates as backup and archive layer for the consolidated cloud data.

"Formula E is a technology showcase and R&D backbone for Porsche and preserves our strong motorsports heritage on the road and on the track," said Friedemann Kurz, Head of Motorsport IT, Porsche. "Data is the defining element here, but it is not easy to harness when the racing team is always on the road. The solution created by NetApp is unique in the market in how it can move huge amounts of data at high speed while delivering an intuitive experience across edge, core and cloud so we can design better, faster cars for our racecar drivers and car enthusiasts everywhere."

"This is a winning partnership in which two champions meet eye-to-eye. Porsche has secured over 30,000 wins in all major car racing series. NetApp has submitted more than 2,500 data innovation patents. Joining forces now, we are working to make our mark on the future of racing," said James Whitmore, Executive Vice President and Chief Marketing Officer at NetApp. "Digital data is collected by the cars' many sensors as they dart along the track and is processed synchronously to predict outcomes to aid the trackside team. Data equals speed."

Additional Resources

- Visit newsroom.porsche.com/formulae and media.porsche.com/formulae online
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About NetApp

NetApp is a global, cloud-led, data-centric software company that empowers organizations to lead with data in the age of accelerated digital transformation. The company provides systems, software and cloud services that enable them to run their applications optimally from data center to cloud, whether they are developing in the cloud, moving to the cloud, or creating their own cloudlike experiences on premises. With solutions that perform across diverse environments, NetApp helps organizations build their own data fabric and securely deliver the right data, services and applications to the right people—anytime, anywhere. Learn more at www.netapp.com or

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About Porsche in Formula E

With the Porsche 99X Electric, Porsche returned to open-wheel single-seater racing in 2019 after more than 30 years and celebrated a successful debut scoring second place at the season-opener in Saudi Arabia's Diriyah in the ABB Formula E season 6. In 2021/2022, the TAG Heuer Porsche Formula E Team contests its third Formula E season with the Porsche 99X Electric – and clinched an historic one-two result in Mexico on 12 February 2022. The fully electric racing car sporting the Weissach-developed Porsche E Performance Powertrain also serves as a development platform for the sports car manufacturer's fully electric production models. Energy management and efficiency are important factors of success in Formula E and in the development of production cars. For the 2021/2022 season, the 99X Electric has a maximum output of 250 kW in qualification mode and 220 kW (last season 200 kW) in normal race mode. Attack Mode boosts the output to 250 kW (last season 235 kW). Maximum recuperation is 250 kW; the usable battery capacity is 52 Kilowatt-hours.