



Hewlett Packard
Enterprise

SOLUTION:
Edge to cloud

INDUSTRY:
Sports and entertainment

COUNTRY:
United Kingdom

INSIGHT WINS THE RACE

“We don’t have the luxury of time to relay data back to the factory to be computed on our high performance clusters and then get the results back to the track. We have to be able to process the data and make those decisions at the edge.”

– **MICHAEL TAYLOR IT DIRECTOR**, MERCEDES-AMG PETRONAS FORMULA ONE TEAM

Official Team Partner



During 2021—a Formula One season like no other, Mercedes-AMG Petronas Formula One Team made history achieving its eighth consecutive FIA Constructor’s World Championship title. Driver Lewis Hamilton also broke the record for most F1 wins, reaching a total of 103 for his career. What does it take to keep performing at the highest level of the sport? From trackside to factory, data powers every single victory.

[EXPLORE DIGITAL GAME CHANGERS](#)

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OBJECTIVES

- Invent, test, and implement design innovations as quickly and cost-effectively as possible
- Run aerodynamics and race strategy simulations to enhance performance
- Gather and analyze on-track data to inform strategies and make real-time race-day decisions

REQUIREMENTS

- Streamline data management from edge to cloud
- Deploy high performance compute and infrastructure automation for faster team operations
- Deliver enterprise-grade processing and management capabilities at trackside

SOLUTION

- HPE Edgeline EL4000
- HPE Apollo 6500 Gen10 System
- HPE Moonshot
- HPE Synergy
- HPE ProLiant DL380 Servers
- HPE OneView
- Advisory and Professional Services from HPE
- HPE Pointnext Complete Care

OUTCOMES

- Enhances trackside compute, speeding up data analysis for decision-making and car performance adjustments

Official Team Partner



AMG
PETRONAS
FORMULA ONE TEAM

- Accelerates pre-event simulation from 3 days to 1, providing better accuracy for races
- Leverages ML for large image analysis, making a process 90% faster and allowing the team to run more iterations

ADDITIONAL RESOURCES

- [CASE STUDY](#)
- [DIGITAL GAME CHANGERS](#)
- [BLOG](#)