

Solution:
OEM

Industry:
Manufacturing

Country:
United States

Optimizing semiconductor testing with live business intelligence

“Our HPE powered edge servers consume customer data right where it’s produced, providing intelligence that can reduce test times, increase production rate, and improve yields.”

– **Amit Kucheriya**, Program Director, ACS Edge, Advantest America, Inc



Advantest is the leading global producer of automatic test equipment for the semiconductor industry. Semiconductor chips are used in thousands of products, from personal computers and smartphones to medical devices and smart appliances. Advantest’s customers rely on its equipment to quality test its chips, ensuring every product shipped meets rigorous quality standards.

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Objectives

- Process business intelligence data in real-time to optimize semiconductor testing
- Improve chip yields by evaluating test data
- Analyze massive volumes of information efficiently to reduce test times

Requirements

- Servers powerful enough to work in tandem with industrial-grade test cells
- Platforms with exceptionally long lifespans running for years or decades on the factory floor
- Edge hardware reliable and secure enough to deploy proprietary machine learning algorithms

Solution

- Work with HPE OEM for its global reach and robust product offerings
- Secure and reliable platform with world-class services from HPE OEM

Hardware

- HPE ProLiant DL360 Servers



Benefits

- Reduces testing time for Advantest's customers improving efficiency, output, and profit
- Enables customization to swap out processors, hard drives, memory, and even add GPUs
- Generates insights based on live data to immediately implement during production on the test floor

Additional resources

- [Read the solution overview](#)

Learn more at

- [HPE.com/us/en/oem.html](https://hpe.com/us/en/oem.html)