



# NASA Ames Builds its Next-Generation Supercomputer 'Aitken' on Modular Architecture

Having outgrown its current High Performance Computing (HPC) data center, NASA Ames' NASA Advanced Supercomputing (NAS) Division began the buildout of a large petascale system called Aitken, its next flagship supercomputer, built by HPE using a containerized architecture with 2nd Generation Intel® Xeon® Scalable processors. The new modular computing design takes advantage of the performance and scalability of Intel Xeon Scalable processors and the local temperate climate to cool the systems. The new Intel processors will allow scientists to accomplish research not possible on existing machines, such as running models longer and getting faster turnaround on detailed simulation results.

<b>Products and Solutions</b> <a href="#">2nd Generation Intel® Xeon® Scalable Processors</a>	<b>Industry</b> Aviation and Aerospace	<b>Organization Size</b> 1,001 – 5,000	<b>Country</b> United States	<b>Partners</b> <a href="#">HPE</a>	<b>Learn more</b> <a href="#">Case Study</a>
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