



Asetek Liquid Cooled Intel® Compute Modules Installed by Ace Computers in HPC Cluster for U.S. Defense Contractor

San Jose, Calif. – November 12, 2018 – Asetek, the leader in flexible, reliable and proven liquid cooling for high performance computing (HPC) and artificial intelligence (AI), announced that its latest generation of direct-to-chip (D2C) liquid cooling technology incorporated into new Intel® Compute Modules has been installed by Ace Computers in a new high-performance computing (HPC) cluster for a U.S. Defense Contractor. Ace Computers, an Intel Platinum Partner and HPC Data Center Specialist, is one of the first Intel partners to deploy Intel's latest Compute Modules that integrate liquid cooling from Asetek.

HPC, AI and Machine Learning workloads require high performance processors in dense configurations. The racks deployed for these applications have significantly higher power densities and air is no longer a reliable solution to cool these rack types. To solve this challenge, Intel has collaborated with Asetek to bring warm water liquid cooling to the latest Intel Compute Modules featuring Intel Xeon® Scalable Processors and Intel Xeon Phi™ Processors.

The initial deployment of 176-nodes of an approximate 2,000-node HPC cluster was installed by Ace Computers with Intel's new liquid cooled HNS2600BPLC Compute Module with Xeon® Scalable Processors. The Intel Compute Module provides system-level power efficiency to optimize data center power usage effectiveness. It includes Asetek D2C liquid cooling loops and utilizes Asetek InRackCDUs to transfer the heat captured from the nodes to facilities liquid.

"Our U.S. defense contractor client maintains a 5,000-CPU parallel supercomputer system capable of conducting a massive amount of large-scale computational physics analysis to support defense and automotive industries," said John Samborski, Chief Executive Officer at Ace Computers. "By deploying an Intel Compute Module-based HPC cluster with Asetek liquid cooling, we were able to provide the client with a high-performance system that was easy to deploy, is significantly more energy efficient, and is expected to have a payback of under 12 months."

Asetek InRackCDU™ is a warm water cooling distribution unit capable of providing up to 80kW of cooling capacity to enable deployment of high wattage processors in clusters with high interconnect densities. InRackCDU uses warm water up to 45°C (113°F), eliminating the need for expensive and inefficient chillers.

"We are extremely proud to be the only liquid cooling solution validated and factory installed by Intel," said John Hamill, Chief Operating Officer at Asetek. "Ace Computers' recent deployment demonstrates what is possible when combining the latest generation of Intel Compute Modules with industry-leading

liquid cooling technology from Asetek. As a result, data center operators can realize significant increases in rack density and dramatic reductions in data center cooling costs.”

Asetek D2C liquid coolers are available through Intel’s Configuration to Order (CTO) process as a liquid cooling option and can be purchased through regional Intel distributors.

For more information on Asetek’s highly flexible liquid cooling platform that is ideal for efficiently cooling the latest server designs, please visit www.asetek.com/intel/.

About Ace Computers

Ace Computers has been serving the high performance computing market since 1983 and is one of the most established and respected custom technology builders in the world. The company is a Woman-Owned Small Business manufacturer and reseller for the public sector as well as the commercial sector with a stellar record of outstanding customer service, engineering expertise and on-time delivery. Ace Computers is a multiyear CES Award winner and HPCwire Readers’ Choice Award finalist. In addition to some of the finest academic institutions in the U.S., long-term clients include the U.S. Department of Energy and the U.S. Department of Defense. Contracts include GSA, NETCENTS 2 and SEWP V. Headquartered in Greater Chicago, additional locations include New York, New Jersey, Florida, Virginia, Nevada, Arizona, Colorado and Washington. To contact Ace Computers, call 1-877-223-2667 or 1-847-952-6900 or visit <http://www.acecomputers.com/TopProducts.asp>.

About Asetek

Asetek is the global leader in liquid cooling solutions for data centers, servers and PCs. Founded in 2000, Asetek is headquartered in Denmark and has operations in the United States, Germany, China and Taiwan. Asetek is listed on the Oslo Stock Exchange (ASETEK.OL).

Media contact

Margo Westfall
Sr. Marketing Manager at Asetek
+1 408 644.5616
mwe@asetek.com