Best HPC Cluster for Simulation and Modeling Developed by Nor-Tech and Intel

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MINNEAPOLIS, MN, UNITED STATES, May 30, 2018 /EINPresswire.com/ -- Nor-Tech, the leading experts on Intel HPC cluster solutions, just announced a purpose-built simulation and modeling cluster developed collaboratively with Intel. Simulation and modeling applications are designed to run on scalable, high-performance clusters. To support those applications, today's high-performance computing (HPC) systems require multi-core processors, high-bandwidth fabrics, and broad input/output capabilities.

The level of expertise required to properly configure the combined solution can intimidate organizations of all sizes. A branded NT-HPC Simulation and Modeling Cluster from Nor-Tech delivers all the benefits of HPC efficiently and cost-effectively.

Nor-Tech Executive Vice President Jeff Olson said, "Choosing an NT-HPC Simulation and Modeling Cluster takes the uncertainty and frustration out of selecting and deploying a cluster. It allows effortless deployment and management for the productivity boost and superior performance that quickly deliver quantifiable ROI."

The NT-HPC Simulation and Modeling Cluster has several key hardware and software components:

• Intel Xeon Scalable processors
• The Intel Omni-Path architecture HPC fabric for latency-sensitive workloads
• Intel Cluster Checker
• Additional Intel technologies that benefit HPC applications
• Nor-Tech's own branded NT-EZ Cluster Support solutions for expert systems support

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Nor-Tech has been a primary innovator in the HPC cluster space for more than a decade; with an elite staff of expert engineers that average more than 20 years of hands-on experience.

The company's world-class systems incorporate the following key practices for design and configuration:
• Using the right components, such as HPC-class memory and data center drives
• Plug and play setup at the client's site

• Thorough documentation and well-labeled components
• Storage Guard software included to alert clients before their clusters run out of space
• SATM software for ambient temperature-monitoring to protect clusters in the event air conditioning fails
• Options for fast recovery with local spares onsite
• Guaranteed no wait-time support

All of this results in systems that:
• Are performance-optimized for highly scalable simulation and modeling applications using Message Passing Interface libraries
• Reduce the time required to evaluate, select, purchase, deploy, configure and support a workload-appropriate solution
• Improve delivery and uptime through simplified deployment and advanced diagnostic tools
• Are compatible with other HPC applications listed in the Intel Scalable System Framework application catalog

Nor-Tech's expertise and optimal selection of hardware and software deliver industry-leading performance for MPI-based simulation and modeling applications in a single comprehensive, verified configuration. For more information, visit: https://www.nor-tech.com/solutions/hpc/simulation_modeling/.
Nor-Tech is on CRN's list of the top 40 Data Center Infrastructure Providers along with IBM, Oracle, Dell, and Supermicro; and is a cluster builder for 2015 and 2017 Nobel Physics Award-winning projects. Nor-Tech engineers average 20+ years of experience. This strong industry reputation and deep partner relationships also enable the company to be a leading supplier of cost-effective desktops, laptops, tablets and Chromebooks to schools and enterprises. All of Nor-Tech's technology is made by Nor-Tech in Minnesota and supported by Nor-Tech around the world. The company has been in business since 1998 and is headquartered in Burnsville, Minn. just outside of Minneapolis. To contact Nor-Tech call 952-808-1000/toll free: 877-808-1010 or visit http://www.nor-tech.com. Full release at: http://www.nor-tech.com/category/news/. Media Contact: Jeanna Van Rensselar, Smart PR Communications; jeanna@smartprcommunications.com.

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