



The High Performance Computing Company

About HPC Systems

HPC Systems is a leading system integrator of High Performance Computing (HPC) solutions. Since its inception in 2006 (as an equal merger of 10 years in industry, HIT Ltd. and 20 years in industry, Proside Corp.), HPC Systems has quickly established itself as a technology and performance leader in Japanese small to mid-range HPC/EDA market leveraging the significant synergies between both companies' software and hardware engineering. Our company plans for further growth and developments in world class solutions, to support our customers technological development.

Japan's leading HPC integrator

HPC Systems' solutions are in use across the country by power hungry customers in leading research institutes, including government labs, universities and multi-national corporate research centers.

Service stacks

HPC Systems offers a wide range of the application integration service onto the customer's systems. Integration service area covers firmware, operating system, compiler, math libraries, and MPI libraries as well as applications listed below.

Gaussian, Molpro, Amber, WIEN2K, ABAQUS, FLUENT, STAR-CD, ANSYS, MSC/Nastran, Moldflow, LSF, MM5, WRF, CAM, BLAST, CHARM, PETSC, MATLAB, AutoDock, GAMESS, VASP, DL_Poly, WebMO.

HPC System's system integration includes various service stacks.

- Turn key solution : All systems are ready to run upon arrival.
- Product R&D : Carefully tested and selected hardware/software combination for optimal output and stable operation throughout product life.
- Interconnect : State of the art Quadrics QsNetII, Myricom Myri10G, Infiniband and Industry standard 10G Ethernet
- Network setup : Standalone cluster to consolidation of large networked cluster service. Various levels of the network setup services available.
- Cluster setup : All components and software implementation for cluster ready system.
- Operating system : HPC Systems deploys standard OS as RedHat® Enterprise Linux HPC Edition, which is widely recognized and supported OS by both hardware and software vendors.
- Development Environment (Optional) : Wide range of Intel® and other compilers, high performance math libraries and tuned MPI libraries.
- Platform LSF : It is standard to all of our systems.
- Burn-in : To prevent DOA, all systems must pass burn-in process under full load prior to shipping.
- Support : 1 year hardware, return to factory warranty. Optional on-site support contract available.

HPC Systems is an ISO 14001:2004 certified company. Certificate number is RE005, JSAE1129

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