

## Press Release

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# DTL Introduces Linux Networx's LS-P Supersystem

**30 times faster processing speed allows structural analysis  
with even higher speed and precision**

**DTL (Digital Technology Laboratory Corporation)**, Mori Seiki Co., Ltd.'s subsidiary located in Sacramento, California, has introduced **Linux Networx's supercomputer, the LS-P Performance Tuned Supersystem**.

DTL is Mori Seiki's front line for IT technology, developing and analyzing application systems and elemental technologies, and conducting **structural analysis** of design data sent from Japan using their high level of technology. Structural analysis is a method which examines changes of the structure over time by calculating the machine's movements by converting them into mathematical expressions on a computer. It is mainly used for the analysis of static rigidity, dynamic rigidity and thermal displacement. Until recently we were doing this analysis on standard desktop PCs, but in June this year we started using the LS-P Supersystem, in response to the rapidly increasing market demands for shorter development times and more precise structural analysis.

The LS-P Performance Tuned Supersystem is a Linux-based supercomputer which optimizes analysis systems, allowing high-speed, high-precision simulation and generation of 3D models of machine tools. By introducing this system we have been able to complete processing which used to take 3,000 seconds in 100, demonstrating that we can achieve processing speeds **30 times faster**. Also, through more precise analysis, the machine structures can be made even better.

Mori Seiki Co., Ltd. will continue to contribute to the development of the manufacturing of our customers throughout the world by introducing machines with ideal structures, achieved through swift, high-precision structural analysis.

### ■ About Linux Networx

The company is based in Utah in the United States, and is a large supplier of Linux-based supercomputers. Linux Networx's supercomputer has been receiving high praise from customers throughout the world for its various features, such as high cost performance, reliability of the system as a whole, and overall cost of ownership. They have delivered more than 500 sets of supercomputers to more than 200 companies all over the world.