



Media:
Melissa Power
401/454-1314
melissa_power@interprosepr.com

Investors:
John Snyder
206/262-0291
john@snyderir.com

CRAY XD1 SUPERCOMPUTER DELIVERS UNMATCHED PERFORMANCE WHEN RUNNING LSTC'S LS-DYNA SIMULATION SOFTWARE

LS-DYNA Code Now Certified for Operation on the Cray XD1 System

SEATTLE, WA and LIVERMORE, CA, April 12, 2005 — Global supercomputer leader Cray Inc. (Nasdaq NM: CRAY) and Livermore Software Technology Corp. (LSTC), today announced that the Cray XD1™ Opteron™/Linux-based supercomputer has significantly outperformed all other systems running LSTC's popular LS-DYNA computer-aided engineering (CAE) code according to benchmark results reported by Cray, Hewlett-Packard, IBM and other high-performance computing (HPC) vendors. In addition, LSTC announced that it has certified LS-DYNA for operation on the Cray XD1 system.

In several tests designed to measure how well systems perform when using LS-DYNA to solve industrial problems, the Cray XD1 supercomputer delivered superior turnaround times—a key requirement for CAE users committed to shortening their product design cycles—compared to results reported for alternative systems.

“The LS-DYNA benchmarks spotlight how the Cray XD1 system's superior interconnect technology and Linux optimization deliver faster time-to-solution results than other HPC systems based on AMD's Opteron processor—at prices starting under US\$100,000,” said Himanshu Misra, CAE business manager at Cray. “Those technical advantages make it possible for the Cray XD1 system to sustain its exemplary efficiency when scaled, allowing engineers to run CAE jobs on more processors. That means LS-DYNA users can increase throughput on their HPC system and run larger, more complex simulations.”

“LSTC and Cray have had a strong, two-decades-long relationship devoted to improving the performance of LS-DYNA on Cray products and enhancing productivity in the CAE community,” said Dr. John Hallquist, president, LSTC. “The Cray XD1 supercomputer makes our code even more valuable to the engineers who use it to simulate collisions, structural deformations and failures, metal stamping, armor penetration and other complex, real-world materials problems. Now those engineers have a solution that provides optimal performance, functionality and scalability.”

The LS-DYNA benchmark results clearly demonstrate that the Cray XD1 supercomputer, which is purpose-built for HPC code, significantly outperforms other vendors' general-

purpose Opteron-based systems, and also turns in faster results than cluster systems that use Itanium 2 processors. Some highlights:

- A 32-processor Cray XD1 supercomputer was 29% faster than a similarly configured Opteron cluster when running the three-car collision test.
- The Cray XD1 system outstripped the Opteron cluster by 31% in the neon-refined test.
- When matched against a 32-processor Itanium 2 cluster, the Cray XD1 system ran the three-car collision benchmark 9% faster. In a 64-processor configuration, the Cray system was 12% quicker than the Itanium 2 system, demonstrating superior scalability.

The full benchmark data is published at www.topcrunch.org and was valid as of March 31, 2005.

About the Cray XD1 Supercomputer

The Cray XD1 supercomputer combines direct-connect system architecture, HPC optimized Linux, management and reconfigurable computing technologies to deliver exceptional performance on real-world applications. Purpose-built for demanding HPC applications such as computational chemistry, environmental forecasting and CAE, the Cray XD1 system lets users simulate, analyze and solve complex problems more quickly and accurately. The x86-based Cray XD1 system supports a broad range of 32- and 64-bit HPC applications on AMD Opteron single- or dual-core processors.

About Cray Inc.

As the global leader in HPC, Cray provides innovative supercomputing systems that enable scientists and engineers in government, industry and academia to meet both existing and future computational challenges. Building on years of experience in designing, developing, marketing and servicing the world's most advanced supercomputers, Cray offers a comprehensive portfolio of HPC systems that deliver unrivaled sustained performance on a wide range of applications. Go to www.cray.com for more information.

About Livermore Software Technology Corp.

Founded in 1987 and headquartered in Livermore, California, LSTC develops and markets the LS-DYNA general-purpose transient dynamic finite element program and a suite of related and supported software products used in automotive, aerospace, manufacturing, defense, bioengineering and other industries. Engineers employ LS-DYNA to simulate a variety of complex real-world problems that involve time-dependent, nonlinear events. For example, NASA used LS-DYNA to simulate airbag landings for the Mars Pathfinder spacecraft. Go to www.lstc.com for more information.

Safe Harbor Statement

This press release contains forward-looking statements. There are certain factors that could cause Cray's execution plans to differ materially from those anticipated by the statements above. These include the technical challenges of developing high-performance

computing systems, the successful porting of application programs to the Cray XD1 system, reliance on third-party suppliers and Cray's ability to keep up with rapid technological change and to compete against larger, more established companies and innovative competitors. For a discussion of these and other risks, see "Factors That Could Affect Future Results" in Cray's Annual Report on Form 10-K filed with the SEC on April 1, 2005.

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