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FACTS AT-A-GLANCE – August 21, 2007

Eco Innovation(SM) Launch and New Global Datacenters

Today, Sun publicly unveiled three next-generation datacenters around the world and announced the launch of its Eco Innovation Initiative. Below are key facts and statistics for both announcements. News releases for both can be found at <http://sun.com/presskits/2007-0821/>. For photos and video, including executive interviews and footage of the new datacenters, please visit <http://www.sun.com/ecolaunch>.

SUN'S NEW ENERGY EFFICIENT DATACENTERS

Sun's new datacenters in Santa Clara, Calif.; Blackwater, UK; and Bangalore, India were built using breakthrough designs and next-generation efficient systems, power and cooling. Through these efforts, Sun has reduced 267,000 square feet of datacenter space worldwide down to 133,000 square feet.

Santa Clara, California:

- Online since June, 2007
- Phase One: hardware consolidation project, completed in three months
 - 2177 servers consolidated to 1240
 - 738 storage devices consolidated to 225
 - 550 racks down to 65 racks (88% compression of square footage)
 - Reduced power from 2.2MW down to 500KW
 - \$1.1 million in estimated power cost savings per year
 - 456% increase in computing power
 - \$9.3 million in avoided construction costs by decreasing square footage needed for Phase Two
- Phase Two: datacenter design, build-out and deployment, completed in an aggressive 12 months
 - 254,000 sq. ft. down to 127,000 sq. ft. (50%)
 - 30% estimated savings in energy costs per year
 - Nearly \$1 million in rebates and awards from Silicon Valley Power, including one-time \$250k cooling innovation award, the first award of its kind given by the utility
 - \$3 million in avoided construction costs for not raising floors
- Environmental savings: 4,100 tons of CO2 a year, 1% trimmed from Sun's global carbon footprint

Blackwater, U.K:

- Online since January, 2007
- 2,200 sq. ft. consolidated down to 450 sq. ft.
- 80% reduction in physical footprint, 88% improvement in rack utilization

- 100 servers consolidated down to 80 servers
- Reduced power from 184KW to 48KW; 2KW per rack with scale to 9KW per rack

Bangalore, India:

- Online since February 2007
- 10,400 sq.ft. consolidated down to 5,096 sq.ft.
- 51% reduction in server and storage space footprint
- 154% increase in compute capacity
- Migrated applications from 300 older servers to 100 new ones

Sharing Best Practices

Building on its heritage of sharing and open source, Sun will post key learnings from the projects free of charge at www.sun.com/aboutsun/environment/green/datacenter.jsp to help other companies green their own datacenters and be kinder to the planet.

SUN'S ECO INNOVATION INITIATIVE

Sun Microsystems today launched its Eco Innovation Initiative to unite tech innovation with eco leadership. The initiative includes a comprehensive suite of programs and solutions that help customers improve datacenter efficiency and utilization while helping to reduce the environmental impact of computing.

The Sun Eco Ready Kits are made up of three kits:

- **Sun Eco Assessment Kit** – designed to give data centers a physical exam, uncovering inefficiencies and build corrective action plans for Eco friendly computing.
- **Sun Eco Optimization Kit** – helps customers optimize, consolidate, refresh and recycle their hardware infrastructure while taking advantage of special offers on Sun systems, storage and services.
- **Sun Eco Virtualization Kit** - offers virtualization solutions that enable better asset utilization and data center energy efficiency.

The Sun(SM) Eco Services Suite encompasses four service offerings:

- **The Sun(SM) Eco Assessment Service for Datacenter, Basic** is specifically designed to maximize power and cooling in the IT infrastructure running web-based services.
- **The Sun(SM) Eco Assessment Service for Datacenter, Advanced** is a comprehensive datacenter service providing a technical evaluation of datacenter energy use, cooling capacity, rack placement, air distribution and other environmental factors.
- **Sun(SM) Eco Cooling Efficiency Service for Datacenter** helps recover misused air conditioning capacity and direct it to the areas where it is needed, improving hardware cooling and increasing redundancy while helping reduce capital and operating costs.
- **Sun(SM) Eco Optimization Service for Datacenter** provides direct assistance with implementation of corrective actions outlined in the Eco Assessment Service.

To find out more about Sun's Eco Ready Kits and Eco Services Suite, please visit:
www.sun.com/solutions/eco_innovation/offerings.jsp and/or www.sun.com/service/eco

FOR MORE INFORMATION:

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