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Virtualization: Blog Post

Sun, Emerson Alliance to Drive Data Centre Efficiency

*The solution "removes heat at the source, requires minimal data centre footprint"*BY **TONY CHAN**

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Sun Microsystems and Emerson Network Power have joined up in a global alliance to help data centre operators drive efficiencies into new and existing facilities. In other words, the two companies have banded together to sell a package solution consisting of each other's products for data centre operators.

According to the companies, experts from Sun ([data efficiency consultants](#)) and Emerson ([Liebert power, cooling and services specialists](#)) will work together worldwide to "assess, develop and maintain solutions to a variety of customer data centre problems." Of course, the two companies will be more than happy to deliver the plans as well as the product and services that enabled the efficiency and productivity gains.

One of the first customers the alliance has served so far is a data centre at Sandia National Laboratories. The solution that the alliance came up with consisted of [Sun Cooling Door](#) systems, Sun Blade X6275 server modules and Emerson's [Liebert XD](#) precision cooling technology.

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kenny wrote: Very nice blog post. I've also done an analysis of Cisco UCS vs. HP's Matrix.

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The solution “removes heat at the source, requires minimal data centre footprint and helps avoid costly data centre makeovers.” If you check out the product literature, the solution basically uses a door that attaches to the back of Sun Blade modular systems (Sun Cooling Door) that has an integrated cooling system built in. Emerson then provides the actually cooling system to circulate either chilled water or refrigerant gas through the Sun Cooling Door to remove the heat.



According to Sun, its cooling door system is up to 6x more efficient than traditional data centre cooling systems (CRACs?) and increases compute density by up to 70% over in-row cooling.

“Right away, we recognized the great value of our association with Sun and Emerson Network Power, and we believe that our collaboration on a new and highly advanced HPC (High-Performance Computing) solution will provide leading-edge performance to our customers with substantially less environmental impact and much lower lifetime cost than the

other options we had considered,” said Dr Robert W. Leland, director, Computing and Network Services Center at Sandia National Laboratories.

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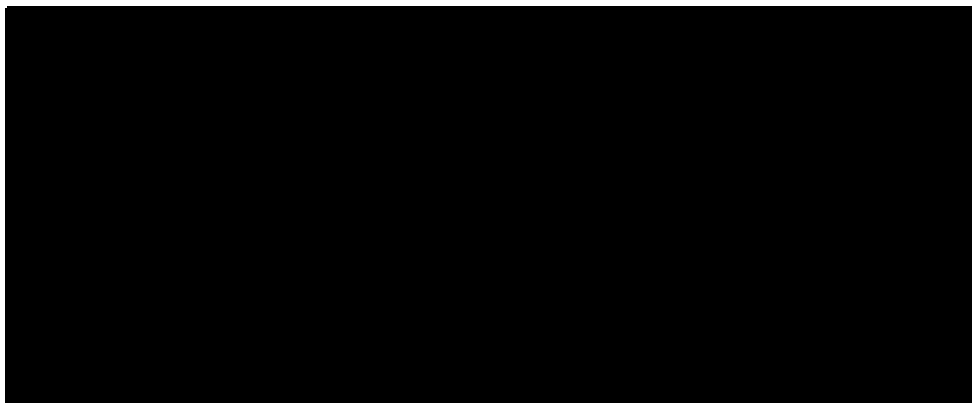
Tony Chan is the founder of the Green Telecom Live website and a seasoned journalist based in Hong Kong. He is currently an editor at CommsDay International, a daily, subscription-based newsletter covering the business, technology, regulation and market developments of the telecommunications industry in Asia and the world.

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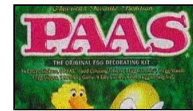
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