

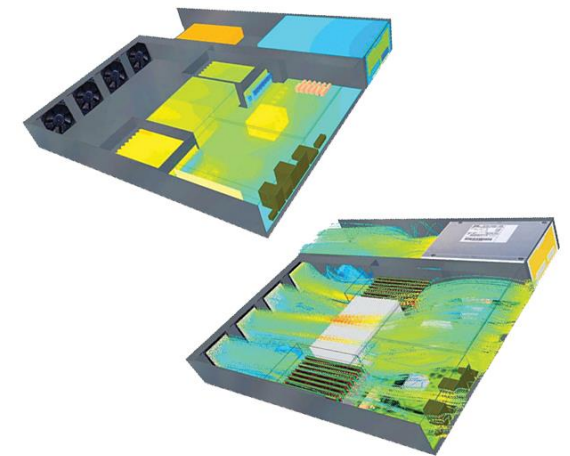
Facebook, California

Facebook's datacenter server design



**Datacenter server design
reduces total cost of
ownership without
reducing performance**

**The power
savings grow to
38 percent and
the cost savings
to 24 percent**



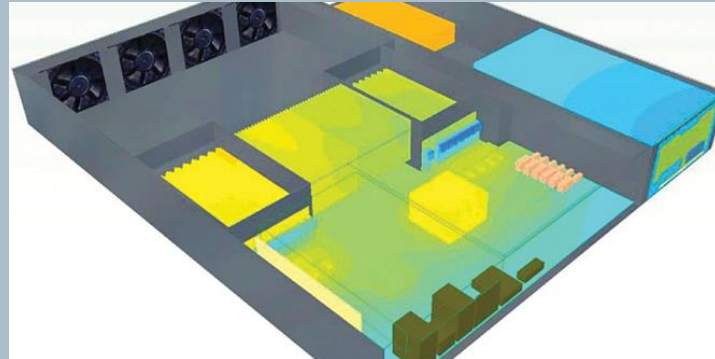
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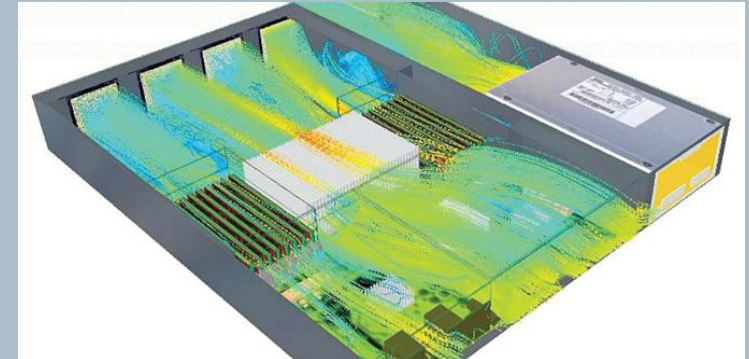


- Facebook became one of the worlds largest sites with corresponding growth in computational requirements
- At a large scale server design translates to substantial savings
- Server design available via the Open Compute Project

Facebook's datacenter server design using thermal efficiency



Simcenter Flotherm isometric view



Simcenter Flotherm airflow speed

- CFD analysis with Simcenter Flotherm improves server power efficiency, cost, reliability, serviceability and environmental footprint

“Large-scale datacenters consume megawatts in power and cost hundreds of millions of dollars to equip. Reducing the energy and cost footprint of servers can therefore have substantial impact.”

Dr. John Parry, CEng., Senior Industry Manager, Mentor, a Siemens Business