How openness is driving efficiency in Data Centers...a perspective from the Open Compute Project (OCP)

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If current OCP designs and practices were applied world-wide today the energy consumed by all the world’s data centres would reduce by more than 50%.

www.opencompute.org
How it all started and where is it today?

How OCP drives the efficiency of a data center?

The numbers…and impact on Europe?
Facebook to Build Its Own Data Centers

Facebook has decided to begin building its own data centers, and may announce its first facility as soon as tomorrow. The fast-growing social network has previously leased server space from wholesale data center providers.

Rich Miller | Jan 20, 2010
Open Compute Project
A collaborative community focused on redesigning hardware technology to efficiently support the growing demands on compute infrastructure.

Enabling the industry to **Consume, Collaborate, and Contribute**
What types of Companies are participating in OCP?
Our Projects

- Networking
- Server
- Storage
- Rack & Power
- Advanced Cooling

Data Center
- Modular DC

Telco
- Edge Sub Project

HW Mgmt

Open Sys Firmware

HPC

Security


https://www.opencompute.org/projects
Open Source is delivering the new technologies

Microsoft readies new cloud SSD storage spec for the Open Compute Project

Microsoft's latest planned contribution to the OCP is a new spec for standardizing SSD storage firmware interfaces for use in cloud data centers.

By Mary Jo Foley for All About Microsoft | March 20, 2018 – 18:58 GMT 11:58 PDT | Topic: Storage
OCP – Modular Data Center

https://www.youtube.com/watch?v=wOM4xIXZe64&feature=youtu.be
Colo Ready Program

https://www.opencompute.org/contributions

https://www.youtube.com/watch?v=FU-9IKWbqwM&feature=youtu.be