

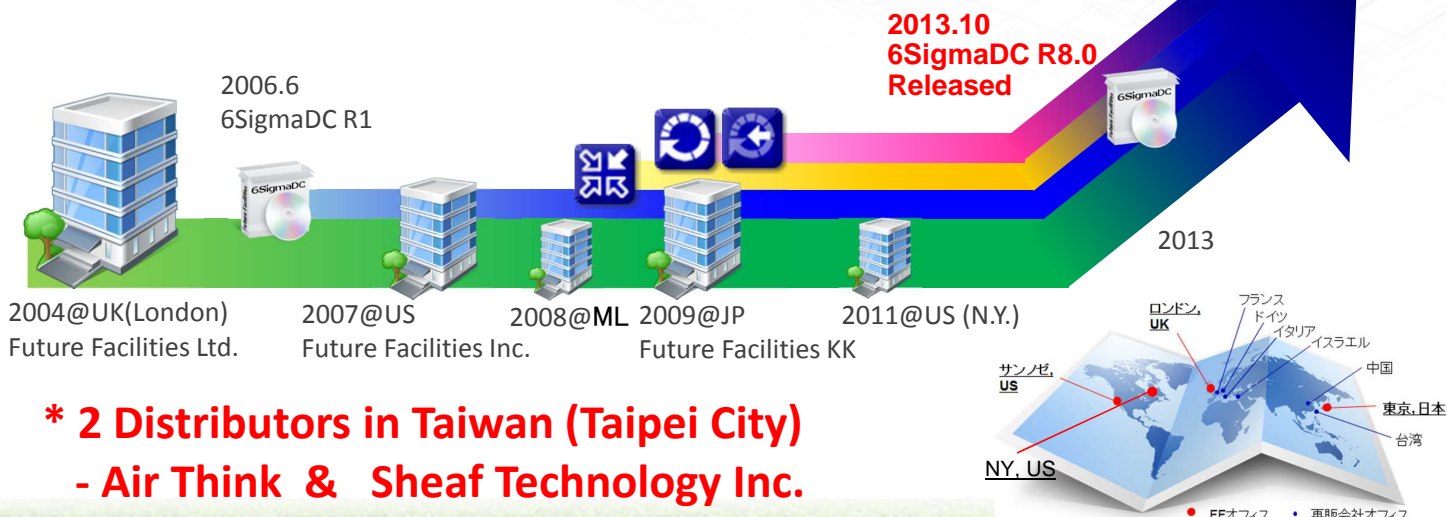
The Latest Airflow and Thermal Simulation Strategy for Electrical Devices and Data Center

Toshi Ikeda
Director, Future Facilities Japan

Company Profile

Future Facilities KK

Location in Japan: S2 Bldg. 5F/ 2-15-22 Shinjuku, Shinjuku-Ku, Tokyo
Established: Dec. 2009
No. of Employees: 53 Engineers (Worldwide)
*** Headquarter:** Future Facilities Ltd (London, UK)



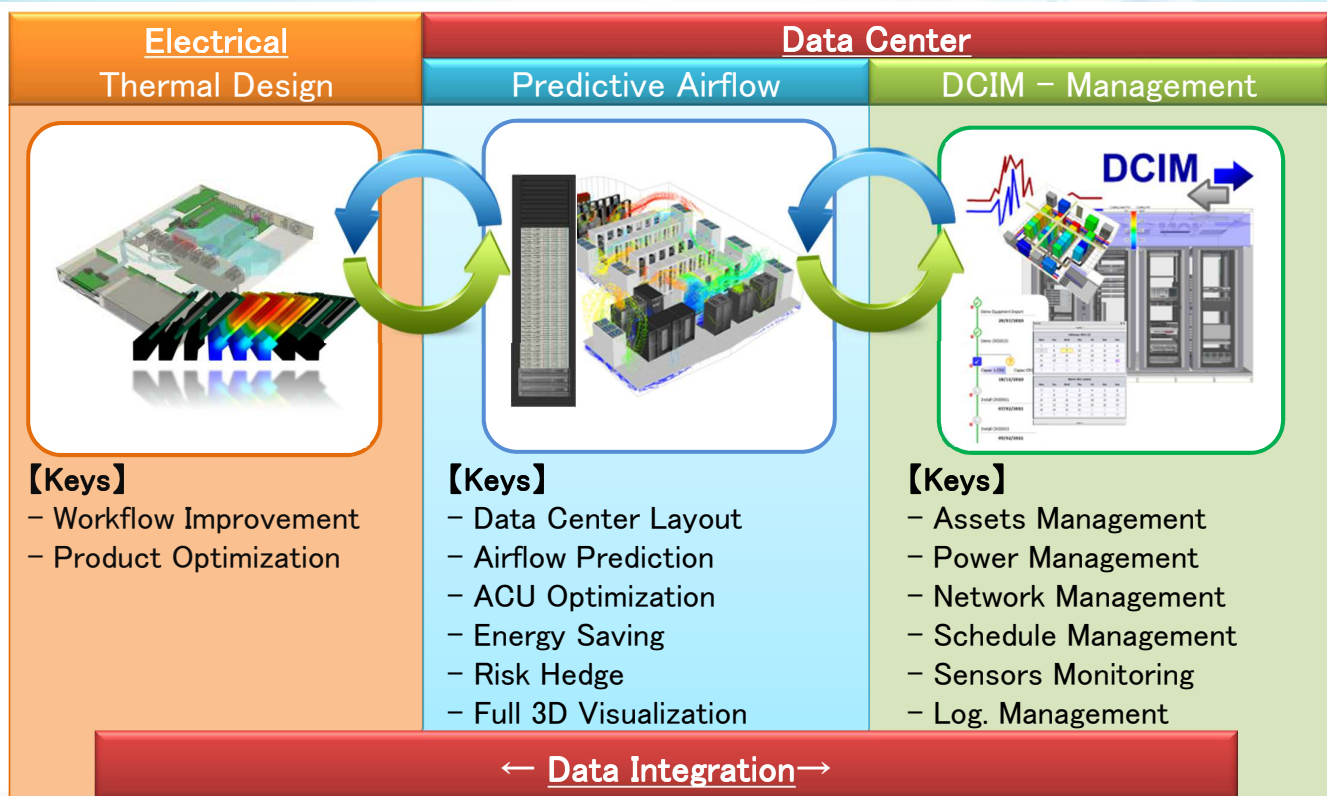
*** 2 Distributors in Taiwan (Taipei City)**
- Air Think & Sheaf Technology Inc.

Why New Strategy is Needed??

- Developing and Producing **GOOD** Products, i.e. Packages, Servers, ACUs
- Saving **ENERGY** = Saving **COST** = being **GREEN**
- In Reality, Understanding **PHENOMENA** what is going on

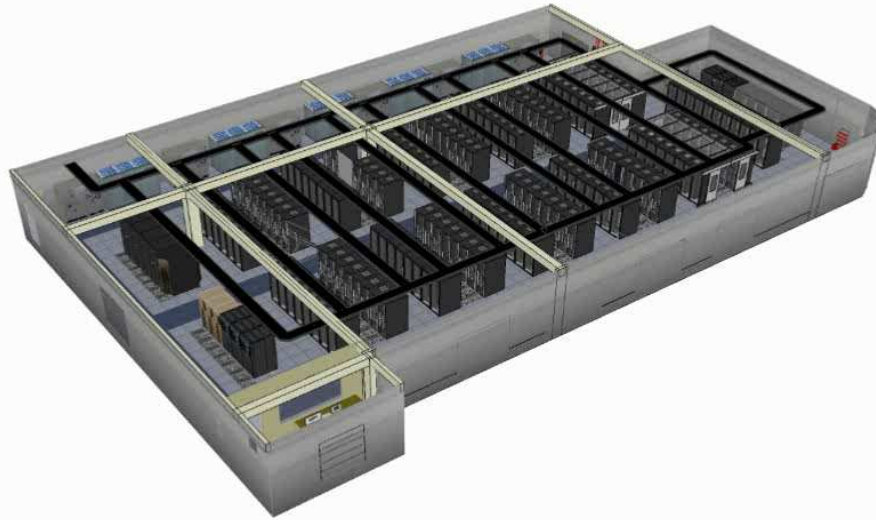
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New Technique & Strategy - "6SigmaDC" Solution



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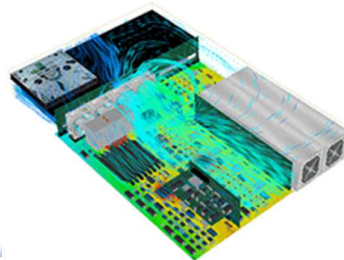
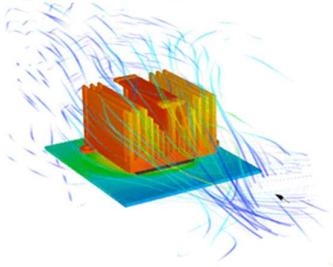
6SigmaDC Technology - 3D Data Center Visualization


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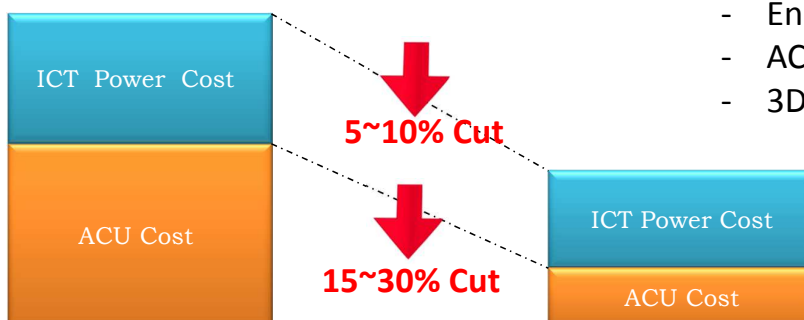
Results if YOU adopt

- **[Electrical]** Airflow and Thermal Design of Electrical Products are Significant



- Thermal Management for Design
- Fast Product Development
- Less Experiments

- **[Data Center]** Predictive Temperature & Airflow ONLY can show "How to Manage" DC



- Energy Saving
- AC Optimization
- 3D Visualization

*Example
2013: US\$ 50 -100 Million

Saving US\$???? Annually

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Future Facilities' Position @ OCP

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OPEN
Compute Project

Specs & Designs

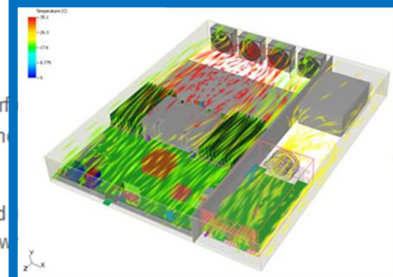
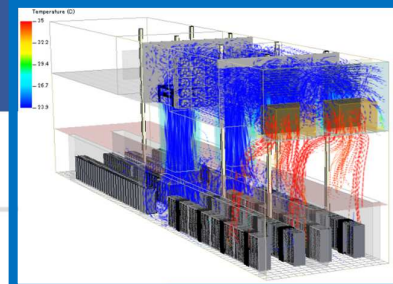
Data Center Design

Designed in tandem with Open Compute servers, the data center maximizes mechanical performance and thermal and electrical efficiency. It accepts 277 volts of AC, so more energy makes it from the data center to server components.

To download an example virtual facility model operating in a mode where outdoor air is mixed provide cooling to be opened with the 6SigmaViewer software, [click here](#). To view this file download 6SigmaOpenViewer software [here](#).

The Data Center Design project comprises electrical and mechanical components; you can [download the specification](#).

In addition, the OCP Asia-Pacific chapter [translated the specification](#) into Japanese.



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If you have any questions and inquiries,
please contact me ;

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