

EigenForge Announces:

The “CFD Virtual Facility” for Data Centre Modelling and Audit to Reduce Downtime and Increase Server Density

Bristol, UK, November 2009: EigenForge today launches its Computational Fluid Dynamics (CFD) data centre modelling service, “*The CFD Virtual Facility*”.

Poor thermal and environmental management of data centres is fast becoming one of the most serious risks to availability. Traditional room-based cooling was initially aimed at servicing racks drawing less than 4kW each. Today, modern IT equipment is pushing peak power density to 28kW per rack or more and creating very high localised heat dissipation (hotspots).

The upshot is that the ability to predict and guarantee the performance of the facility is compromised, ultimately resulting in sporadic and, sometimes, prolonged incidents of downtime and/or operational risk, these can be avoided by using Computational Fluid Dynamic (CFD) analysis.

In addition, there is also the ever-growing need to build new data centre space with bespoke cooling methods (e.g. water) to accommodate more servers. An audit and CFD model of the data centre can demonstrate suitable adjustments to present space without resorting to a multi-million dollar capital project for a new data centre.

The EigenForge **CFD Virtual Facility** enables clients to:

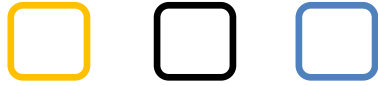
- walk-through a full 3-dimensional model and have an inventory of all recognised equipment housed within their facility
- visualise the temperature distribution and airflow at both room and cabinet level
- track historic changes in equipment layout
- preview planned, future equipment deployment
- evaluate the thermal/environmental impact of these options prior to deployment

Using CFD we can offer you a methodology to avoid thermal problems, and maximise the operation and performance of your facility. From these results, EigenForge can assist in solving or reducing your operational risk.

The **CFD Virtual Facility** is available immediately in Europe, Middle East and North America.

For more information please visit eigenforge.com/services/datacentre.html

- Hosted & Managed HPC Services
- CPU Brokerage
- HPC Consultancy



About EigenForge.

EigenForge provides High Performance Computing services to manufacturing, academia, finance, oil and gas, animation and rendering houses, genome research, and pharmaceutical industries.

Our services include

- Hosted and managed HPC and Enterprise systems in our data centre facilities
- Supercomputing CPU brokerage across the globe; matching clients who have short supercomputing requirements to facilities with short term excess of resource.
- Data Centre 3-D Modelling and Optimisation using Computational Fluid Dynamics (CFD)
- Bid, Tender, and Procurement Management
- Application Development
- Backup solutions and website development focused for Small to Medium sized Enterprises

EigenForge Limited is based in the European Union and is a UK registered company.

For more information please visit www.eigenforge.com