

# Keep IT cool in the era of AI

EcoStruxure IT Design CFD by Schneider Electric helps you design efficient, optimally-cooled data centers

Optimizing cooling and energy consumption requires an understanding of airflow patterns in the data center whitespace, which can only be predicted by and visualized with the science of computational fluid dynamics (CFD).

Now, for the first time, the technology Schneider Electric uses to design robust and efficient data centers is available to everyone.

- Physics-based predictive analyses
- Follows ASHRAE guidelines for data center modeling
- Designed for any skill level, from salespeople to consulting engineers
- Browser-based technology, with no special hardware requirements
- High-accuracy analyses delivered in seconds or minutes, not hours
- Supported by 20+ years of research and dozens of patents and technical publications

**Equipment Models** – Easily choose from a range of data center equipment models from racks, to coolers, to floor tiles.

**IT Airflow Effectiveness and Cooler Airflow Efficiency** – Industry-leading metrics guide you to optimize airflow.

**Cooling Analysis Report** – Generate a comprehensive report of your data center with one click.

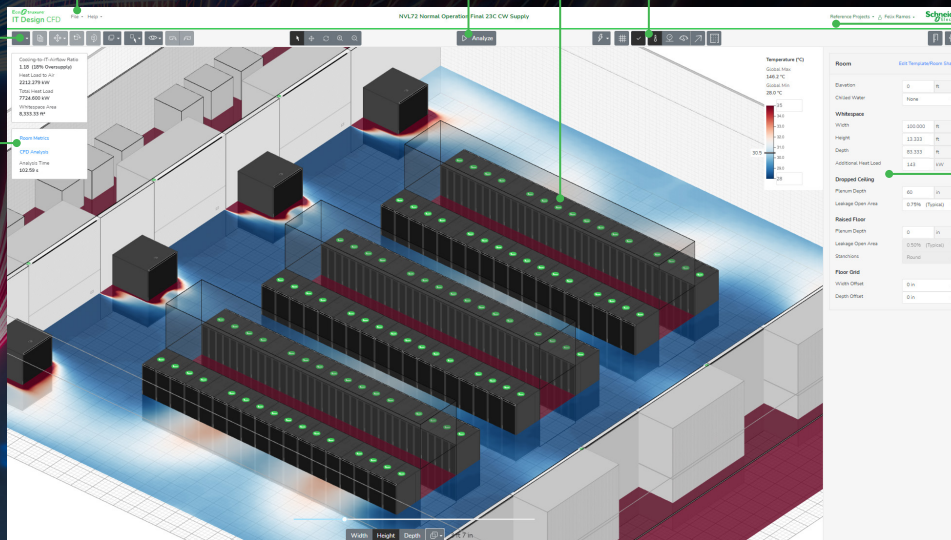
**CFD Analysis** – The fastest full-physics solver in the industry delivering results in seconds or minutes, not hours.

**Cooling Check** – At-a-glance performance of all IT racks and coolers.

**Visualization Planes and Streamlines** – Visualize airflow patterns, temperatures and more.

**Reference Designs** – Quickly start your design from pre-built templates.

**Room and Equipment Attributes** – Intuitive settings for key room and equipment properties.



Contact Us:

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