



Efficient Energy for Green IT
Consult. Validate. Deliver.

CREATING A REVOLUTION in IT ENERGY TECHNOLOGY

TIM Infratech Pvt. Ltd. is uniquely focused on Technology – Infrastructure Management. Using the most efficient technologies, we manage data center operations and infrastructure with our cutting edge services and solutions.

Established in 2003, TIM Infratech Pvt. Ltd. offers industry-specific solutions with a focus on IT infrastructure optimization. With us you get customized solutions and services by understanding the vision and needs of your business.



IT ENERGY SOLUTIONS



DATA CENTERS

END USER COMPUTING

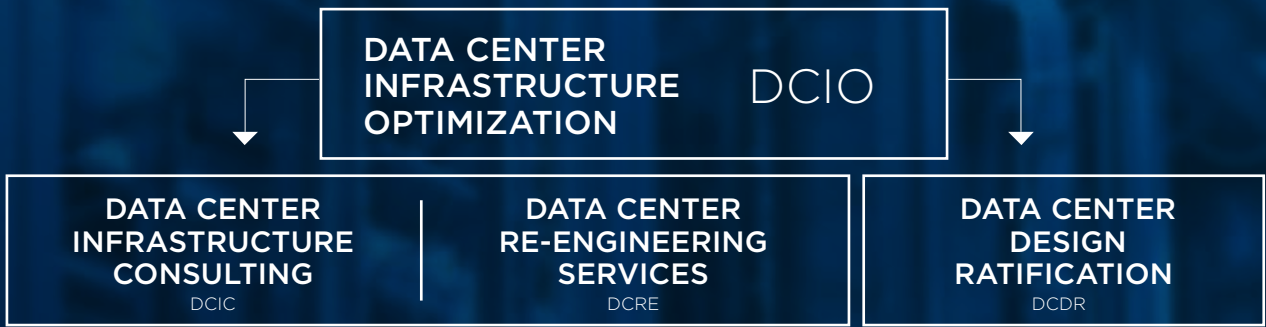
DATA CENTER INFRASTRUCTURE
OPTIMIZATION
consulting services

— DCIO —

NEXTGEN
COOLING
SOLUTION

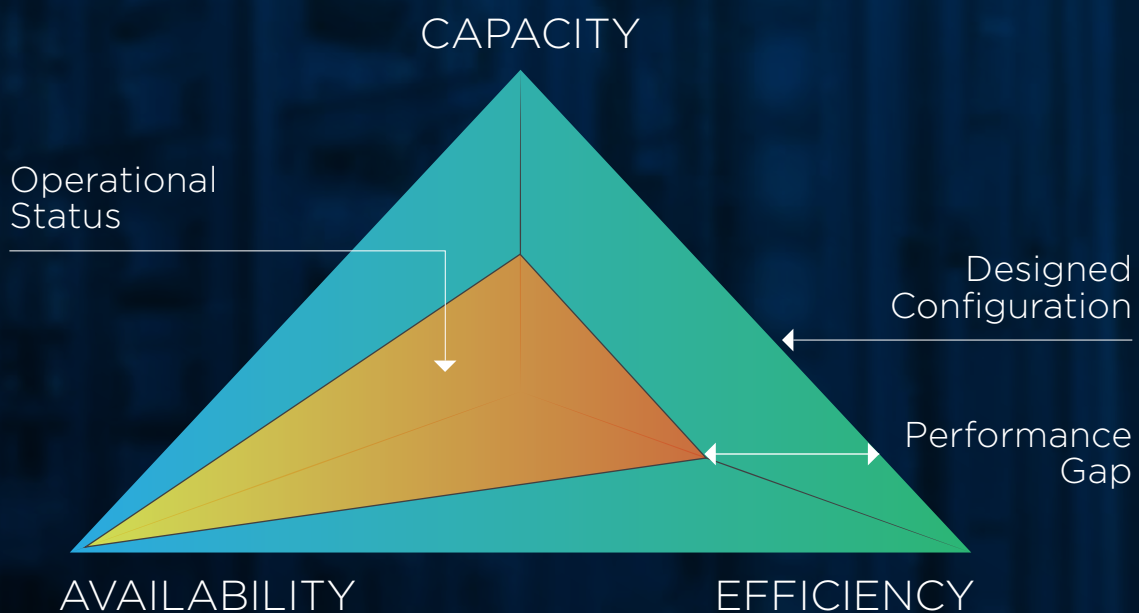
END USER COMPUTING POWER
MANAGEMENT SOLUTION

— ECPMS —



PROTECT AND ENHANCE YOUR TECHNOLOGY WITH OURS

Your data center is a critical component of the enterprise technology infrastructure. Power and storage capacity are continually growing due to data growth. Your data center needs to perform at a high level to enable efficiency in operation and performance.



CHALLENGES

- Higher workload demands
- Increasing rack density
- Power and cooling limitations
- Decreasing CAPEX budgets
- Lack of specialized skills
- Lower optimization of energy efficiency, uptime and capacity

TIM'S SOLUTION

- Specialized skills in data center infrastructure
- Analysis and recommendations
- Improved energy efficiency
- CAPEX savings
- Capacity optimization
- Uptime
- Measurable metrics
- Progress measurement
- Optimization of existing facility

DATA CENTER INFRASTRUCTURE CONSULTING (DCIC)

Plans, designs and transformation through innovative analysis

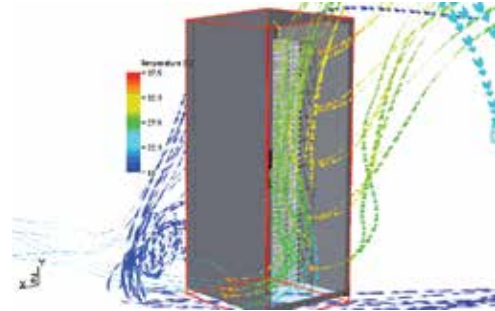
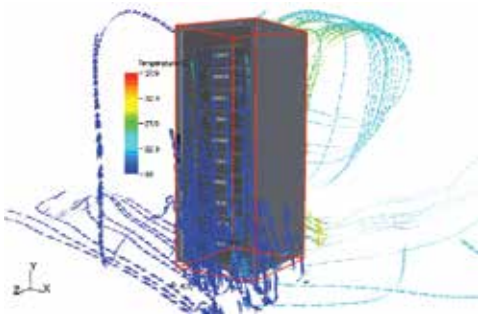
TIM's DCIC solution provides analysis of existing data centers to understand the scope of energy savings and improvement in existing capacity (cooling/airflow, space and power) **with no downtime**.

DATA CENTER RE-ENGINEERING SERVICES (DCRE)

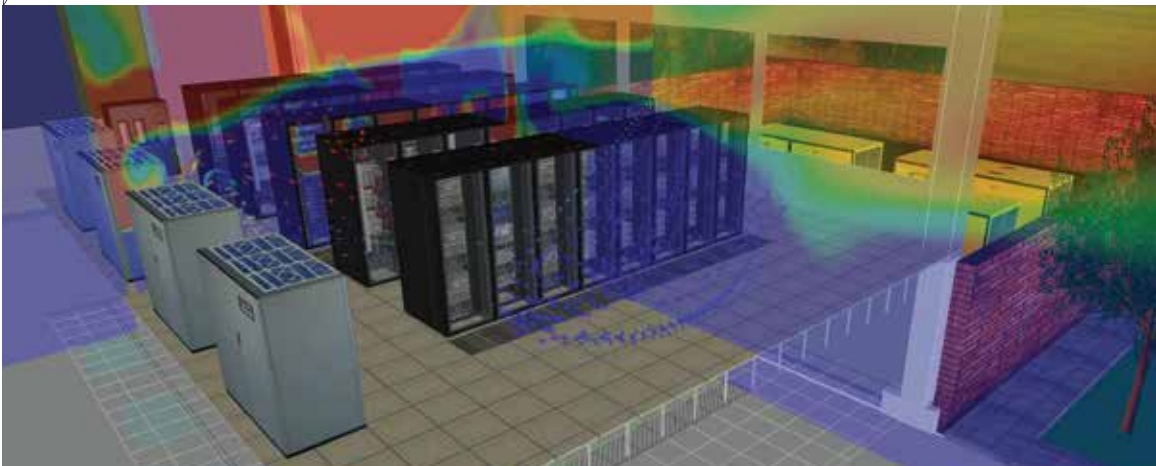
With you all the way - recommendations to delivery

TIM's DCIO experts provide end-to-end re-engineering solutions in addition to our recommendations. We also ensure that implementation of the proposed solutions is completed.

Focused on Brown field / existing data centers



DATA CENTER DESIGN RATIFICATION (DCDR)



Predict your DC performance before you build it

Our DCIO experts evaluate designs by using state-of-the-art simulation technology to predict the performance of data centers across the life span. The 3D Virtual Facility allows you to simulate the airflow throughout your design, answering the questions that had previously been left to chance. How will your design perform under failure? Will your cooling system provide enough cold air to all the equipment? Have you over engineered to be safe?

- Focused on Green field/ new data centers

BENEFITS OF DATA CENTER INFRASTRUCTURE OPTIMIZATION (DCIO)

TIM - One-Stop Solution Provider - Consulting and Implementation

DATA CENTER INFRASTRUCTURE CONSULTING (DCIC)



DATA CENTER RE-ENGINEERING SERVICES (DCRE)

DATA CENTER DESIGN RATIFICATION (DCDR)

- Increased energy efficiency helps lower energy cost without affecting data center's performance
- Ensure uptime/availability of IT by eliminating downtime
- Understand actual rack capacity utilization and capabilities for recovering stranded rack capacities
- Simulates the airflow throughout the design to predict the delivery of proper airflow/CFM
- Run cooling failure scenarios to check your data center's resilience
- Understand and prevent temperature hotspots
- Simulate "what-if" scenarios to ensure the optimum utility of the data center capacities before implementation
- OPEX bases solution
- End-to-end solution - analysis, recommendations and implementation
- Supply chain management
- Ensuring quality work within defined timelines
- Re-validations of data center efficiency/performance as per DCIC report

- A service based model utilizing scientific tools for simulations instead of only best practices
- Allows exploring the performance of your designs before the actual build
- Compare different vendor equipment performance before making the right choice
- Simulates the airflow throughout the design to predict the delivery of proper airflow/CFM
- Run cooling failure scenarios to check your data center's resilience
- Understand and prevent temperature hotspots
- Run "what-if" scenarios to ensure the optimum utility of the design
- Flexibility to model all types of DC design or layout
- Visualize designed performance of DC up front with varying IT loads
- Helps in finalizing best models based on optimal energy and capacity utilization across DC's life cycle



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