



Largest AI-ready, IGBC Platinum
Rated Green Data Center Campus
in South India **Chennai 02 Siruseri**



Tried. Tested. Trusted.

Your Digital Infrastructure Partner for over 25 years

The Largest AI-ready, IGBC Platinum Rated Green Data Center Campus in South India



130+ MW
IT Capacity

Built to Suit with
Vertical and
Horizontal
Expansion

10 Levels
Access
Control

2 Petabyte
Capacity.
Integrated
Transpacific
CLS

**4 Dedicated
Fiber
Paths**

**IGBC
Platinum
Certified**

70%
Renewable
Energy
Eventually



Integrated Transpacific Cable Landing Station (CLS)

Your seamless gateway to the global communication network for high-speed connectivity

- CLS is away from port, fishing zones, oil blocks
- Built on Tsunami resistant stilt structure, all equipment to be on Level 2 and 3
- Initial power is 700 kW; to be ramped per requirement
- Designed for 4 cables with over 2 Petabyte capacity
- 4 networks paths from CLS to Chennai 02 Data Center

Chennai 02 Campus

Technical Specifications



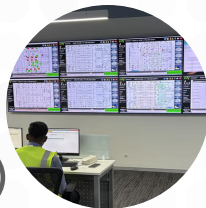
DATA CENTER SHELL



- **Building:** RCC shell and core for ground floor, service floor and seven server hall floors
- **Room Height:** 6300 mm slab to slab. 5100mm clearance from floor to 1st obstruction, 900 mm raised floor
- **Structural Design:** IS 456:2000, Importance Factor 1.5
- **Structural Floor Loading:** 2100 Kg/sqm
- **Freight Elevators:** 4 freight elevators with 4-ton capacity
- **Fire Rating of Walls & Doors:** 2 hours



GLOBAL COMMAND CONTROL CENTER (GC3)



- **Building Management:** Integrated building automation system with PLC SCADA
- **Physical Security:** 10 level access control. Perimeter protection with licensed electric fence and intrusion detection, K8 rated wall. Access controlled gates and hydraulic crash guards, security control room, X-ray baggage scanner, 24x7 security guard service
- **Access Control:** Smart card and biometric
- **Video Surveillance:** 24x7 for all critical areas, retention for 90 days
- **Fire Detection:** Addressable smoke detectors and aspirating smoke detectors for early warning
- **Fire Suppression:** Novec® 1230 fire suppression system for Data Center and electrical rooms. Option for pre-action water sprinklers available



ELECTRICAL



- **Power Feeder:** Onsite 230 KV GIS substation
- **Power Capacity:** Designed for 130+ MW IT capacity
- **Power Density:** Power density of 8 -25 kW for air cooled racks and up to 200 kW for Liquid cooled workloads
- **Transformer/Generator Configuration:** N+1, N+2C
- **Downstream Power Configuration:** N+N power distribution with overhead bus bars
- **Onsite Fuel Storage:** 48 hours, agreement with 2 fuel supply companies and another fuel supply agency for supply of fuel within 4 hours



COOLING



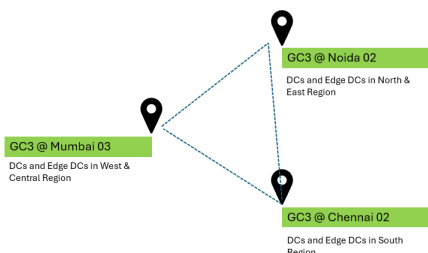
- **Chiller:** Air cooled chillers and dry coolers for liquid cooling with adiabatic accessories with N+2 redundancy
- **Environment:** Temperature and humidity as per ASHRAE standards
- **Containment:** Cold Aisle/Hot Aisle containment



NETWORK



- **MMR:** Dual meet me room for telecom fiber links; N+N power with UPS and 5 minutes battery backup
- **Carrier Neutral:** Multiple IXs, IP Transit POPs, Multiple Telecom MUXs
- **Four fiber entry paths to the MMR:** MDF (Network Closet) in every floor, connected to MMR via 4 network risers



Our AI-powered, interconnected GC3s ensure 24x7 seamless, secure, and scalable data center operations across India with real-time monitoring and rapid response readiness.

ESG Focus



Data Center MEP

High efficiency for equipment even at low utilization levels

■
Selection of equipment with high energy saving parameters

■
Right redundancy levels



Sustainable Processes

ASHRAE guidelines, IGBC

■
ISO 14001 environmental certification

■
Carbon abatement policy

■
Low PUE, WUE



Green Power Contracts

Contracted 231 MW green power via power purchase agreements

■
Additional nation-wide green power for future projects ~500MW planned to meet long-term sustainability goals



Future Roadmap

To become RE100 (carbon neutral) by 2030. 29% GHG emission reduction by FY2025

■
Secure up to highest RE penetration for Sify DCs, as permitted by regulation

■
Targeting high level of renewable energy penetration by year 2025

Applying AI in our Data Centers

The system provides real-time visibility into operations, assets, people, and processes. It tracks operational health, capacity utilization, and metrics based on key performance indicators (KPIs). Additionally, it enhances failure prediction, proactive maintenance, and overall efficiency, leading to improved predictability and performance in operations.

Real-time Visibility • **Measurability** • **Predictability** • **Efficiency**

Benefits

Increased savings on PUE

Improved equipment uptime

Increased person hour savings monthly

Reduction in operating costs

AI-ready Data Centers

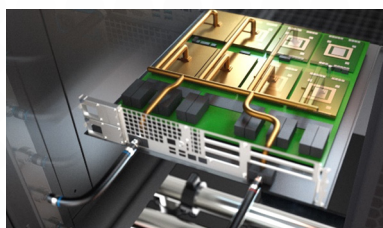
India's First NVIDIA Certified DGX-Ready Data Center Service Provider for Liquid and Air Cooling

Enabling enterprises to **host dense AI workloads up to 200 kW power/rack** with scalable infrastructure, robust power, advanced cooling, and high-speed, low-latency connectivity.

Modern cooling solutions for high density AI based deployments



Rear door heat exchanger
Ideal for 20-50 kW Rack load

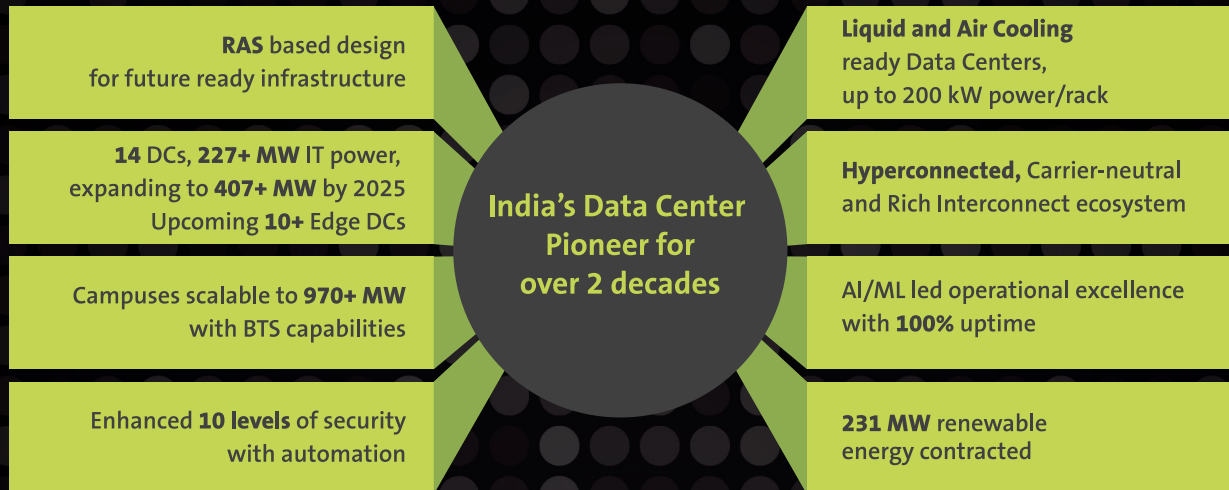


Direct-to-chip
Ideal for 50-132 kW Rack load

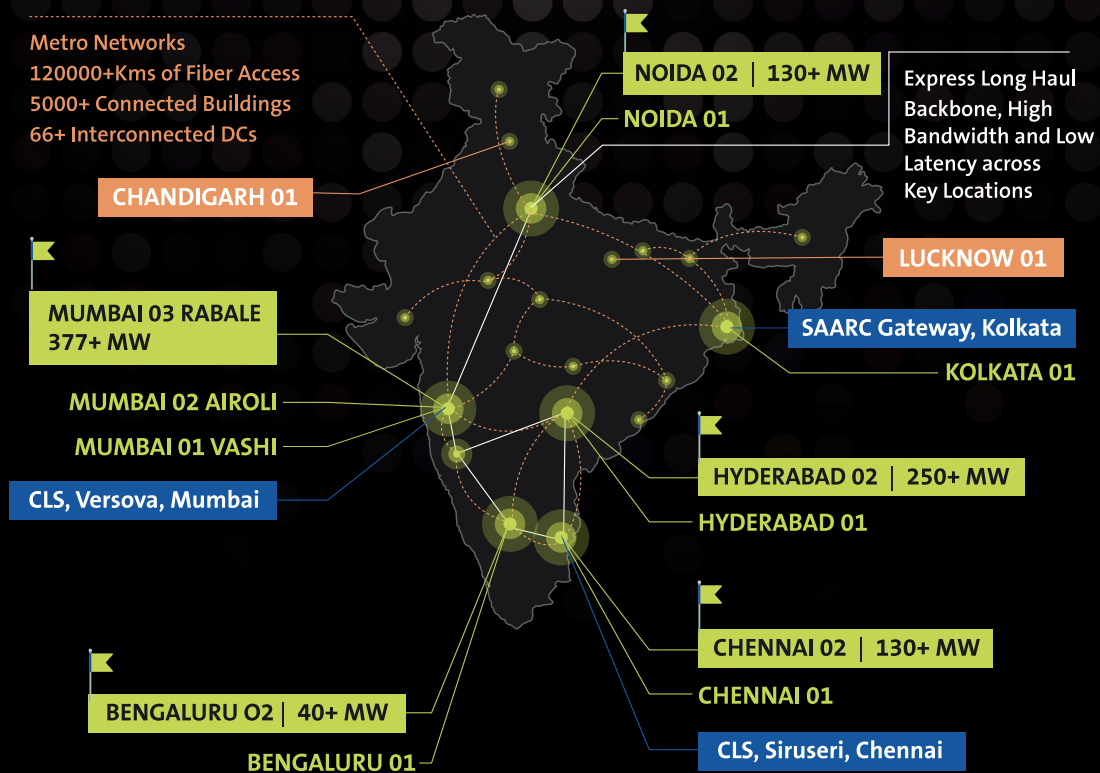


Liquid immersion cooling
Ideal for 50-200 kW Rack load

Future ready Digital Data Center infrastructure



India's Top 10 Banks, Top 4 Manufacturing, 3 Major Hyperscalers, Global Social Media, OTT Players, and 10K+ Enterprises trust Sify



Sify Digital ICT services with agility, flexibility, choices to empower your digital transformation



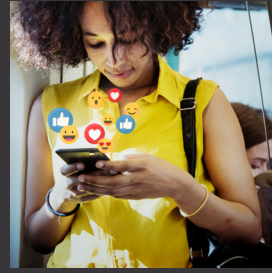
Sify's Data Centers are trusted by leading enterprises across the globe



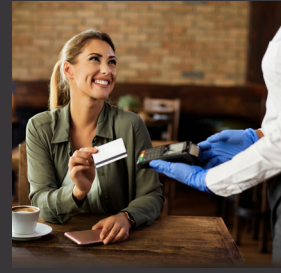
Including 3 out of 4 hyperscalers



Global OTT players to connect to millions of subscribers



World's leading social media network



Europe's leading payment gateway provider



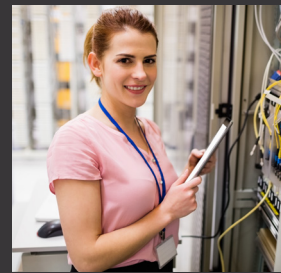
India's top 10 banks



India's largest digital wallet and new-age fintechs



India's largest general insurance company and large NBFCs



More than 600+ premier enterprises across industries

Certifications



Recognitions



Fast track your digital transformation journey with a more agile, resilient, scalable, AI-Ready infrastructure supported by a trusted partner who is charting India's digital growth story.

Sify Data Centers

Mumbai | Noida | Hyderabad | Bengaluru | Chennai | Kolkata



Reimagine your
Data Center experience

sify'

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