



ITI DATA CENTER



BUILD TO DELIVER.



1,20,000 SQ. FT. TIER 3+ DATA CENTER

ISO 27001:2005 CERTIFIED

ONLY DATA CENTER UNDER PPP MODEL

1st DATA CENTER TO SUPPORT MULTI-DENSITY RACKS

MULTI-TIERED LEVELS OF SECURITY

RS. 220 CRORES INVESTMENT IN ITI DATA CENTER

(2N + 1) REDUNDANT UPS WITH BATTERY BACK-UP

**INDIAN SI + GLOBAL NETWORK SERVICE PROVIDER
+ INDIAN TECHNOLOGY PSU = UNIQUE PARENTAGE**



ITI DATA CENTER

ITI Data Center is an ambitious project initiated by ITI in collaboration with Trimax Datacenter Services - an SPV company. The state-of-the-art Tier 3+ is spread across 1,20,000 sq. ft. in the secured premises of ITI in Bangalore and is the only Data Center built under Public Private Partnership model. As the first and only Data Center in India to support multi-density power requirements, ITI Data Center has an edge over other Data Centers. It supports 8 KVA to 14 KVA per rack, representing 'multi-density' in the truest sense.

An ISO 27001:2005 certified company, ITI Data Center offers a comprehensive suite of services to both government as well as private sector, thereby minimising the Total Cost of Ownership. To provide the required uptime, it offers scalable infrastructure and technology, and highly secured environment with redundant equipments across the solution chain.

ITI – TRIMAX COLLABORATION



- ◆ Established in 1948 as 1st PSU under MoC, GOI
- ◆ ISO 9001:2000 and ISO 14001:24000
- ◆ Contributes 50% of equipment to National Telecom Network
- ◆ 6 manufacturing plants, 9 RO and 25 AO
- ◆ Turnover of Rs.1,829 crores

Leading player in India, focusing on:

- ◆ Data Center Solutions
- ◆ System Integration
- ◆ Managed Services
- ◆ Managed IT Infrastructure – Onsite / Remote
- ◆ Education



SERVICE PORTFOLIO

High Density Hosting Services

- ◆ Managed Co-location
- ◆ Internet Access
- ◆ Managed Dedicated Hosting
- ◆ Managed Utility Hosting

On-demand Services

- ◆ Utility Backup and Vaulting
- ◆ Utility Storage
- ◆ Load Balancing
- ◆ Utility Messaging

Managed Security Services

- ◆ Firewall and Intrusion Detection
- ◆ Vulnerability Assessment
- ◆ OS Hardening and Patch Management
- ◆ Anti-Virus and Anti-Spam

System Support Services

- ◆ Monitoring and Reporting
- ◆ Platform Support (Hardware/ OS)
- ◆ Database Support
- ◆ Application Support (Web/ Mail)

Professional Services

- ◆ Data Center Build
- ◆ System Integration
- ◆ Data Center Consolidation/ Migrations
- ◆ DR/ BCP Design and Development

KEY DIFFERENTIATORS

Parentage

- ◆ Unique parentage – Indian SI, Global network service provider, Indian technology PSU
- ◆ First and only Public Private Partnership in the Data Center space bringing in the stability of a PSU and the efficiency of a Private Enterprise
- ◆ Leadership team with strong Data Center background

Services

- ◆ Comprehensive service portfolio covering the entire value chain right from infrastructure to applications
- ◆ Flexible and customised offerings for diverse customer needs
- ◆ Best in class service levels
- ◆ Agile and Customer Focused Support teams
- ◆ Service delivery modeled on ITIL framework

Infrastructure

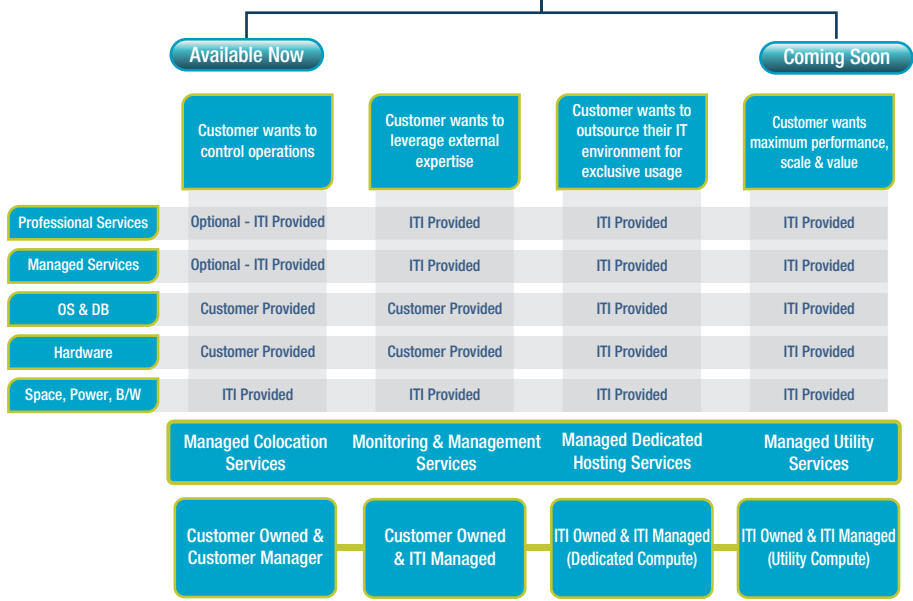
- ◆ Tier 3+ Data Center facility with best-in-class infrastructure
- ◆ Carrier neutral IDC with no conflict of interest with the group's other businesses
- ◆ Built with conscious focus on adopting environment friendly technologies
- ◆ India's first and only IDC to support multi- density racks with power requirements ranging from 8 KVA up to 14 KVA per rack

Location

- ◆ Bangalore being a stable seismic zone is one of the best suitable location in India for Data Center facilities
- ◆ Data Center is located within the secured premise of existing ITI Plant



FLEXIBLE SERVICE MODEL



Customer Benefits

Cost Reduction

Financial constraints

Move from owned (CAPEX) to outsourced (OPEX) - Better to invest time and money into improving products, services and features than building out commodity infrastructure.

Electricity prices are spiralling

Globally, industrial electricity prices between 2003 and 2006 have increased by a whopping 27%.

Growth

Capacity issues with current data centre: space or power or unknown growth.

Power density needs are rising

From 2-3 KW per rack in early 2000 to 10-15 KW now and up-to 25-30 KW per rack in near future

Risk Reduction

Downtime

whether it occurs on the web or within internal systems, causes immense and often irreparable damage in terms of immediate lost revenue, negative perceptions from existing and potential customers.

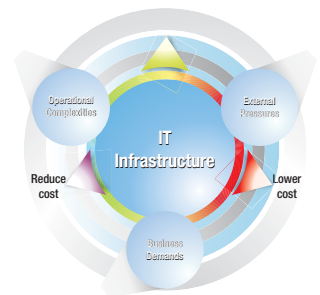
Risk management/ business continuity

Secondary data centres enabling continuity/disaster recovery to mitigate terrorist threats, natural disasters and human errors

Operations Support

Best Practices & Skilled resources can be leveraged to manage the business critical applications rather than building internal teams

Improve Customer Satisfaction



Service Improvement

Globalisation

Expanding business into new geographies

Consolidation & restructuring

Migrating from de-centralised legacy IT infrastructure to consolidated new-built data centres

Service Levels

Today's business-critical applications require the utmost in reliability and availability

INFRASTRUCTURE SNAPSHOT

Total size of Data Center
1,20,000 sq. ft.

First phase
75,000 sq. ft.

First phase roll out
Commissioned on 30th June 2009

Second phase roll out
2010

Service to be offered under
ITI Brand

Expanse

Total Size	1,20,000 sq. ft.
Phase 1	75,000 sq. ft. launched in June 2009
Phase 2	Targeted launch - 2010



Power

- ◆ 5 MVA of power from State-run KPTCL in Phase 1
- ◆ 2N+1 Transformer and DG Set
- ◆ N+1 HVAC Systems
- ◆ 2N+1 Redundant UPS System
- ◆ High power density up to 14 KVA / rack



Security

- ◆ VESDA Fire Detector and FM200-based fire suppression systems
- ◆ ISO 27001:2005 Certified
- ◆ 24x7 guards with CCTV Monitoring
- ◆ Biometric and ID Card Access Control
- ◆ Firewall and IPS in HA model



Connectivity

- ◆ Meet-Me-Room with Multiple carrier connectivity
- ◆ Internet Bandwidth from Multiple Providers
- ◆ Redundant Router and Switches (Core, Distribution and Access Layer)



Monitoring

- ◆ Centralised Building Management System (BMS)
- ◆ Best in class IT equipment – Health Monitoring Solutions
- ◆ 40 seat Command Center manned 24x7 by Certified resourced for ITIL-based Service Delivery



ITI Data Center

In partnership with Trimax Datacenter Services Ltd.

F-21, ITI Complex, ITI Limited, Dooravaninagar, Bangalore 560 016, India.
Tel.: 91 80 6656 1000 • www.itidatacenter.com, www.trimaxdatacenter.com

