

A DATA CENTER CREATION CASE STUDY

for a leading a registrar & share transfer agent

SNAPSHOT

Industry

A leading Registrar & Share Transfer Agent

Business Challenge

Audit, access and design the data center

Omnitech Solution

- Electrical re wiring work.
- Supply and installation of UPS and Gen set
- Supply and installation of smaller racks – in combination of 27 and 32 U
- Re - cabling for Network expansion – Cat 6 type / Giga bit Ethernet switches
- Conversion of Non Rack to Rack servers
- Supply and installation of Firewall / Access Control / Fire alarm system
- Load balancing for Internet Bandwidth
- Re -planning of AC systems and supply. installation of same

Business Benefits

Using data center automation solutions, the company is better able to reduce the cost of people and the risk of human error, respond quickly and efficiently to business needs with greater accountability, and maintain compliance throughout the data center environment.

Company Overview

The Company with its corporate headquarters at Mumbai is a Registry service provider servicing the largest number of Indian companies, as Registrar & Share Transfer Agent. The company is handling a large number of IPO's in India for past few years.

The company is today synonymous with reliable, timely and top quality registry service in India. Besides meeting up the Governing rules and regulations, our customer has to offer the services to end users and their customers' base. The IT is key enabler to meet all the business requirements.

Business Challenges

Knowledge, Technology, People and Infrastructure are the four strong pillars on which the service model of the company is founded.

The company believes that quick adaptation of the latest technology enables delivery of services seamlessly around the clock, to clients spread across India. The blend of best practices, value-based corporate governance, cost-effective IT enabled solutions, and performing in a continuum of excellence, will drive the growth forward. Company had invested in data center and was meeting up the business requirements till year 2006. In 2006, customer had series of breakdowns and had to suffer business and reputation losses. Customer on war footing had taken decision and awarded the consulting projects to Omnitech to audit, access and design the data center.

Technology challenges:

The company, with an existing Tier-1 IT infrastructure supporting around 150 computer systems, needs to upgrade to Tier-2 Infrastructure with a Data Center of 250 square feet. The expansion was to be done for additional networking for 200 computer systems.

The challenges were:

- Enable standardized and compliant data center in existing place
- Allot the area for Network printing
- Have clear through vision across office as Glass partitions were already done for Server room
- Additional UPS and Infrastructure redundancy were needed
- Optimize the use of data center resources
- Cut capital, real estate and operational expenditures
- Increase redundancies, increase asset utilization and improve operational efficiencies
- Integrate facility and technology strategies providing scalable data centers and operational continuity.
- Reduce disruption of technology-supported business processes
- Improve quality of service
- Enhance management and automation to reduce human error and service disruptions

Solution

The Omnitech team performed an in-depth analysis of the existing infrastructure and industry standards. The team designed and implemented an infrastructure management system that can ensure reliable access of data center resources while supporting future requirements.

It determined the power required for all existing and anticipated devices including support equipments such as UPS, generators, conditioning electronics, HVAC, lighting, etc. Dual path for power distribution was provided. Diesel generators were provided to supplement battery-based uninterruptible power supplies.

Team Omnitech helped the organization provision entire services and manage change across lifecycles, from initial provisioning through ongoing change.

Omnitech ended up with following activities –

- Electrical re wiring work.
- Supply and installation of UPS and Gen set
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Result

Omnitech Data Center solutions helped the company reduce energy costs, remove capacity related obstacles to growth, mitigate risk and optimize the use of energy, floor space and cooling infrastructure—while at the same time helped the company reduce the impact on the environment.

These solutions allowed the organization to support more computing resources, meet current and future business demand, avoid or defer new facilities construction, and support corporate environmental and compliance initiatives more effectively.

The trained, knowledgeable and committed team of registry professionals, ably supported by efficient IT infrastructure, provides individual attention to client companies and investors.

By using data center automation solutions, the company is better able to reduce the cost of people and the risk of human error, respond quickly and efficiently to business needs with greater accountability, and maintain compliance throughout the data center environment.

About Omnitech InfoSolutions :

Omnitech InfoSolutions is an ISO 9001-2000 certified technology services and solutions provider company in the Business Availability and Business Continuity space. The Business Availability services include Infrastructure Management, Application Management and Performance Management services whereas Business Continuity services include Disaster Recovery Consulting and Management, Data Vaulting and Workplace Recovery Services.

Omnitech InfoSolutions is also a world-class provider of turnkey IT solutions like Server & Storage Consolidation, Virtualization, Network Integration Solutions and Data Center Management Solutions, Omnitech provides end-to-end support with guaranteed SLA (Service Level Agreements) in order to optimize infrastructure management and align IT with business goals.

Contact Omnitech InfoSolutions today for free consultation

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