

## A DATA CENTER CREATION CASE STUDY – SAP ERP

### for a reputed manufacturers and exporters of gold and diamond-studded jewellery company

#### SNAPSHOT

##### Industry

A reputed manufacturers and exporters of gold and diamond company

##### Business Challenge

- Better responding to dynamic needs of the business
- Increase uptime and security
- Reduced costs (capital and operational)
- Improved service levels and system availability

##### Omnitech Solution

- Data centers and storage area networks have been constructed with full consideration of the implications of frequent capacity expansions
- 12 rack cabinets, each of 19 inch placed in two rows forming corridors.
- Bluestar ACs have been installed to provide better cooling
- UPS : APC-RS high performance battery backup & protection system was installed
- Honeywell's automation & control equipments were used to facilitate the data center
- Supply of HP brand of Servers / Auto loader / Desktops / Printers / Laptops

##### Business Benefits

The company is equipped with state of the art production facilities, and is a forerunner of technology and production techniques.

#### Company Overview

The company is one of India's reputed manufacturers and exporters of gold and diamond-studded jewellery. It is a Mumbai-based exporting company which incorporates SAP technology for its business processes. This was the first initiative by company to improve on sales and customers' delight. The company is also engaged in creation new design and needed large storage. Omnitech was regular supplier to this company for IT Infra and had AMC services.

Company had detailed discussions with Omnitech and after due discussions decided to award the contract to Omnitech for complete Plan , Design , Implement and Manage the Data Center and connectivity for the three offices within campus. The distances were 1200 and 1700 meters from central locations.

#### Business Challenges

The company wants to add a Data Center for

- Better responding to dynamic needs of the business
- Increase uptime and security
- Reduced costs (capital and operational)
- Improved service levels and system availability

#### Technology challenges:

The company had a requirement of

- 8 rack cabinets to house servers and data storage devices
- False flooring
- Multiple AC units that can feed the system in order to provide uniform cooling
- UPS for power backup
- Security systems
- Connectivity to Local and remote users
- Internet Bandwidth
- Server / Storage / Back up / networking devices / Laptops – Desktops / Printer / Scanner and other IT products

## Solution

- Data centers and storage area networks have been constructed with full consideration of the implications of frequent capacity expansions and the resultant moves, and changes that occur over the life of the data center.
- 12 rack cabinets, each of 19 inch placed in two rows forming corridors, are employed based on a front-to-back cooling regime with rows of racks facing each other. Cold air is supplied to the front of these racks through air vents placed in the raised floor in front of them.
- Raised flooring provided better circulation of air below the floor and space for the power cabling system
- Bluestar ACs have been installed to provide better cooling of the equipments
- UPS : APC-RS high performance battery backup & protection system was installed
- Honeywell's automation & control equipments were used to facilitate the data center with cutting-edge technology
- Supply of HP brand of Servers / Auto loader / Desktops / Printers / Laptops

## Result

The company is equipped with state of the art production facilities, and is a forerunner of technology and production techniques. In order to run business well, the company is streamlined, efficient, and cost-efficient and can now save on moving parts, on leasing administration, on the software that goes on those servers and can increase uptime percentages. The security posture improves because of the smaller number of devices the company has to keep in compliance.

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 environ-

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### 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.

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Contact Omnitech InfoSolutions today for free consultation

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