

Connecting An Enterprise

Excel Systems helped Emerald Jewel Industries enhance its overall business processes by upgrading its IT infrastructure

CASE
STUDY

ESTABLISHED 25 years ago in Coimbatore, Emerald Jewel Industries India Pvt Ltd is a recognised player in the gold jewellery manufacturing space. With a manufacturing capacity of 1.5 metric tonne of gold jewellery per month, the company strives to deliver high-quality and aesthetically pleasing designs. Operating in the casting and hand-made jewellery categories, Emerald Jewel Industries eventually found that the company required a reliable IT infrastructure to optimise processes among their 2000 employees and consequently, enhance their business.

Identifying the Problem

To develop a well-organised network within the organisation and link its many branches, Emerald Jewel Industries had to have in place a competent Wide Area Network (WAN) connection. The ground-up development of an entire IT infrastructure system was required to perform fundamental tasks such as mail-exchange. A data centre for ERP, a software system used to manage and coordinate a company's resources, information and functions from shared data stores was to be implemented. To support these, sizing, or an estimation of the hardware resources required to support a specific software system had to be developed.

Excelling in Solutions

To their aid came Mumbai-based Excel Systems, a 15-year-old computers, IT solutions and services SME. Starting from basics such as preparing an overall project management sheet for Emerald Jewel Industries, Excel Systems designed the former's infrastructure solution. Addressing the jewellery manufacturer's hardware sizing and software requirements, it sought apposite solutions for the company with vendors such as IBM, Wipro and Microsoft and submitted revised project management schedules in line with delivery commitments. Subsequently, the internal staff was familiarised with the new IT infrastructure and was trained to use and manage the system. Excel Systems also helped design a Business Continuity Planning (BCP) and Disaster Recovery Plan (DRP) for Emerald Jewel Industries. This comprised drawing up a logistical plan of how the organisation would recover and restore its functions in the event of a disruption.

Some of the activities involved in the development of the Data Centre for Emerald Jewel Industries encompassed false flooring, installation of CCTV systems, access control, network monitoring, setting up of redundant UPS (20 KW) with separate feeds and intelligent cooling. Facilities offered in providing a hardware platform comprised installing an IBM Blade Centre (14 Blades Server in 7U), SAN Storage (4 TB), High-Speed 4 way IBM Database Servers x 2, Cisco 1GB - 48 Port Switch, High-Speed Internet Cisco Router and ASA Cisco Hardware Firewall/ IDS. Software solutions such as Microsoft Dynamics for ERP, Microsoft SQL 2007 for Database, Microsoft Exchange 2007 for Mailing/Unified Messaging, Microsoft LCS for Video Conference, Microsoft SharePoint for Web Portal, Microsoft ISA for Internal Firewall, Microsoft MOM for Managing overall IT and Microsoft Forefront for Antivirus Solution were installed. WAN and LAN services included a lease line (256 kbps) for branches, RF connectivity in local offices as well as Complete Structure Cabling and Cisco Switch for backbone.

Consequential Synergy

The assistance provided by Excel Systems has now enabled Emerald Jewel Industries to execute accurate production planning, inventory control, brand positioning and order processing while augmenting their customer database thanks to CRM.

