



## **Embraco changes over to Windows Advanced 2000 Server**

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**With a share of 25% of sealed compressors for refrigeration, the company has managed to integrate tools into its network environment, such as SAP and Unicenter, in a transparent and secure manner.**

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In order to standardize its network environment, Embraco, the Santa Catarina company that leads the segment of sealed compressors for refrigeration, decided to change over to Windows 2000 Advanced Server, making Microsoft one of the two pillars sustaining the Information Technology strategy of the company.

“Embraco defined its strategy of standardization in 2000, opting for Microsoft as the partner for technological alignment,” Raul Moreira, corporate manager for IT infrastructure of Embraco. The changeover project involved the parent company in Joinville (SC) – where 1,800 users, 1,200 network customers and a volume of 200 Gb of data are connected – as well as the Embraco founder unit in the district of Pirabeiraba, with 300 customers, connected by a 128 kbps ISDN line. In a period of three months, the company carried out the preparation, installation of servers and the updating of the machines.

To carry out the project, Embraco had the support of the DNS/A&C Group, which participated in the entire process of choosing the best solutions and implementation of the Microsoft platform. All told, the investment was on the order of US\$ 70,000, including the purchase of the servers.

According to Celso Lanzillotto, director of Technology of the DNS/A&C Group, the expectation was a secure changeover to the Windows 2000 Advanced Server operating system to replace the services of printing, filing and control of users. “We adopted a strategy whose aim was to minimize the impact of this change on the end user, so as not to compromise production,” affirms the executive. Therefore, the planning was minutely detailed, and all possible risks to the project were taken into account with the use of the management methodology Microsoft Solutions Framework (MSF). In accordance with the team training criteria indicated by MSF, the technical team of the DNS/A&C Group was allocated according to the needs of the professionals in each phase of the project, to meet the schedule planned.

### **Profile**

Area of Activities:  
Compressors for refrigeration. Embraco is the world leader in the market segment of sealed compressors for refrigeration, with approximately 25% of the world market. With about 5,000 employees in Brazil and approximately 9,000 around the world, its billing in 2001 was on the order of R\$ 1.489 billion all together. Among its customers are companies like Whirlpool (Multibrás), Electrolux, Bosch-Siemens, Maytag, GE, Merloni, Liebherr, Haier, Sharp, LG, etc.

### **Scenario**

Changeover

### **Products**

Windows 2000 Advanced Server  
Office 2000  
Project 2000  
SQL Server 6.0  
Windows Terminal Services  
SharePoint Portal Server

## ***Transparent changeover***

Embraco's main concern was to standardize and improve the integration with other tools with the end user noticing the changeover. According to Raul Moreira, this goal was achieved in 90% of the cases. "We had a significant improvement in integration of the tools of Software Delivery and Remote Control with the adoption of the Windows 2000 Advanced Server", he affirms.

Embraco's network has a Gigabit backbone, whose current data volume is 1 Terabyte. There, the main system is ERP from SAP, and planning and simulation solutions are also run (APO and SEM-BPS). The company still uses the CAE/CAD/CAM system from PTC - Pro/Engineer and management software from Computer Associates (Unicenter TNG). Among the equipment installed, there are 28 Intel servers, 5 Risc servers, 1,400 stations, 400 printers and a storage machine.