Beijing BOE Optoelectronics Technology Co., Ltd
Beijing, China
www.boe.com.cn

Industry:

High Technology

Employees:

11,000+

Oracle Products & Services:

Oracle Database
Oracle Real Application Clusters
Oracle Database Enterprise Management

"The stable operation of the CIM system is highly critical. With Oracle Enterprise Manager, we can detect problems before they impact on the business. System performance has also improved and we are making better use of hardware resources. The result is lower total cost of ownership." – Wang Hong, Director, Department of Automation Technology, Beijing BOE Optoelectronics Technology Co., Ltd

BOE Saves US$1 Million in Hardware Costs Through More Efficient Resource Utilization

Beijing BOE Optoelectronics Technology Co., Ltd. (BOE) manufactures liquid crystal displays (LCDs) and related products. The company is the leading manufacturer in the Chinese thin film transistor (TFT)-LCD market and ninth globally. BOE has five research and development centers, five manufacturing facilities, and a sales and service network covering the world's major regions.

Challenges

- Monitor six database systems underlying the computer integrated manufacturing (CIM) system and support continuous operation of the LCD production line
- Make better use of existing hardware to avoid excessive investment in new resources to run applications and databases
- Resolve problematic SQL statements in the CIM system to eliminate bottlenecks and enable smooth operations
- Simplify database management, reduce human error, and minimize staff workload

Solution

- Saved US$1 million in hardware costs and enhanced database performance through better resource utilization
- Achieved automatic monitoring and management of database environment by using Oracle Enterprise Manager
- Enabled system administrators to monitor databases in real time by centralizing management tasks
- Avoided unnecessary downtime and unplanned shutdowns through early problem detection (an hour of downtime equates to a loss of US$30,000)
- Enabled automatic diagnosis of problems such as low memory and bad connection control
- Provided IT staff with information on the throughput of each application and the effect of CPU utilization
- Optimized SQL statements without changing the application code, eliminating system bottlenecks
- Reduced risk through automatic deployment of patches
- Minimized human error and reduced staff workload, resulting in lower database and system management costs

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