



KEY HIGHLIGHTS

INDUSTRY: **MANUFACTURING**



Adelaide Brighton Ltd

CHALLENGE

Control costs, enhance patch and upgrade change control and strengthen disaster recovery

SOLUTION

VMware infrastructure cut costs and reduced hardware upgrade time

VMWARE VIRTUAL INFRASTRUCTURE AT WORK

VMware Infrastructure 3 Enterprise, featuring

- ESX Server 3 with VMFS
- VirtualCenter 2
- VMotion
- Distributed Resource Scheduler (DRS)
- High Availability (HA)
- Snapshots
- Converter

DEPLOYMENT ENVIRONMENT

- Production ESX Servers on 2-processor quad core Dell 2950 servers
- VirtualCenter on 2-processor HP DL380 servers
- EMC CLARiiON CX3-20 SANs (mirrored to DR site)
- VMware servers boot from shared SAN storage to enable VMotion and server recovery
- DR site ESX servers on 2-processor core duo Dell 2950 servers
- Guest operating system: Microsoft Windows Server 2003
- Applications running on virtual machines:
 - o File and print; databases; ERP system; communication programs

“With server sprawl pushing our data center to its limits, we needed to implement a scalable platform that would constrain hardware growth and reduce costs. VMware has provided this while enhancing our disaster recovery capabilities.”

David Lazell, Group IT Manager, Adelaide Brighton Ltd

Adelaide Brighton Ltd

Adelaide Brighton Ltd is a leading integrated construction materials and lime producing company servicing the resources, engineering and infrastructure sectors. The company has operations in all mainland states and territories of Australia and employs 1,300 people. It is listed on the Australian Securities Exchange and is a member of the S&P/ASX 200 Index, with a market capitalization of more than A\$2 billion.

In early 2005, the IT team found itself running into physical constraints in the data center. There were classic signs of server sprawl: disappearing footprint, rising power and cooling costs, increasing networking requirements and hardware expenditure that rose out of step with productivity gains.

After installing VMware technology with the help of VMware enterprise partner Logi-Tech, Adelaide Brighton decreased hardware costs, centralized more of its data center operations, improved change control processes and introduced disaster recovery (DR) capabilities for its primary business systems.

The next phase of the project entails further server consolidation, utilizing VMware’s capacity planning tools to determine the best candidates. Adelaide Brighton also plans to enhance its utilization of VMotion to reduce the impact of data loads on user experience. The company is targeting a further reduction in the number of physical servers from 59 to 30 by the end of 2007 and additional cuts to downtime.

Results

- Removed and decommissioned 35 physical servers
- Achieved a one-off savings of A\$230,000 in hardware renewal costs
- Saved A\$14,000 per year in hardware maintenance costs
- Achieved 5:1 server consolidation ratio (lightly loaded)
- Reduced load on room cooling and postponed upgrade
- Reduced server recovery time from 1-5 days to 1-5 hours
- Replaced limited DR environment based on tape backup and server insurance with a mirrored SAN and multiple physical servers running a virtualized platform