

## ENGlobal Corporation

Symantec Estimates ENGlobal's Projected Savings at \$6.25 Million Over Three Years



After an outsourcing arrangement proved too expensive as its business continued to grow, energy engineering firm ENGlobal brought its IT systems and administration—along with backup and recovery—back in-house. Using the NetBackup Platform, a comprehensive backup, recovery, and archiving solution from Symantec, we estimate ENGlobal may save \$6.25 million over the next three years and achieve complete payback on the solution in less than one year. The company can back up data with less administration time and now sends less data over the network from its remote sites. Secure data encryption allowed ENGlobal to choose a disaster recovery site that was 50 to 70 percent less expensive. Finally, through email and file system archiving, ENGlobal expects a significant savings on costs associated with e-discovery.

“Symantec’s NetBackup Platform allowed us to take control and ensure the reliability of backup, recovery, and archiving in our environment.

The integration of NetBackup PureDisk deduplication technology drove overall cost savings by enabling us to centralize data from both remote offices and the data center into a single, optimized storage system.”

**Alex Schroeder**  
IT Manager  
ENGlobal

### Engineering manageable growth

In business, growth is the name of the game. However, if valuable internal resources aren’t carefully managed, growth can strip a company of the same competitive advantages that propelled that growth in the first place.

ENGlobal, an energy engineering and professional services firm, is determined to avoid that scenario. “We offer our clients—primarily Fortune 100 integrated oil and gas companies—quality, rapid deployment, and an experienced, professional staff,” says Alex Schroeder, IT manager. “If we strive to keep our experts focused on innovation and being the best in our industry, the growth will come naturally. Some firms have a transition team dedicated to integrating large acquisitions. For ENGlobal, the challenge has been keeping up with small, tuck-in acquisitions and geographic expansion.”

### Taking control over backup and recovery

With limited staff resources, ENGlobal initially turned to an outsourcing provider for a hosted backup and recovery solution that included deduplication technology. Initially, this worked well, until data growth outpaced assumptions on back-end storage requirements, which pushed up outsourcing costs.

“Due to our rapid growth, our backup and recovery costs increased by 50 percent in the first six months of use,” says Schroeder. “Over time, I knew we’d be better off financially if we brought the data protection back in-house.”

### ORGANIZATION PROFILE

ENGlobal Corporation (NASDAQ: ENG) is an engineering and professional services firm serving primarily the midstream and downstream markets of the energy sector. Headquartered in Houston, Texas, the Company has approximately 2,900 employees in 21 offices. More information is available at [www.englobal.com](http://www.englobal.com).

### INDUSTRY

Power & Energy

### SOLUTION

Data Protection; Archiving

Using NetBackup PureDisk, which is part of the NetBackup Platform, ENGlobal increased backup speeds, improved recovery time, and reduced the amount of storage.

**“Searching through old data costs our department approximately \$200,000 a year, which will be significantly reduced by Enterprise Vault.”**

**Alex Schroeder**  
IT Manager  
ENGlobal

In 2007, ENGlobal implemented Dell PowerEdge servers, EqualLogic storage, and Veritas NetBackup™ for automated backup and recovery at its main data center in Houston, Texas. To perform hot, non-disruptive backups of its email data, ENGlobal added the Veritas NetBackup Agent for Microsoft Exchange Server in 2008.

### Projected payback in less than one year

ENGlobal’s engineers at remote sites regularly work with large CAD/CAM files that must be stored locally to facilitate high transaction rates. Accordingly, the Company needs to back up those remote sites on a regular basis. ENGlobal chose Veritas NetBackup PureDisk™ for its deduplication engine to provide bandwidth-optimized backup and recovery of its six major remote sites and improve storage utilization at its data center.

“With NetBackup PureDisk, we can centralize backup administration across all our major sites, which saves us about four hours a week in staff time,” says Schroeder. “With the outsourcing arrangement, one technician was required to spend approximately 12 hours a week managing backups and recoveries.”

NetBackup PureDisk 6.5 includes the NetBackup PureDisk Deduplication Option, which enables deduplication and replication of NetBackup images from existing NetBackup clients, allowing ENGlobal to store more backup data per terabyte of disk space. PureDisk’s ability to globally deduplicate backup data across data center and remote office backups while using the same storage pool means even more cost savings.

“With PureDisk’s global data deduplication, backups are also faster now,” says Schroeder.

By using Veritas NetBackup and NetBackup PureDisk, Symantec estimates ENGlobal may receive complete payback in less than one year.

## SOLUTION AT A GLANCE

### Business Drivers

- Provide reliable data backups
- Reduce administration time for backup and recovery
- Enhance governance and compliance
- Streamline e-discovery
- Reduce total cost of ownership for IT

### Technology challenges

- Shrink backup time and minimize bandwidth utilization
- Centralize backup administration across remote sites
- Optimize storage utilization

### Solution

Storage- and bandwidth-optimized protection for local and remote data with archiving solution

### Symantec Products

- Veritas NetBackup™ with Agents for: Microsoft Exchange Server, Microsoft SQL Server
- Veritas NetBackup PureDisk™ (Remote Office and Deduplication Option for NetBackup)
- Veritas™ Backup Reporter
- Symantec Enterprise Vault™ with: Microsoft Exchange Mailbox Archiving, File System Archiving

### Symantec Services

- Symantec Consulting Services
- Symantec Essential Support Services

### Technology Environment

- Applications: Microsoft Exchange Server, 2007 Microsoft Dynamics SL
- Databases: Microsoft SQL Server 2005
- Servers: Dell PowerEdge servers running Microsoft Windows Server 2003 and Red Hat Enterprise Linux
- Storage: Dell EqualLogic PS3900 and PS5000 series iSCSI storage arrays
- Tape library: Exabyte LTO Library

## BUSINESS VALUE AND TECHNICAL BENEFITS

### Cost Avoidance/Savings

- Projected \$6.25 million cost avoidance on outsourcing services over three years
- Projected payback on data protection solution in less than one year
- 50-70% savings on disaster recovery site due to lower security requirements enabled by data encryption

### Operational Efficiency

- Faster data backup and recovery
- Excellent backup success rate in the data center and in all remote sites
- Impressive recovery success rate
- Reduction in backup administration time
- Reductions in bandwidth required for remote backups and disaster recovery replication with PureDisk deduplication and compression

### Saving disaster recovery site costs

NetBackup PureDisk provides an efficient replication engine for customers that want to move backup data offsite for vaulting or disaster recovery purposes. In ENGlobal's case, the PureDisk deduplication, encryption, and compression features drove a 20 percent reduction in the bandwidth needed to move data offsite, helping ENGlobal save money on its new disaster recovery site.

"The data encryption capabilities in PureDisk enabled us to choose a tier two data center rather than a tier four, because our security needs are not as great with an encrypted backup file," says Schroeder. "We probably saved 20 to 40 percent on the disaster recovery location because of that feature."

### A centralized view of backup data

For a global, centralized view of its backup environment, ENGlobal plans to implement Veritas™ Backup Reporter in the third quarter of 2009. Using Backup Reporter, ENGlobal will be able to easily track backup success rates, monitor resource utilization, and catch any recovery exposures from an application, site, and business perspective.

"The NetBackup platform has improved the reliability of backup and recovery in our environment," says Schroeder, "and the integration of NetBackup PureDisk deduplication technology helped drive many of our cost savings by enabling us to centralize data from both remote offices and the data center into a single, optimized storage system."

### Saving six figures a year on e-discovery

To further reduce the amount of data that needs to be backed up, ENGlobal is in the process of implementing Symantec Enterprise Vault™ with Microsoft Exchange Mailbox Archiving and File System Archiving.

"With growth comes reward, but also liability," says Schroeder. "We have a two-year email retention policy and a five-year data retention policy. Enterprise Vault will help us further enforce these policies. And because Enterprise Vault can leverage NetBackup's tape management capabilities, we will be able to keep archived data accessible regardless of whether it's on disk or tape storage."

Symantec's Enterprise Vault is expected to save ENGlobal six figures a year in costs associated with e-discovery. "Searching through old data costs our department approximately \$200,000 a year, which will be significantly reduced by Enterprise Vault.

Additionally, mailbox archiving will allow much larger size quotas for mailboxes and attachments, not to mention reductions in disk storage needs," says Schroeder.

### Faster deployment

To ensure a smooth rollout of the Symantec products and provide efficient knowledge transfer, ENGlobal engaged Symantec Consulting Services.

"I have enjoyed working with Symantec Consulting Services," says Schroeder. "Their team has been professional and committed to reaching ENGlobal's goals. I truly believe they want to see the solution implemented the right way and quickly."

"You essentially take the experience of your team and add an extra layer of expertise," he says. "And it's a true value-add to the Company, because you save probably 60 or 70 percent of the time it would take to do it yourself."

### Strong reputation

"Symantec has a strong reputation and came highly recommended," says Schroeder. "They have the solutions we need. We've found Symantec to be a responsive, service-oriented organization, which is what we strive to be to our own clients."