

## CUSTOMER SUCCESS

# Kyungdong Worldwide

## Global Materials Manufacturer Increases Data Protection Efficiency and Gains Effective Countermeasure Against Ransomware with Veritas NetBackup™ Appliance

After growing steadily in the refractory products segment, Kyungdong Worldwide (CEO Son Dal-ho) has expanded into environmentally-friendly construction materials. With this growth—and the creation of a central document management system—came a need to upgrade the company’s data protection environment. Veritas NetBackup Appliance, which Kyungdong Worldwide has chosen as its new data protection platform, not only provides efficient backup and recovery, but also helps the company mitigate security risks such as ransomware attacks.



### ORGANIZATION PROFILE

**Site:** www.kdw.co.kr

**Industry:** Manufacturing

**Headquarters:** Yangsan City, Gyeongsang Namdo Province

### KEY CHALLENGES

With increased volume of enterprise-wide information generated from the central document management system, there was a compelling need for more rigorous protection of the data contained in the central document management system.

### SOLUTION

The cost-effective adoption of Veritas NetBackup™ Appliance dramatically shortens backup time to less than 30 minutes and increases confidence in backup data.

### BENEFITS

- Strong IT foundation for business continuity
- Reinforced security
- Reduced cost

### Global ambitions

Kyungdong Worldwide got its start selling fuels for homes and now has firmly established itself in the refractory materials<sup>1</sup> segment, exemplifying a success story of a medium-sized company. Centered around Wonjin, the holding company, Kyungdong Worldwide has continued to mark robust growth in synergy with its subsidiaries, including Kyungdong Energy, Kyungdong Development, Zangjigang Wonjin Industrial Material Limited, Zangjigang Wonjin Resources Recycle Limited, and affiliates including Kyungdong Navien, Haekyung Dongwon, Kyungdong Gas, Kyungdong Construction, and Kyungdong ENS. Kyungdong Worldwide has now entered global markets including Europe, Japan and China with a goal of becoming a leader in the materials market.

As the direct successor to Wangpyo Briquette, founded in 1967, Kyungdong Worldwide is now actively involved in resource production as well as in special refractory materials, for both domestic and overseas markets, specializing in developing, processing, and selling mineral resources. Kyungdong Worldwide has expanded its business further, now introducing “Kyungdong S-Wood”—an environmentally friendly new material. With its entry into the environmentally friendly construction materials market, the company has moved closer to its goal of becoming a global leader.



**“Whereas full backup typically took over 20 hours in the old environment, the Veritas NetBackup Appliance has demonstrated a remarkable ability to complete an entire backup process in less than 30 minutes.”**

**Mr. Lee Yoon-geun**

Assistant Manager of Wonjin Management Information Team  
Kyungdong Worldwide

**Maximizing business continuity of through data protection**

To increase its competitive edge, the company is building a central document management system to manage the enterprise’s knowledge as well as to increase business efficiency. At the same time, it was essential to ensure business continuity by preventing data loss at the source.

In 2016, Kyungdong Worldwide upgraded its data protection system by deploying a Veritas NetBackup Appliance. Assistant Manager Lee Yoon-geun, who is in charge of the computer systems of the subsidiaries of Wonjin Group as well as Kyungdong Worldwide, says, “A new data protection solution was needed not only for the data generated from the newly implemented central document management system, but also to upgrade the aging backup and recovery system. After reviewing various solutions, we came to a conclusion that Veritas NetBackup was best in terms of management efficiency as well as performance and reliability. We eventually implemented it as the backup and recovery solution for Kyungdong Worldwide.”

The NetBackup Appliance is an integrated backup and recovery solution. Whereas conventional backup software is typically installed and operated on a separate backup server, NetBackup Appliance has integrated all of the functions related to data protection, including deduplication and compression as well as backup and recovery, into a single optimized appliance.

**NetBackup Appliance: simple to build, convenient to operate**

Because Veritas NetBackup Alliance is offered as an appliance with all data protection functions integrated, it is simple to deploy and easy to operate. In particular, the Accelerator function in Veritas NetBackup Appliance has drastically reduced backup time by performing incremental backup only on updated data without scanning. At the same time, it is highly regarded for offering full backup that requires a high degree of reliability.

Moreover, the solution can be customized to fit the enterprise environment as it offers both target-based deduplication and source-based deduplication. Recently, a free version of Information Map was distributed to NetBackup Appliance customers. Information Map finds uncontrolled data to reduce risks and to increase the efficiency of data control.

According to Assistant Manager Lee Yoon-geun, “Whereas full backup typically took over 20 hours in the old environment, the Veritas NetBackup Appliance has demonstrated a remarkable ability to complete an entire backup process in less than 30 minutes.” He expressed satisfaction: “It not only handles backup in the central document management environment as originally intended, but it also performs integrated backup of all electronic sources, including ERP, Unix server and groupware servers, thereby reducing the load of backup tasks while increasing reliability even further.”

**Reinforced security by minimizing damage by ransomware**

By relying on the Veritas NetBackup Appliance, Kyungdong Worldwide is also enjoying added protection from the effects of ransomware attacks, which have recently caused damage to many corporate entities.

Ransomware refers to malware that arbitrarily encrypts a target file, after which the attacker demands money for recovering the file. When mission critical files are encrypted, corporate entities often have no choice but to yield to the attacker’s demand.

With the NetBackup Appliance performing full backups on a daily basis, Kyungdong Worldwide can now respond to ransomware attacks by quickly restoring its data to the point in time preceding the attack.

Assistant Manager Lee says, “As the entire enterprise’s information is stored in the central document management system, the consequences of a ransomware attack for our company have grown.”

**SOLUTIONS**

- Veritas NetBackup Appliance

Then he adds with confidence, “Through Veritas NetBackup, we are now able to quickly perform a full backup on a daily basis and maintain a reliable data environment, standing up to the threats of ransomware attacks.”

In the case of document centralization, it is only natural that the system becomes vulnerable to ransomware attacks as all users across the enterprise have access to and use the system. Because users with a lack of security awareness access the system, there is always a risk of ransomware attack. Kyungdong Worldwide also experienced an attack by ransomware that penetrated into the central document management system. Luckily, the attack occurred after implementation of the NetBackup Appliance. With quick system recovery, the company managed to minimize the ransomware damage.

“Of course, I understand that a backup and recovery solution cannot block entry of ransomware as it is not designed as a security solution. However, as a global leader in the data protection market, Veritas gives us confidence that it can counteract ransomware with strong data backup and quick recovery,” says Mr. Lee.

“Because [the data center of] a medium-sized company like Kyungdong Worldwide cannot be as well-equipped as that of a large company, the NetBackup Appliance can be a cost-efficient alternative that could counteract an unexpected disaster and mitigate not only security risks such as ransomware, but also unintended mistakes by the user,” adds Mr. Lee.

### **Veritas partner advice leads to reduced cost and improved efficiency**

Evergreen Information Technology, an IT vendor and a Veritas Partner, also played an important role in implementation of NetBackup Appliance in Kyungdong Worldwide. Originally, Kyungdong Worldwide was more interested in protecting the data contained in the central document management system, which put more emphasis on duplicate data storage than advanced backup and recovery. However, Evergreen recommended cost-efficient Veritas NetBackup Appliance as a proper solution for Kyungdong Worldwide. After careful review, Kyungdong Worldwide finally shifted its direction from storage duplication to advanced backup/recovery.

“When Evergreen Information Technology recommended an advanced backup and recovery solution, despite some concerns, we concluded it would meet all the requirements of Kyungdong Worldwide,” Mr. Lee says. “The solution not only protected the data in the central document management system but also replaced our existing aging backup system, which increased the efficiency of the backup task while significantly reducing the cost.”

Mr. Lee adds, “We completely removed NetVault, our old backup software, and built an integrated backup system with the Veritas NetBackup Appliance, not only for the central document management

**“With Veritas NetBackup Appliance, we have not only built an integrated backup system in ERP and groupware as well as the central document management system but also resolved the chronic space shortage issues experienced in the prior backup system.”**

#### **Mr. Lee Yoon-geun**

Assistant Manager of Wonjin Management Information Team  
Kyungdong Worldwide

system but also for ERP and groupware, thereby eliminating all of the issues associated with the prior backup system that suffered from a shortage of space and poor performance.”

### **Continuous growth with aggressive adoption of IT**

Moving forward, Kyungdong Worldwide expects that its Veritas NetBackup Appliance will bring a cost saving effect in the future, as it upgrades its IT systems. Kyungdong Worldwide has created a supply chain management (SCM) business unit as the business environment shifts from manufacturing to purchasing. In the future, when the time comes to replace (upgrade) the ERP system, the company is planning to build an environment that integrates ERP with SCM.

Veritas NetBackup Appliance is a universal OS solution that works with any backup target system, including Windows NT, Linux and Unix, which will eliminate redundant investment in the backup/recovery system even after ERP and SCM have been upgraded.

“With a universal OS solution, we can not only eliminate redundant investment but also minimize investment in the backup data storage space, as NetBackup Appliance has outstanding compression and deduplication rates.” says Mr. Lee. “The more you think about it from various aspects, including improved efficiency and reinforced security such as countermeasure against ransomware, plus protection of future investment, the more you feel confident that implementation of the NetBackup Appliance was a good decision,” he emphasizes.

Kyungdong Worldwide is making considerable investments in information technology. In fact, the company is building a foundation for continuing growth while improving business efficiency by aggressively adopting information technology. In the case of central document management, which was the basis for implementing the NetBackup Appliance, it has become a model example for manufacturers and corporations of similar size.

Kyungdong Worldwide is planning to leap forward to become a global leader in the materials segment with generous investment in the customized IT solution to realize digital transformation.

## INTERVIEW

### “Backup-Recovery to Data Protection with Excellent Performance and Convenience”

**Q. How did you come to implement Veritas NetBackup Appliance?**

Kyungdong Worldwide built and used a central documents management system but began to have a compelling need to more rigorously protect the data contained in the system where the entire enterprise information is stored and actively used. While reviewing various methods including duplicate storage, they came to accept Evergreen Information Technology’s suggestion—NetBackup Appliance, and proceeded with PoC, Kyungdong Worldwide later validated that it is a cost efficient solution best positioned to meet the demand of Kyungdong Worldwide, so they decided to implement it.

**Q. What is your satisfaction level with Veritas NetBackup Appliance?**

I am confident that it was a successful IT project. Our original interest was protection of data contained in the central document management system but later discovered the outstanding performance and convenience of NetBackup. Now, we have removed the existing solution even for ERP and groupware and replaced it with Veritas NetBackup Appliance.

While it is true that it was about time to upgrade the old backup/recovery solution we had installed years earlier, the new solution not only substantially reduced the backup time from over 20 hours to less than 30 minutes, Veritas is also a strong global contender in the field, thus giving more reliability in the backup performance. Considering that our original plan to go with duplicate storage requires purchase of a very expensive storage system, Veritas NetBackup Appliance was more advantageous even from the cost-saving point of view. We expect that such advantage will take effect even further as we invest more in information technology in the future.



**Mr. Lee Yoon-geun**  
Assistant Manager of Wonjin Management Information Team  
Kyungdong Worldwide

**Q. What is Kyungdong Worldwide’s future investment plan in IT?**

Kyungdong Worldwide built SCM as the company’s recent business environment was shifting to purchasing from manufacturing. It is our goal to integrate ERP with SCM when the time comes to upgrade ERP. We expect that the cost efficiency of NetBackup Appliance will shine during this process too.

Though Kyungdong Worldwide may not be in a position to make a huge investment in information technology like large corporations, our management is keen on information technology and therefore willing to make an investment. We will increase our competitive edge by adopting leading information technology and will continue to grow as the global leader in the materials market.

**For more information**

Please contact your local Veritas Sales Representative or Business Partner, or visit:

[Veritas NetBackup Appliances](#)

**Veritas World Headquarters**

500 East Middlefield Road  
Mountain View, CA 94043 USA  
1 (866) 837-4827  
[www.veritas.com](http://www.veritas.com)

**Veritas Korea Ltd.**

152 Teheran Ro, Gangnam Finance Center, 28th FL,  
Gangnam-gu, Seoul  
TEL: 02-3468-2100 FAX: 02-3468-2101  
[www.veritas.com/kr](http://www.veritas.com/kr)

<sup>1</sup> Linings for high-temperature furnaces and other processing units