CASE STUDY

Spectra Logic provides Slovnaft with a reliable, high-performance, consolidated storage solution, capable of scaling for future business needs

Slovnaft operates the largest network of filling stations in Slovakia specializing in top quality motor fuels and lubricants. Most of company's production is exported to other countries including the Czech Republic, Poland, Hungary, Austria, Germany, France and Italy.

Spectra T950 with LTO-6 drives and media

Slovnaft operates one of the top three oil refineries in Europe. The refinery, located in Bratislava, Slovakia, is processing 5.5 to 6 million tons of crude oil per year and operating the largest retail network in the country. Slovnaft´s key activities are production of motor fuels and petrochemicals, distribution, wholesale and retail sales.

The Challenge

Companies within the oil and gas industry often produce and record mass amounts of data, ranging from reservoir metrics, machinery and personnel performance, to oil flow rates and pressures. That data must be accessible to multiple users within the organization at a moment's notice. To gain and keep a competitive advantage within the industry, these companies must deploy backup and archive solutions capable of increasing capacity and performance.

When Slovnaft became partners with MOL Group, the conglomerate's business objectives for the data center were to update their tape drive technology and expand their library's capacity. Slovnaft's previous storage solution, consisting of two Sun StorEdge™ L700 tape libraries, struggled to meet the performance, reliability and expansion requirements desired by the organization, motivating them to seek out a replacement. They were also in search of a cost-effective solution capable of consolidating their footprint, making it easier for associates to manage.

*Left:
One of Slovnaft's modern, high-tech filling stations*

*Below:
One of Slovnaft's refineries*

The Solution

Slovnaft and MOL Group evaluated their business needs and decided to replace their two Oracle libraries with a Spectra Logic single-frame T950 tape library with LTO-6 drives and media. The Spectra T950 helped Slovnaft achieve their goal of having a reliable, speedy and consolidated data solution that can easily scale to meet the business' future requirements. With this solution they need only add additional frames or partitions to increase capacity when needed.

The T950's versatility was a key selling point for Slovnaft. Spectra Logic provided Slovnaft with an affordable, enterprise-level platform to manage their data storage needs.
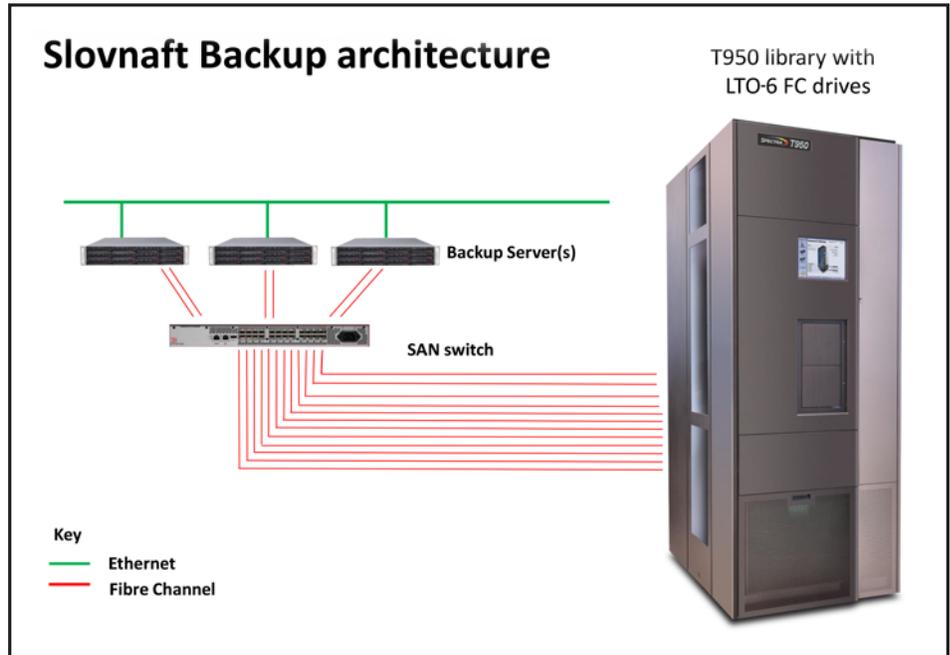
Why Spectra?

- Extremely Scalable
- High Performance
- Low Cost
- Reliable
- Accessible and Easy to Manage

Environment Snapshot

- Spectra® T950 tape library
- LTO-6 drives and media
- BlueScale® standard encryption
- Spectra MLM (Media Lifecycle Management)
- Fibre channel network
- More than 100TB of data

The Spectra® T950

is designed and built to meet the stringent requirements of the enterprise for data integrity, data security and high reliability. The T950 tape library reduces staff involvement significantly, affordably scales in throughput and capacity, and supports multiple generations of current and future tape formats.

Slovnaft Backup architecture

T950 library with LTO-6 FC drives

Backup Server(s)

SAN switch

Key
— Ethernet
— Fibre Channel

For data archive, backup and recovery, this elite library leads the field in innovation – from the greatest storage density to proactive media management, the T950 always protects your data. This library does it all.

LTO-6 Drives and Media...

can help you maintain or reduce your existing footprint by maximizing your data density by storing more data per square foot. LTO drive specifications include: up to 6.25TB of compressed capacity, digital speed matching of 40MB to 160MB per second, data transfer rates of up to 400MB per second, backwards compatibility of read/write for LTO-5 media and backward read capability of LTO-4 media.

About Wittee:

Slovnaft became a Spectra Logic customer through their business partner, Wittee. Wittee specializes in providing comprehensive and professional solutions for information technology security entities within the Slovak market. Wittee offers such services as: building large data repositories, data security, backups and archiving data, and data lifecycle solutions.