

*With advanced Check Point INSPECT and SmartDefense technologies, this solution ensures that data flow is inspected at every level – the operating system kernel, the data link layer, the network layer, and the application layer.*



## INDUSTRY

Manufacturing

## CHECK POINT PRODUCTS

- VPN-1® Pro™
- SecurePlatform™
- SmartDefense™
- SmartCenter™

## CUSTOMER NEEDS MET

- Secure Internet access for branch offices
- Secure point-of-sale connections to central information systems
- Secure connection to business partners
- Highly reliable network for business continuity

# Petroleum Company Securely Links Offices and Stations in China with Check Point

## ABOUT THE COMPANY

This international petroleum company broke new ground, entering the market in the People's Republic of China in 1999. As the largest liquefied petroleum gas (LPG) importer in China, its business covers production, distribution, and sale of oil, natural gas, and other industrial chemicals such as ethylene. It is the first foreign company to provide liquefied natural gas mains and end service for Chinese customers; the only one to obtain a business license to supply aviation fuel nationwide; and the only one to have established strategic partnerships with major airlines as well as local airports. The company also launched business alliances with large petrochemical companies such as China National Petroleum Corporation (CNPC) and Sinopec Corporation, establishing joint ventures in Guangzhou, Liaoning, and Zhuhai provinces.

## THEIR CHALLENGE

Headquartered in Guangzhou, the petroleum company also has offices in Hong Kong, Zhuhai and Liaoning provinces. The office in Liaoning province operates 113 gas stations. The Zhuhai office, an LPG provider in the local market, manages a supply chain of distributors and customers. The Hong Kong office, which supplies fuel to power plants for electricity generation, settles accounts with its customers and manages the supply chain online.

Because network communication became increasingly important for business, the company wanted to construct a secure environment for information access to prevent internal and external threats. Specifically, the company's security challenges were to:

- Provide the four regional offices with secure access to the Internet without using costly dedicated circuits
- Connect the regional offices and 113 gas stations' point of sale to corporate information systems securely and efficiently

- Securely connect with business partners
- Provide authorized employees with secure access to corporate resources while on the road
- Ensure a reliable ISP link for continuity of Internet- and intranet-based business flows

### THE CHECK POINT SOLUTION

Check Point®, with its OPSEC (Open Platform for Security) partner i-Security, supplied this petroleum company with an integrated solution to ensure network security. The solution consists of Check Point's VPN-1® Pro™ software on i-Security SP-4500 and i-Security SP-4032 security platforms.

The i-Security hardware features hot-swappable power supplies, disk mirroring, and port redundancy to prevent service interruption due to hardware failure. It runs Check Point's hardened operating system, SecurePlatform™. Check Point's VPN-1 Pro includes centralized security management, advanced attack protection, and traffic-shaping technologies.

At Guangzhou headquarters, a VPN-1 gateway provides secure network access for branches, partners, and traveling employees. The gateway is deployed on two i-Security SP-4500 security platforms with a dual ISP Internet connection, providing a secure, reliable, and stable e-commerce platform for the company. VPN-1 gateways are also deployed at all the branch offices on i-Security SP-4032 platforms. All offices are linked securely over the Internet via site-to-site VPNs, eliminating the need for costly dedicated circuits. Check Point's intelligent INSPECT™ detection technology ensures the privacy of Web-based business communications and prevents unauthorized access.

All 113 gas stations connect to the Liaoning office via secure VPN channels. Some access the Internet via General Packet Radio Service (GPRS) and the remainder via a dialup connection to the Internet in order to reduce the costs of modem pool administration.

### THE BENEFITS OF CHECK POINT SECURITY

Check Point's VPN-1 Pro, integrated with Check Point's advanced security technologies, VPN-1 and FireWall-1®, can support any type of deployment, including remote-access VPNs for the company's mobile employees, site-to-site VPNs for linking its offices and gas stations, and extranet VPNs for connecting with distributors, power plants, and other business partners.

With advanced Check Point INSPECT and SmartDefense™ technologies, this solution ensures that data flow is inspected at every level—the operating system kernel, the data link layer, the network layer, and the application layer. The company's resources are protected proactively from fast-evolving Internet worms and other attacks.

The Check Point security management architecture, SMART, allows easy, centralized management of firewall and VPN policies. Headquarters and branch-office firewalls and the entire VPN topology are centrally managed with SmartCenter™ at the headquarters. The company doesn't have to station security administrators at every location in China.

The i-Security SP-4500, integrated with Check Point's latest VPN-1 version, offers excellent attack protection, strict access control, large-scale centralized management capabilities, and detailed system log capabilities.

#### CONTACT CHECK POINT

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