FIREMON

CASE STUDY

# Multinational Leader in Energy Production Unlocks Security Agility; Drives Continuous Compliance

*One of the world's largest enterprises needed to gain real-time visibility into its complex global network and modernize policy management to improve agility and ensure compliance with stringent regional standards.*

## The Challenge

The company wanted to be first to address a national initiative for improved cybersecurity, which called for near-continuous compliance. Standing in the way was poor visibility into a hybrid network of 300 firewalls and 500 network devices, manual processes to manage network policies, and minimal rule documentation. The inability to assess rule changes in real time jeopardized compliance by hindering recertification and audit preparations.

## Reimagined Security Policy Management

The company opted to automate network security policy management. They sought a solution that would significantly increase visibility, fully orchestrate policy and rule management and recertification, and accelerate compliance reviews. Equally important, the solution had to automate and streamline the company's unique workflows and integrate with multiple internal systems while delivering scalability and performance across varied deployment environments, including refineries and tankers.

| Before | After |
|---|---|
| — Limited network visibility impeded the ability to view open access paths and understand enforcement points | ✓ Real-time visibility allows traffic flow analysis and provides clarity around policy enforcement and network traffic behavior |
| — Manual processes hindered provisioning, created delays, and increased risk of misconfigurations | ✓ Automated policy management and workflow orchestration streamline and accelerate rule provisioning |
| — Large complex rulesets containing redundant, shadowed, and overly permissive rules introduced security risk and degraded network performance | ✓ Clean, optimized rulesets reduce complexity, eliminate unnecessary access, and optimize network performance |
| — Inability to conduct compliance assessments and minimal rule documentation and justification hindered recertification and audit preparations | ✓ Real-time rule compliance assessment, justification and recertification, and rule documentation aid in audit reviews and achieving continuous compliance |
| — Inability to track and determine the impact of rule changes jeopardized compliance efforts | ✓ Automated change tracking ensure changes are certified and compliant |

## The FireMon Solution

FireMon's solution provides real-time visibility and integrated policy planning, management, and optimization. Orchestration APIs enable centralized management of Cisco, Palo Alto, and Juniper network devices as well as integration with BMC Remedy and the company's ERP system to enable change-management workflows. Intelligent policy planning automates provisioning, enabling the network security and operations teams to determine the impact of network changes, validate rules against regulatory requirements, and implement the right changes with precision. Real-time compliance assessments, automated rule review and recertification, and documentation of rule recertification and justification aid compliance efforts. With real-time visibility, control, and management of the policies for all network security devices, the company is able to increase security agility, secure their networks, and ensure continuous compliance—all from a single pane of glass.

## The Next Step

Since the company significantly improved their capability and capacity to stay on top of network policy changes, the next goal is to extend the solution to an additional 1000 network devices. They are also looking to improve their risk profile through enhanced vulnerability management using real-time risk analysis and threat modeling to uncover exposures, score network risk, and prioritize remediation.

### Anticipated Benefits

- ✓ Up to 43% increased efficiency in policy change processes through improved workflow
- ✓ Comprehensive visibility into 300 firewalls and 500 routers and switches
- ✓ Up to 60% faster compliance reporting while eliminating compliance errors due to misconfigurations

## Who is FireMon

FireMon is the only agile network security policy platform for firewalls and cloud security groups providing the fastest way to streamline network security policy management, which is one of the biggest impediments to IT and enterprise agility. Since creating the first-ever network security policy management solution, FireMon has delivered command and control over complex network security infrastructures for more than 1,700 customers located in nearly 70 countries around the world. For more information, visit www.firemon.com.