

# LightSEC™

## NFV-BASED CYBER SECURITY SOLUTION FOR UTILITIES

### MODULAR PROTECTION FEATURING CHECK POINT® SOFTWARE TECHNOLOGIES

As a critical infrastructure provider you face increasingly diverse and complex security challenges. Threats to systems exist in your IT, operational support and network environments. You have already invested in a first tier of security systems, and now you need to upgrade and expand these. You need an optimal solution which addresses your current needs yet maintains the flexibility to deal with inevitable, future challenges. ECI's cyber security Network Function Virtualization (NFV) platform is that solution.

The NFV's modular architecture and powerful x86 engine enables you to deploy multiple security Virtualized Network Functions (VNFs) to create a customized and expandable security environment, focused on your particular requirements. Best of all, based on ECI's strategic relationship with Check Point Software Technologies®, you can now deploy Check Point software on LightSEC's NFV platform. This provides you the ideal combination of running Check Point solutions along with the flexibility of running additional security modules on the same platform (additional VNFs). **The LightSEC NFV for utilities and strategic industries features:**

#### Check Point Inside

World leading next generation threat prevention.

#### Modular VNFs

Customizable for critical infrastructure applications.

#### Flexible Deployment

As a stand-alone appliance or transport system plug-in.



NFV



Firewall & IPS



L1- L3 Encryption



SCADA  
DPI



SCADA Anomaly  
Detection



Unidirectional  
GW



APT Protection

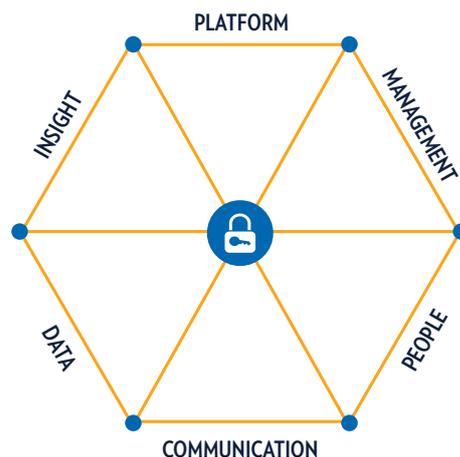


DDOS  
Protection

# LightSEC™ Comprehensive Cyber Security Suite

LightSEC is ECI's suite of security appliances and applications that provides holistic protection for an increasingly open and programmable network and operational infrastructure. It includes multiple security applications like encryption, gateways, firewalls, DDOS protection, network anomaly detection, big data cyber analytics and strong authentication. It also includes the LightSEC-V™ that provides 'at-a-glance' aggregated views of calculated threats from these multiple applications per customer requirement.

LightSEC applications can be delivered through the NFV solution. Moreover, for ultimate flexibility, the NFV can be deployed as a stand-alone appliance or as a pluggable blade in ECI's packet-optical transports systems (Neptune).



## Check Point Software Technologies Solutions for Critical Infrastructure Providers

As part of LightSEC, ECI's NFV solution proudly features an ability to deliver Check Point security solutions, including their Next-Generation Firewall with Application Control and breakthrough Intrusion Prevention System (IPS). Moreover, Check Point provides security solutions suited to the particular needs of critical infrastructures including ICS/SCADA (industrial control systems/supervisory control and data acquisition):

### BENEFITS

### FEATURES

**Provides situational visibility of SCADA traffic, controls and attack forensics**

- Logs all SCADA activity out-of-band and independent of the ability of SCADA devices to send logs
- Detects baseline normal behavior and alerts on deviations from the baseline to prevent undesired network operations based upon policy
- Manages security and events centrally, providing a complete view and consistent policy deployment across your enterprise and control networks

**Inspects and enforces segmentation of IT/OT**

- Implements enforcement on networks and hosts grouped on common security requirements
- Secures and prevents tampering of communications and data in transit between segments with VPNs

**Granular ICS/SCADA control for industrial environments**

- Provides granular inspection and control of multiple ICS & SCADA protocols such as Modbus, DNP3, BACNet, MMS, OPC, Profinet and ICCP
- Blocks exploitation of known SCADA vulnerabilities
- Discovers and prevents bots via heuristic and behavioral analysis

Contact us to discover how ECI's NFV-based LightSEC solution can secure your business



### ABOUT ECI

ECI is a global provider of ELASTIC network solutions to CSPs, utilities as well as data center operators. Along with its long-standing, industry-proven packet-optical transport, ECI offers a variety of SDN/NFV applications, end-to-end network management, a comprehensive cyber security solution, and a range of professional services. ECI's ELASTIC solutions ensure open, future-proof, and secure communications. With ECI, customers have the luxury of choosing a network that can be tailor-made to their needs today - while being flexible enough to evolve with the changing needs of tomorrow. For more information, visit us at [www.ecitele.com](http://www.ecitele.com)