# Senior Network Engineer

The Senior Network Engineer will assure a determining role in the design, implementation, and efficiency of network and security solutions in AMERA (Asia, Middle East, Russia & Africa).   
  
He/She will be in charge of effectively designing and reviewing network requirements and capabilities for the organization. He/She will be responsible for validating high-level design and low level plans consisting of sizing, cost for optimal network implementation.   
  
Perform network infrastructure internal review and propose a solution for technology modernization for Essilor and partners   
  
Scope of business:

* This position covers all AMERA (Asia, Middle East, Russia & Africa) entities, Data Center and Hubs as well as partners
* Work with vendors for solutions design and implementation
* Work with internal teams for global network operations and security

Roles & Responsibilities   
  
(A) Data Center Technologies: Manage datacenter services hosted in Singapore and various Domestic Hubs, below are the key technologies which will be expected:

* Cisco DC Routing and Switching – design, implement and operate of Nexus 3K, 9K and basic technologies such as VPC, VDC and other advance technologies like automation. Use of Cisco ISR routers and Catalyst switches for routing
* Citrix Network Load Balancer – design, implement and operate of Citrix Netscaler VPX series
* DMZ Network – design, implement, operate Palo Alto firewall, Cisco and Citrix Load Balancer
* Palo Alto Firewall – design, implement and operate of Palo Alto firewall utilizing Threat Prevention, URL Filtering, App ID, creating of rules and reports and Automation
* Junos Pulse SSLVPN – design, implement and operate Junos Pulse based SSLVPN solution such as realm, group and others
* Common Services – design, implement and operate of DC common services such as NTP, Syslogs and others

(B) Wide Area Network Technologies: wide area and remote site wan connectivity services covering AMERA sites and Partners

* MPLS/BGP/QoS/Traffic Engineering – design, implement and operate wide area network using MPLS, BGP, QoS and work with International and Domestic ISPs
* Static/Dynamic Routing – use of Static routing and Dynamic routing for the IGP facing WAN MPLS CPEs and PEs
* Netflow, NBAR – design, implement, operate of netflow and nbar
* IPSEC VPN/SSLVPN – use of firewalls for IPSEC/IPSEC-GRE configuration. Use of Junos Pulse for SSLVPN connectivity for Internal users and External Partners

(C) Local Area Network Technologies: Local area services covering design, implementation and operations for all AMERA sites

* Wired networking – use of (HSRP, VRRP, GLBP, STP, ACLs, VLANs, DHCP, Ether-channels), various LAN Security technologies
* Wireless networking – use of 1800/2800 AP, 2500/5500 WLCs, using of SSID, Flex-connect, intergration with DHCP, NPS and ISE
* Network Security Technologies: Network Security services covering design, implementation and operations for all AMERA sites
* Firewall Security – use of standard Palo Alto devices, sizing and evaluation of features. Utilize threat/URL filtering. Creation of firewall rules, NAT and application of other Advance Palo Alto features. Use of Panorama for managing multiple Palo Alto firewalls
* Cisco CBAC/Zone Base Firewall – use Cisco security technologies such as CBAC/Zone Base firewall features, ASA and CSM and assist on migrating these to Palo Alto firewall
* Identity Service Engine – use of Cisco ISE for enforcing security and access policies for end point devices and network devices.
* Microsoft NPS and Radius – use of Microsoft Network Policy Server to enforce Essilor access policies and authentication. Use of Radius and Dot1x authentication. Assist in migration of NPS and Radius service to Cisco ISE

(D) Network Monitoring Tools and Capacity Planning: Network monitoring tools and network capacity planning services covering design, implementation and operations of Centralized tool for monitoring all AMERA sites and Partner network devices, servers and others

* Solarwinds: use of Solarwinds suite of tools to provide network monitoring and capacity planning. Create templates, configuration backup, compliance and network topology via Solarwinds
* Value Added Functions: these are additional role, deliverables which can be added in a short notice depending on business needs
* Function as SME for assigned technologies

Technical Skills/Knowledge

* 6-8 + years in network senior position
* 10 years in IT focusing or with solid expertise in Networking in terms of Design, Implementation and Operation
* ITIL Foundation Skills
* Project Management skills
* Adept at the design, implementation & operation of Network and Security

Soft Skills

* Ability to create and translate business requirement into a technical high design and low level design
* Ability to adapt and learn new technology
* Ability to work under pressure with minimal supervision and understand the business needs
* Strong communication skills to influence stakeholders