ABOUT ECI TELECOM

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.
In today’s world, CHANGE is the only constant.
• Customers change
• Technology changes
• The market changes
To survive - you also need to change...

But to EXCEL - you need to change swiftly, seamlessly and profitably.

You need to be ELASTIC
“Organizations that are adaptive, are the ones inventing the future.”
- The Elastic Enterprise

Companies that are smart enough to reinvent themselves will own the future. This is why ECI has developed the ELASTIC Network – so that you can quickly adapt to the rapidly evolving market.

ECI’s ELASTIC Networks scale and operate efficiently using open, secure and vendor agnostic technology. For companies who want to reinvent themselves, ECI offers an elastic network that changes along with them.

JOIN THE ELASTIC NETWORK REVOLUTION.
Beyond Cloud Connectivity

ElastiGRID
Supreme Service Elasticity
FOR SERVICE PROVIDERS OF ALL TYPES:
FIXED, MOBILE, TRIPLE/QUADRUPLE PLAY

ElastiNET
Transparent Network Transition
FOR UTILITIES: POWER, GAS, TRANSPORT,
MILITARY AND DEFENSE

ElastiCLOUD
Beyond Cloud Connectivity
FOR CLOUD SERVICE PROVIDERS
AND DATA CENTER OPERATORS
UNLIMITED
Transmission and switching capacity to handle surging demand for bandwidth and new traffic patterns created by cloud computing and data storage.

EFFICIENT
Network implementation to ensure network flexibility and profitability while meeting new service demands anywhere, anytime.

OPEN
Network programmability and open APIs to create and enable new revenue generating applications.

SECURE
Operation infrastructure to secure services and ensure their integrity.

ECI

TECHNOLOGY PRINCIPLES
SmartLIGHT™
ECI’s PORTFOLIO FRAMEWORK

SmartLight™ is ECI’s portfolio framework for delivering the elastic network. Made up of four interconnected functional blocks:

- Transport Hardware Layer
- Control Software Layer
- Applications Software Layer
- Security Layer, which encapsulates the portfolio by providing holistic network security.

Interfaces open to:

- OSS/BSS/Orchestration
- Third-Party Apps
- Service & Network Databases
LightSec’s ‘hexagon’ strategy provides multi-layer, multi-faceted protection for your network. This security suite leverages ECI’s network expertise with best-in-breed applications and appliances to deliver a comprehensive cyber security solution. The applications can run on ECI’s new Network Function Virtualization (NFV) platform, which is available as a blade as well as a stand-alone appliance.

SECURITY

LightSec™
LightSec’s ‘hexagon’ strategy provides multi-layer, multi-faceted protection for your network. This security suite leverages ECI’s network expertise with best-in-breed applications and appliances to deliver a comprehensive cyber security solution. The applications can run on ECI’s new Network Function Virtualization (NFV) platform, which is available as a blade as well as a stand-alone appliance.

Unidirectional Secure GW

L1 – L3 Encryption

Big Data Analytics

Network Anomaly Detection

Secure Site GW (UTM)

Strong Authentication

APPS

LightApps™
LightApps’ advanced capabilities enable you to:
• Quickly introduce new, premium services
• Automate network services
• Increase network efficiency and visibility

LightInsight™
Network Analytics
In-depth insights into resources and utilization

LightConnect™
Bandwidth on Demand
Dynamic services for bursty applications

LightTime™
Scheduled Services
Guaranteed resources for highest network efficiency

LightAction™
Network Programming
Automated responses to network events

LightWays™
Traffic Congestion Management
Optimum traffic flow enabled by congestion prediction, detection, and relief

LightSaver™
Power Optimization
Savings through shutdown of inactive resources
ECI's Packet-Optical and Carrier Ethernet products are the foundation of our SmartLight™ solutions. Led by the industry-proven Apollo (OPT) and Neptune (NPT) families, ECI's solutions provide Layer 0 through Layer 3 service coverage, extending seamlessly from the metro access, through the regional core, to the long haul.

**LightSoft** is ECI's industry-leading network management system (NMS), providing unified multi-layer, end-to-end network management, through an intuitive, point-and-click user interface.

**LightControl** is ECI's carrier-grade SDN controller for wide area networks, featuring a centralized, unified, multi-layer control plane. This controller enables network optimization and real-time programmable control logic.

### TRANSPORT

**Packet-Optical Transport**

ECI's Packet-Optical and Carrier Ethernet products are the foundation of our SmartLight™ solutions. Led by the industry-proven Apollo (OPT) and Neptune (NPT) families, ECI's solutions provide Layer 0 through Layer 3 service coverage, extending seamlessly from the metro access, through the regional core, to the long haul.

### Secure

**Secure**

- Highest Level Encryption - with AES-256 GCM
- Super Secure Management Paths - local, EMS and NMS
- Highest Availability - ASON-service and WSON-wavelength routing

### Open

**Open**

- LightApps™ Premium Services - SDN applications over current & future SDN networks
- Effortless Provisioning and Management - Point and click setup with real time, performance feedback

### Efficient

**Efficient**

- Flexible - L0 to L2.5 convergence
- Carrier Ethernet - packet integrated with optics
- Thousands in Savings - with our highest density, lowest power rack

### Unlimited

**Unlimited**

- Effortless Scalability - software upgradeable clients to 100GbE
- Transmission Speed - 100G, 400G and up to 1T
- Switching Capacity - Up to 16T

### Apollo (OPT)

- Speed - from 1GE to 10GE and 100GE
- Capacity – from 5G demarcation to 2T core
- Technology – from TDM to MPLS, IP and OTN

### Neptune (NPT)

- Packet-Optical Convergence – L0 to L3
- Multi-Service Support – CE2.0 certified, Packet, TDM, X, Storage, Video
- Flexible Architecture - Modular and scalable

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Since its foundation, ECI has promoted innovation and technology leadership.

ECI maintains a notable reputation as a leader in the network market, partnering with hundreds of leading communication service providers in 70 countries across the globe. All will attest to the excellent performance of our products and our experience in network planning, optimization and operations. Today hundreds of millions of people around the world rely on ECI for their daily communication needs.

Global Presence

Established as a pioneer in the field of advanced electronic equipment since 1961, ECI became the first to market DCME equipment in 1988. In 1977, ECI introduced Telephone line doubler enabling two conversations over one phone line. ECI was the first to market SDH in 1993 and optical rings in 2000. In 2001, ECI launched MSPP and in 2003, the company introduced CWDM. ECI became the first to market 3rd generation WSS ROADM in 2006.

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