

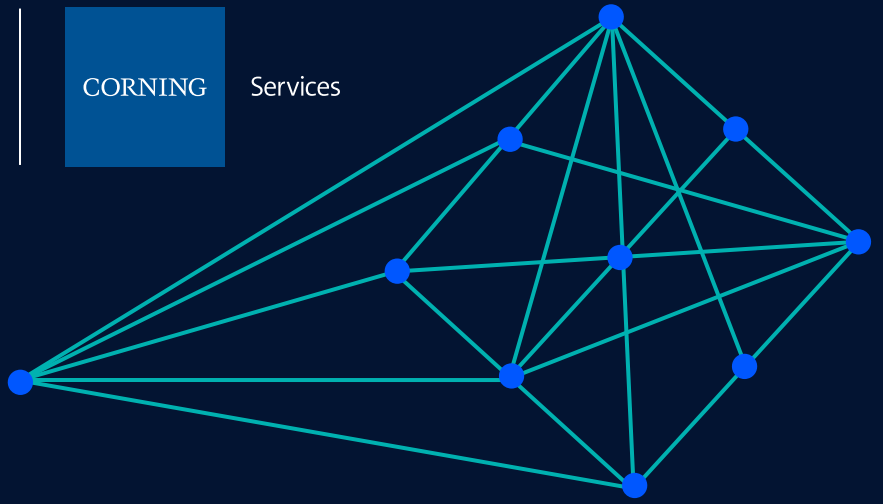


THE ELASTIC NETWORK

CORNING

Services

TRANSPORT PORTFOLIO



TRANSPARENT NETWORK EVOLUTION

Today's telecoms services are changing at an unprecedented rate. This requires a paradigm shift in the way transport networks operate. New services like 5G, cloud services, and IoT for smart cities and utilities drive the need for a next-generation transport network that is dynamic enough to react rapidly to change, yet deterministic enough to meet the needs of all service types. ECI's Elastic Services Platform gives operators an evolution path to this next generation transport network and provides the agility and flexibility to adapt, as service needs continue to evolve.

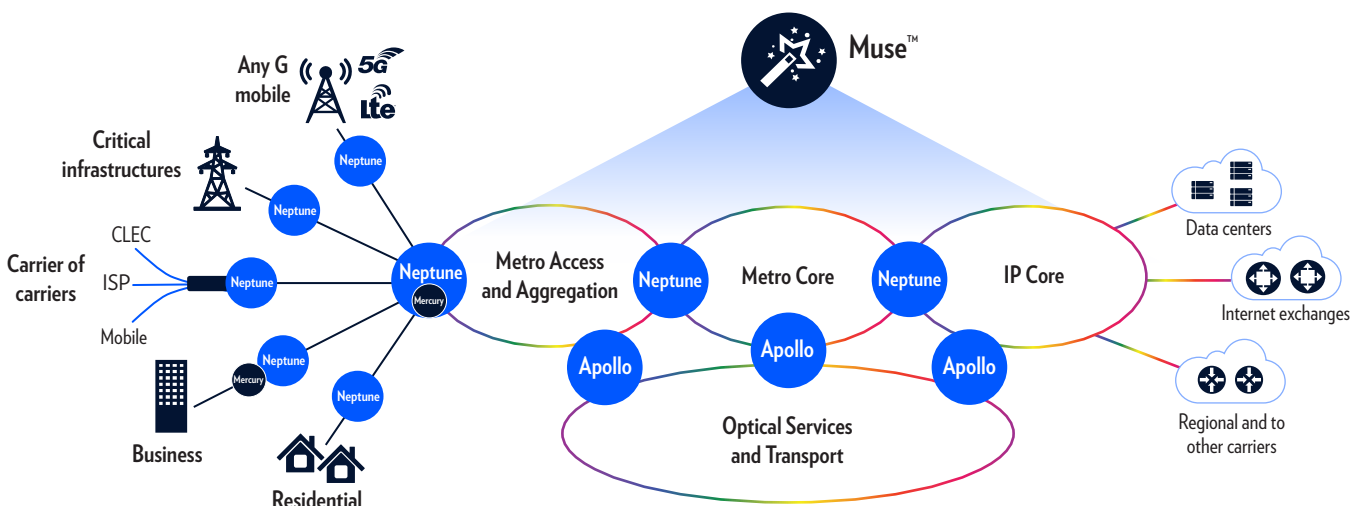
ECI'S ELASTIC SERVICES PLATFORM IS ENHANCED BY:

Unparalleled transport hardware

Apollo optical transport, Neptune packet transport, and Mercury™ NFV solutions are at the heart of ECI's converged solutions for next-generation transport.

Advanced operations software





LightSOFT® provides intuitive network management. On top of this, we add Muse service and network applications to provide SDN control and service lifecycle management.

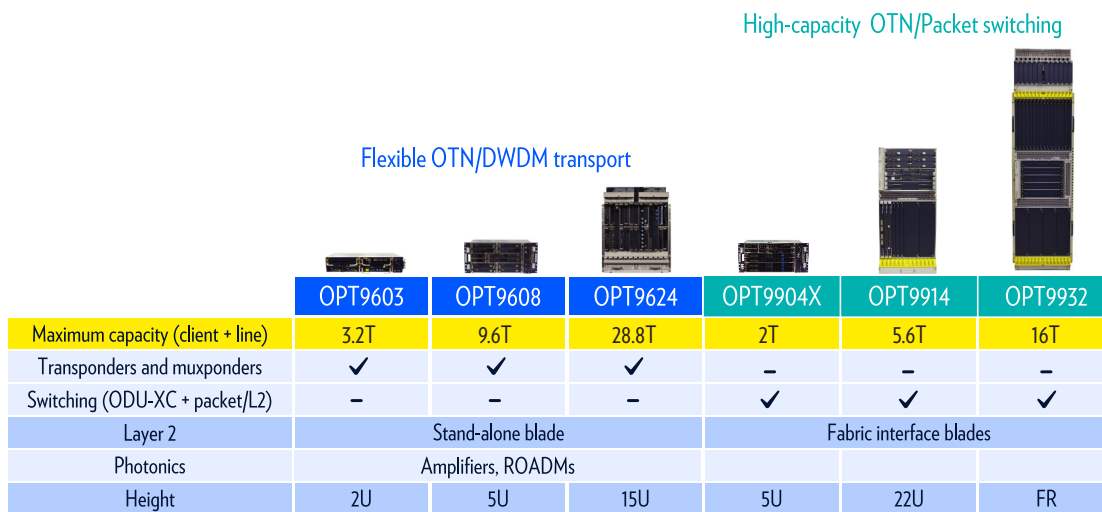


APOLLO

Optical transport with packet services

The Apollo product line provides state-of-the-art transparent and flexible DWDM transport with integrated OTN and packet switching capabilities. A modular architecture allows optimized solutions for the access network, the metro core, and regional long haul. Apollo combines high performance, low-latency, OTN transport and switching with software-configurable optical routing for maximum efficiency. Apollo has unique integrated intelligence features to make network administration and maintenance simple and insightful; intelligence that is designed to enable full SDN-capable transport networks.

	<p>ELASTIC Multiple switching options and innovative elastic hardware</p>		<p>POWERFUL 10G to 600G line rates within the same platforms</p>		<p>EFFICIENT Low power and high density</p>		<p>INTELLIGENT Integrated monitoring, restoration and software control</p>
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APOLLO BENEFITS

Elastic:

- **Multiple switching options:** Packet, OTN, wavelength
- **Any topology:** Point-to-point, ring, and mesh
- **Elastic hardware:** Innovative configurability for minimal capital costs

Intelligent:

- **LightPULSE™:** Integrated OSNR reporting and OTDR capabilities
- **GMPLS:** Flexible control plane
- **SDN Applications:** Immediate savings and new revenue generation

Comprehensive:

- **Line speeds:** 10G to 600G line rates in the same hardware
- **Network locations:** Solutions from access to core
- **Encryption:** Per-service encryption

Cost effective:

- **Efficient:** Low power and high density
- **Low cost:** Lowest industry TCO
- **Compatible:** NEBS and ETSI compliant

NEPTUNE

Packet aggregation with integrated optics

The Neptune product line provides a powerful, flexible, and efficient platform streamlining metro packet transport. Advanced features like embedded NFVi, enhanced reliability, and SDN control simplifies risk-free evolution to a next generation transport network. Unique elastic MPLS capabilities make delivery of both dynamic and deterministic services on the same platform a reality. With these capabilities, Neptune is well suited to be the platform of choice for evolving your network to support 5G transport, cloud services, and modernized mission-critical communication.



**MULTISERVICE
WITH ELASTIC
MPLS**












**ELASTIC
SCALABILITY**



ALWAYS-ON



**READY
FOR 5G
TRANSPORT**

	NPT-1010	NPT-1022	NPT-1050	NPT-1250	NPT-1300	NPT-1800
	 TP	 TP/IP				
	NPT-1010D	NPT-1020/21		NPT-1200		
	 TP	 TP				
Capacity	5 Gbps	Up to 60 Gbps	Up to 300 Gbps	Up to 560 Gbps	Up to 1.6 Tbps	Up to 2 Tbps
Height	1U	1U	1U	2U	3U	8U
	ACCESS			METRO AGGREGATION		METRO CORE

NEPTUNE BENEFITS

Multiservice:

- **Elastic MPLS:** MEF CE2.0 services, Layer 2/Layer3 VPNs and TDM
- **Multi-technology:** Segment routing, MPLS (IP and TP), WDM, OTN, and TDM Ethernet, packet, WDM, OTN, and TDM
- **Dynamic flexibility:** The right technology at the right points in the network
- **Deterministic performance:** To meet the policies and parameters of each service transported

Always-on:

- **Ultra-high availability:** Comprehensive hardware resilience with transport and service restoration
- **Advanced operational software:** Real-time, right-first-time OAM and network analytics

Elastic scalability:

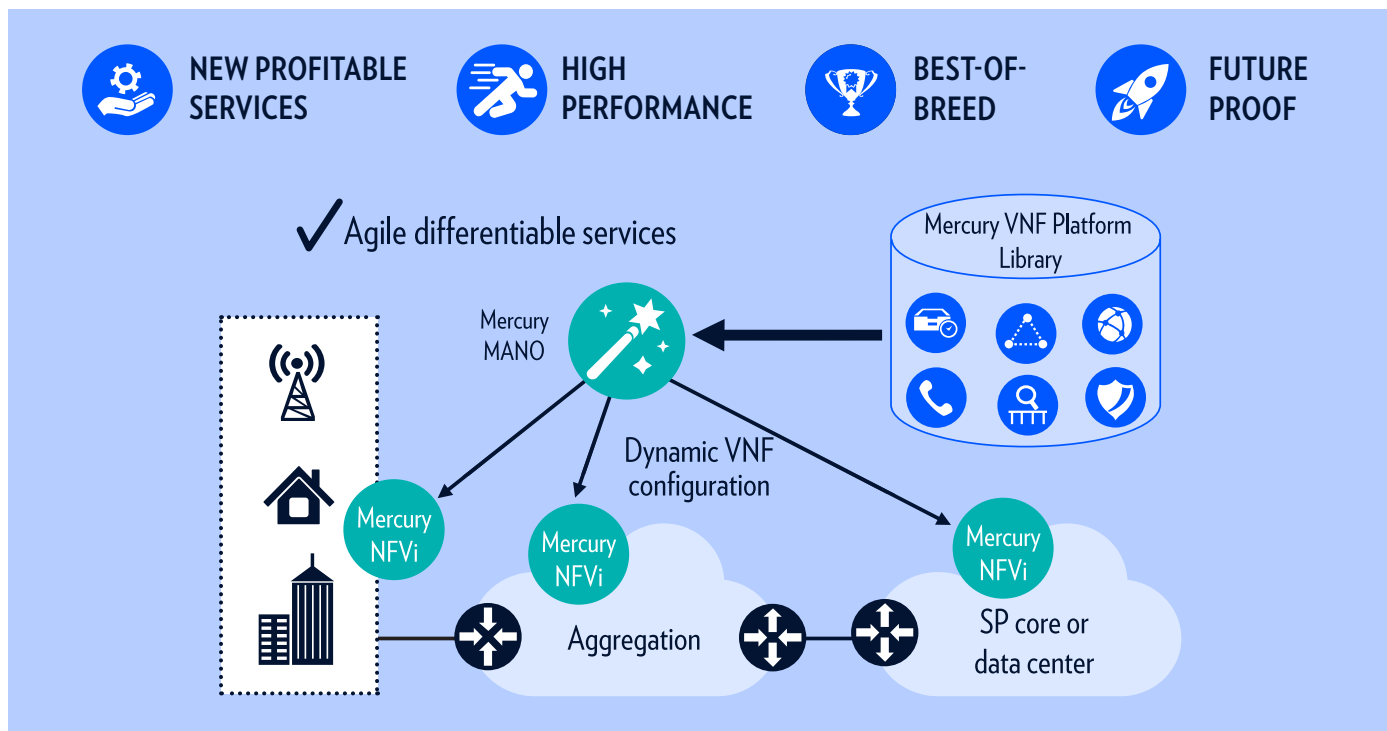
- **Elastic hardware:** Multipurpose cards, useable across the portfolio
- **Comprehensive portfolio:** Right-sized, high-density, low-power from 5G to 2T
- Pay-as-you-grow scalability

Ready for 5G:

- Dynamic, deterministic, and assured service delivery
- Hybrid slicing, providing soft and hard slicing as needed, on a service-by-service basis
- Advanced synchronization
- SDN- and NFV-enabled
- **Open:** NETCONF/YANG, OpenFlow, PCEP, and BGP-LS interfaces

Bringing service agility closer to the network edge

The Mercury™ Network Function Virtualization (NFV) family allows virtualized network functions (VNFs) to be deployed at the network edge. The Mercury hardware can be either an NFVi blade housed in the Neptune platform or a standalone appliance. A standards-compliant, open, modular architecture supports both ECI and best-of-breed VNFs, allowing rapid, dynamic creation of new services.



MERCURY BENEFITS

New profitable services:

- **Universal CPE, SD-WAN** and associated business services
- **Multi-access Edge Computing (MEC):** Ideal platform for providing MEC, as required

Best-of-breed:

- Supports best-of-breed VNFs
- Standards-compliant platform

High performance:

- **Low latency:** Ideal for services that require low latency
- **Service Chaining:** Chaining multiple services on a single platform

Future proof:

- Provides the flexibility to allow the network to adapt to future needs
- Multilevel security

Contact us to find out how our ELASTIC networks can help your business grow



ECI Telecom Certified
Elite Partner;
System Integrator for
Germany and other
European Countries

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