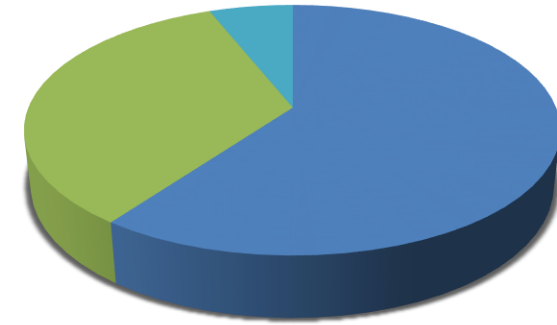# MEF Created $80B* Carrier Ethernet Market

The foundation for agile, assured and orchestrated services

CE²·⊕

CE²·⊕ MEF CERTIFIED

- SPs
- Vendors
- Others

210+ Member Companies
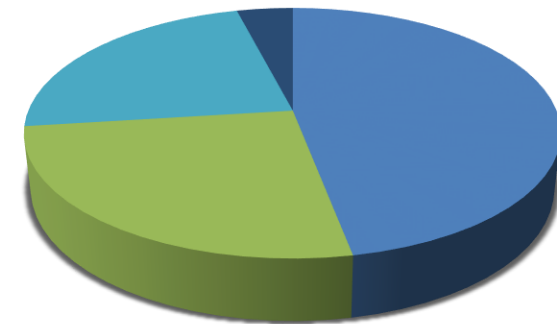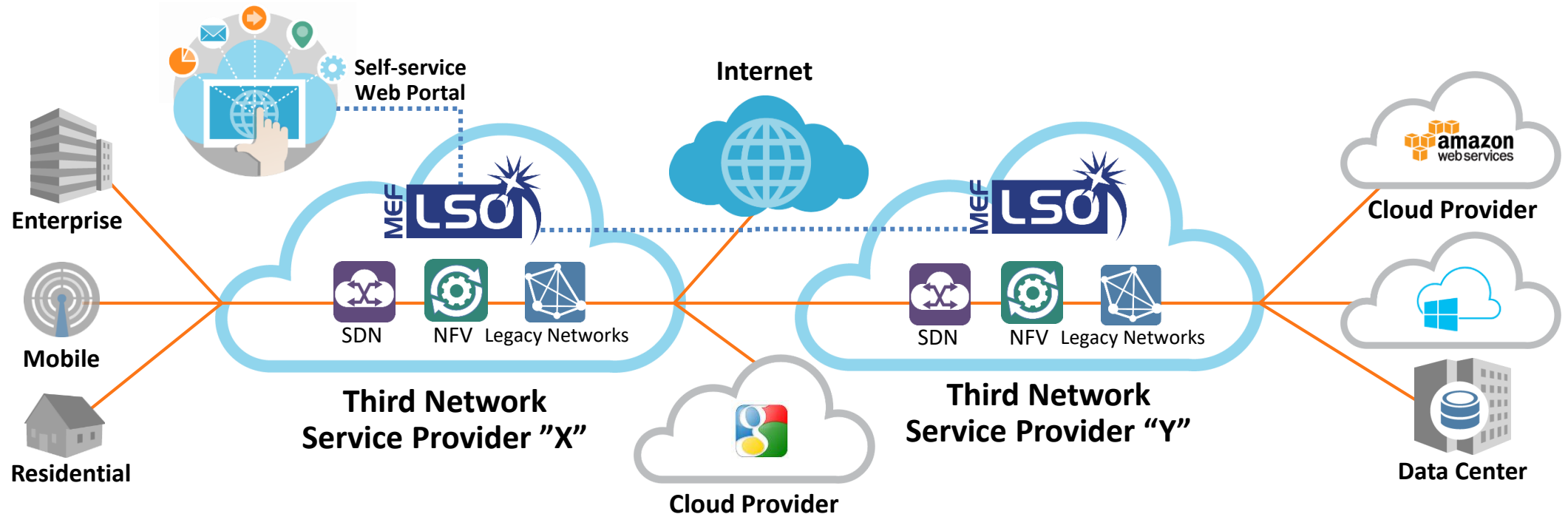

- NA
- EMEA
- APAC
- CALA

Global Contributions
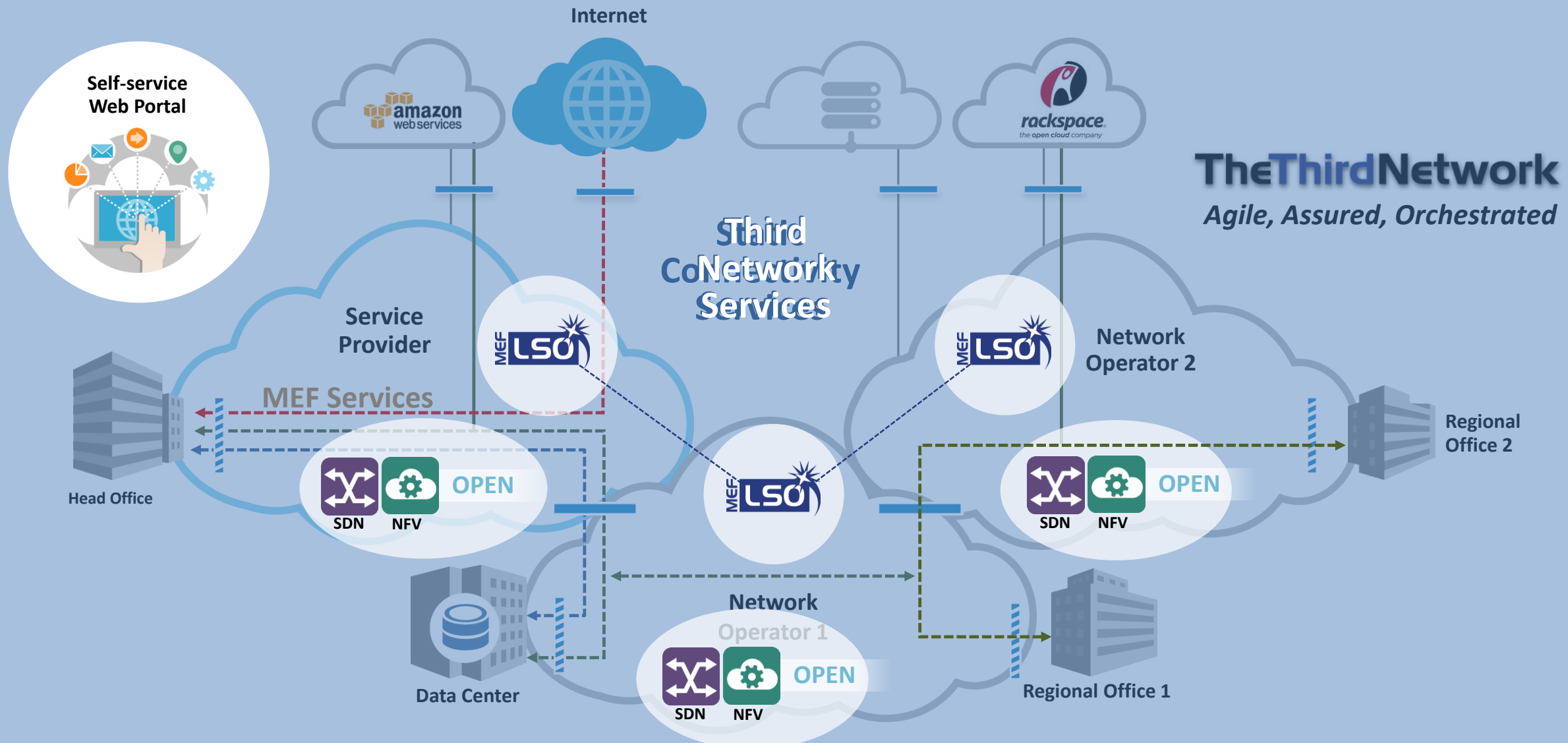
*IHS Markit

MEF

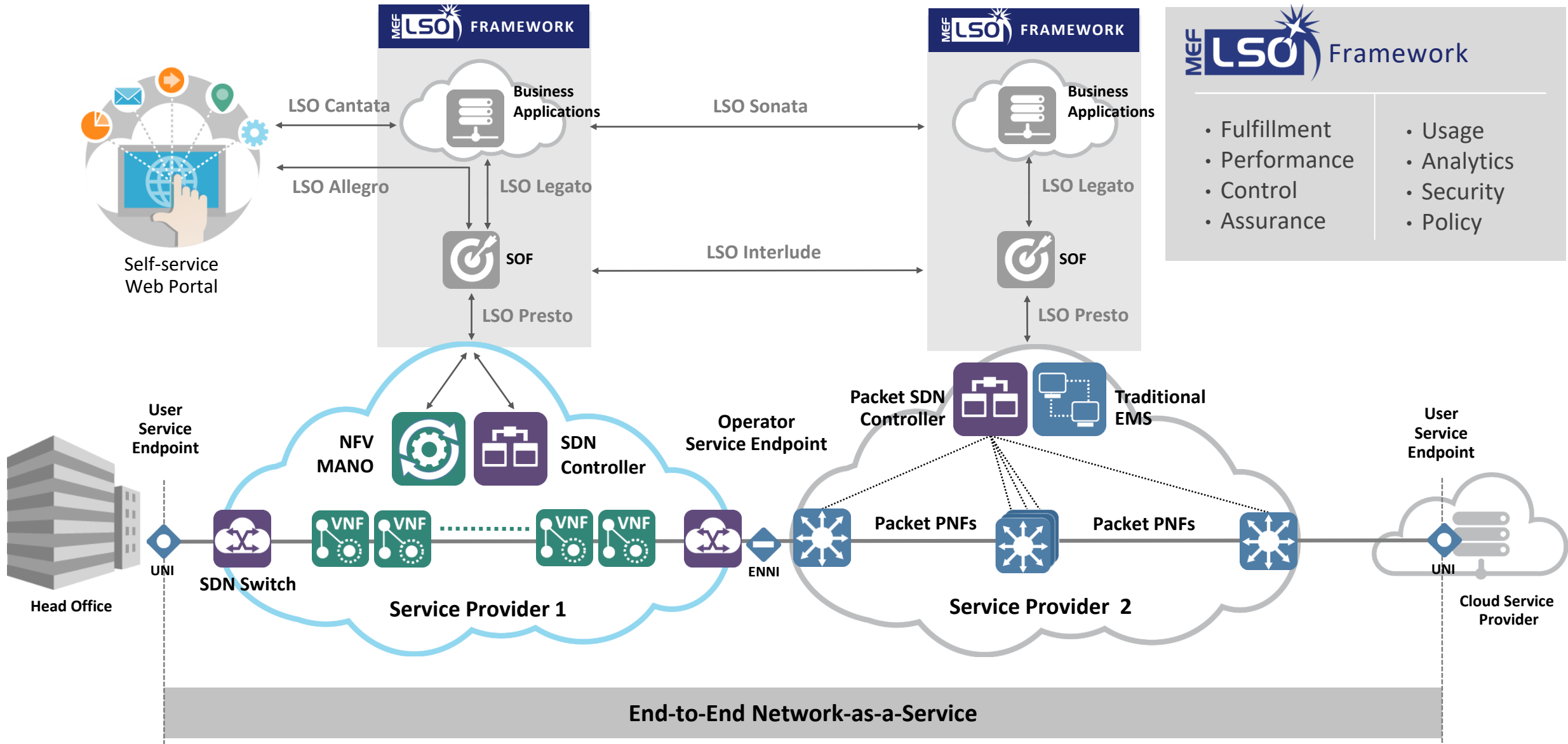# The**Third**Network Services Vision

- **Agility and ubiquity of Internet with performance and security of CE 2.0**
- **On-demand, dynamic services with user-directed control**
- **Delivered over automated, virtualized, and interconnected networks**

Evolution to The Third Network

LSO Reference Architecture and Capabilities

MEF LSO FRAMEWORK

Business Applications

LSO Cantata

LSO Allegro

Self-service Web Portal

LSO Legato

SOF

LSO Presto

LSO Sonata

LSO Interlude

MEF LSO FRAMEWORK

Business Applications

LSO Legato

SOF

LSO Presto

MEF LSO Framework

- Fulfillment
- Performance
- Control
- Assurance
- Usage
- Analytics
- Security
- Policy

User Service Endpoint

Head Office

UNI

SDN Switch

NFV MANO

SDN Controller

VNF VNF .... VNF VNF

Operator Service Endpoint

ENNI

Service Provider 1

Packet SDN Controller

Traditional EMS

Packet PNFs

Packet PNFs

Service Provider 2

User Service Endpoint

UNI

Cloud Service Provider

End-to-End Network-as-a-Service

EMS: Element Management System   PNF: Physical Network Function   SOF: Service Orchestration Function

Third Network Service Examples

Examples:
- **Establishing New Connections**
- **On-demand Bandwidth Increase**
- **App-Driven Network Changes**
- **L1 to L7 Services**
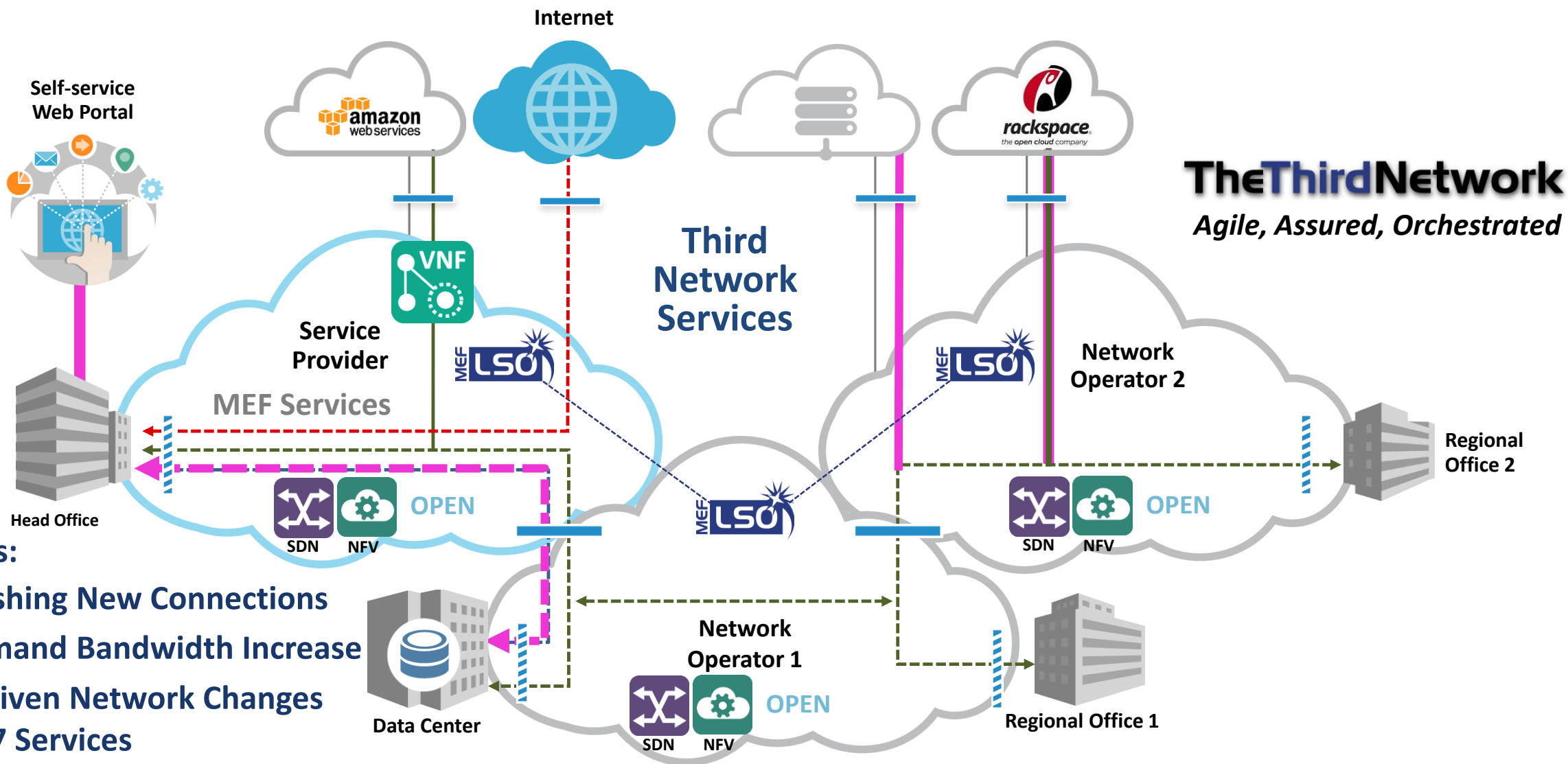
Achieving the Vision – Strategic Work Areas

Third Network Services

Optical, CE, IP, SECaaS & other point services

LSO & Open APIs

MEF 55 LSO Reference Architecture

Accelerating inter-provider Open-APIs

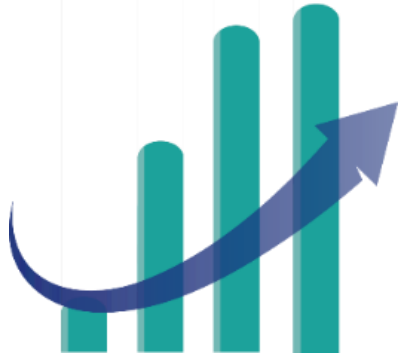**Reference Implementations**

New Certification Programs

MEF

MEF Certification Programs

CE 2.0 MEF CERTIFIED

The MEF Certification Program enables Service Providers and Vendors to certify that their services/products comply with relevant MEF specifications.

SERVICES

91% | 2 Year AAGR

85	237
PROVIDERS	SERVICES

TECHNOLOGY

58% | 2 Year AAGR

43	366
VENDORS	DEVICES

MEF CECP — CARRIER ETHERNET Certified Professional

MEF-CECP is a globally recognized, vendor neutral certification program, designed to ensure that organizations have a common baseline of technical Carrier Ethernet skills across many organizational functions

PROFESSIONALS

62% | 2 Year AAGR

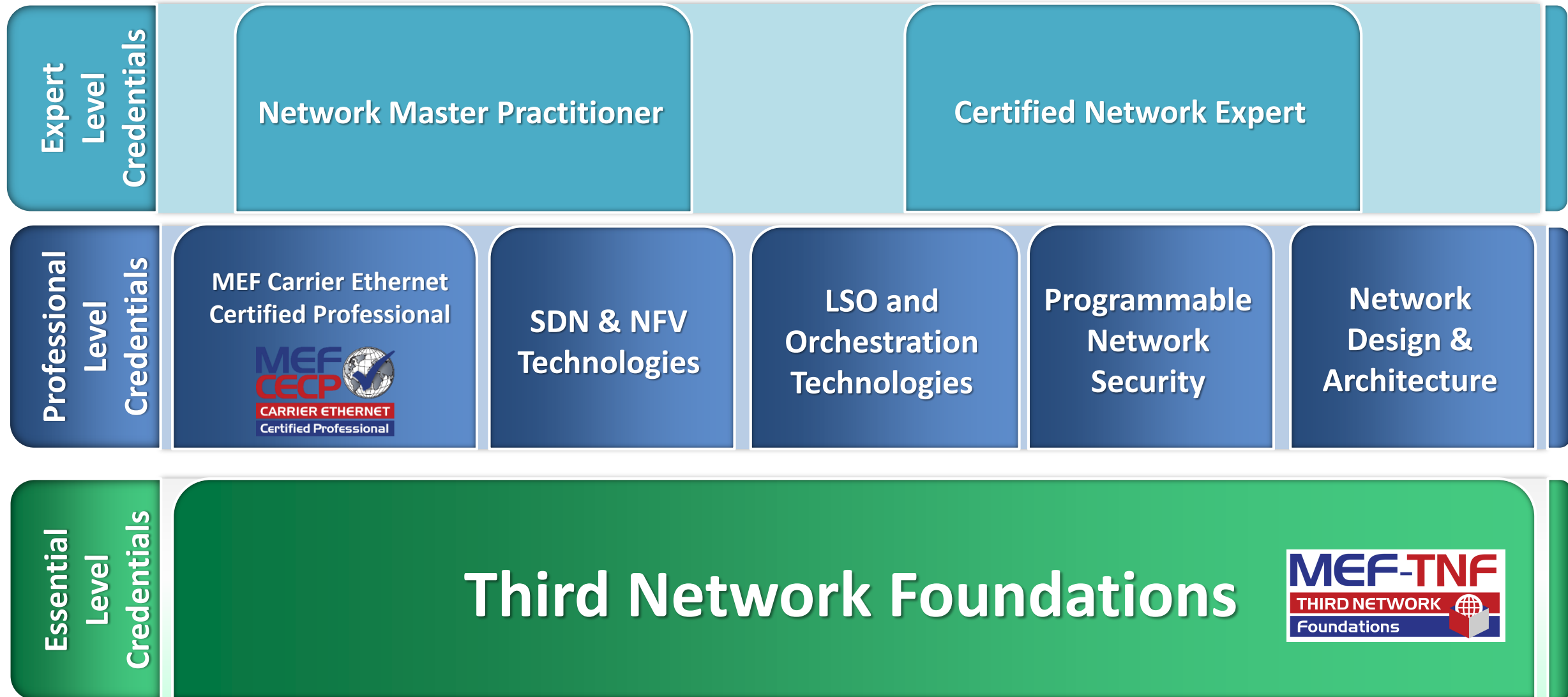| 4974	441	210+	83
PROFESSIONALS	COMPANIES	SPs	COUNTRIES

MEF

Announcing Today

New Third Network Professional Certification Framework

&

Third Network Foundations Certification Test

MEF-TNF validates at a concept level the key terms, processes, and elements of today's programmable networks.

Include SDN/NFV, Carrier Ethernet, LSO & Orchestration, and other technologies.

MEF-TNF

THIRD NETWORK

Foundations

MEF

New Third Network Professional Certification Framework

Expert Level Credentials	Network Master Practitioner		Certified Network Expert		
Professional Level Credentials	MEF Carrier Ethernet Certified Professional	SDN & NFV Technologies	LSO and Orchestration Technologies	Programmable Network Security	Network Design & Architecture
Essential Level Credentials	Third Network Foundations				

MEF CECP CARRIER ETHERNET Certified Professional

MEF-TNF THIRD NETWORK Foundations

MEF

MEF Nordics Seminar .... Join us!!

June 8 | Copenhagen

MEF16 Highlights

- 950 Attendees, 250 Organizations
- 65 Sponsoring Companies
- 120 CE, LSO, SDN, NFV & Cloud Speakers
- 14 Proof of Concept teams involving 29 companies
- LSO Hackathon

98% average approval rating as excellent, very good or good across many categories

In Summary

- The digital economy requires Third Network Services
- Leverage the $80B CE market as a platform for new innovation
- With new services, LSO, reference implementations & code, we are a new MEF

MEF