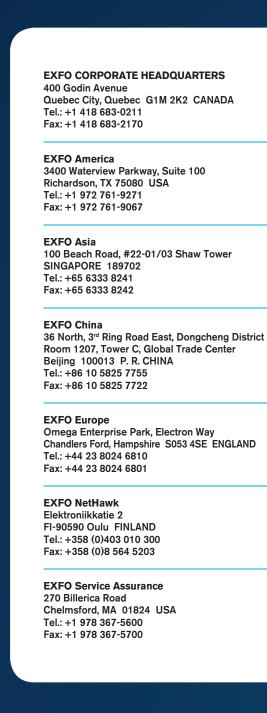
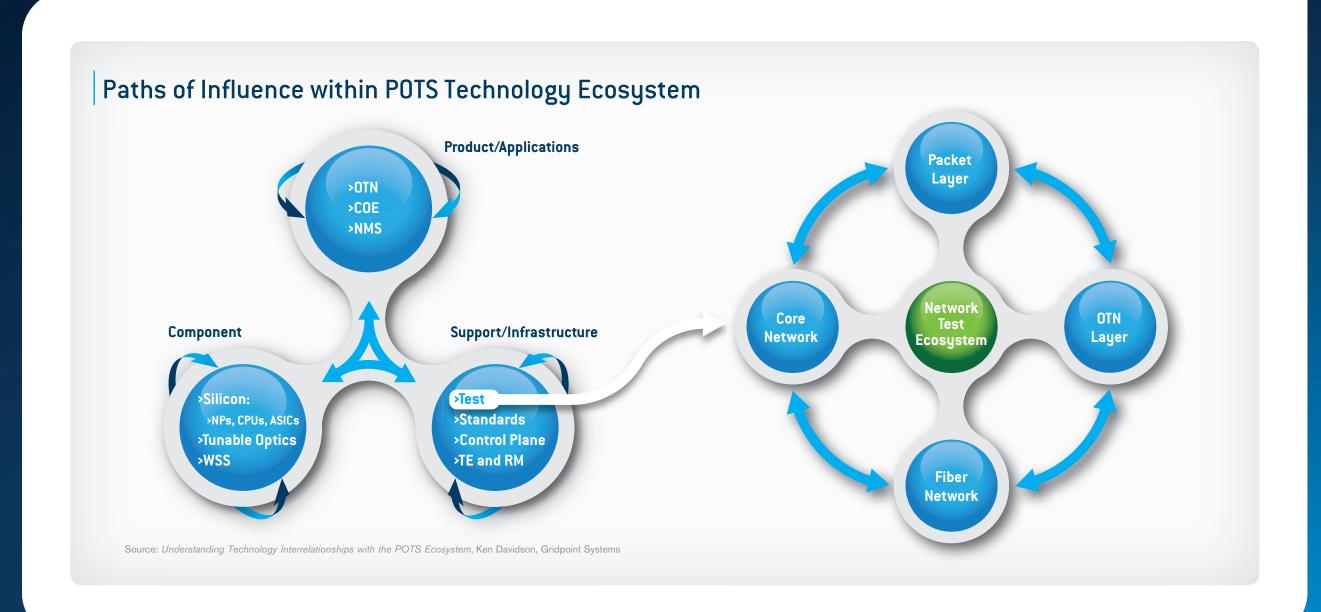
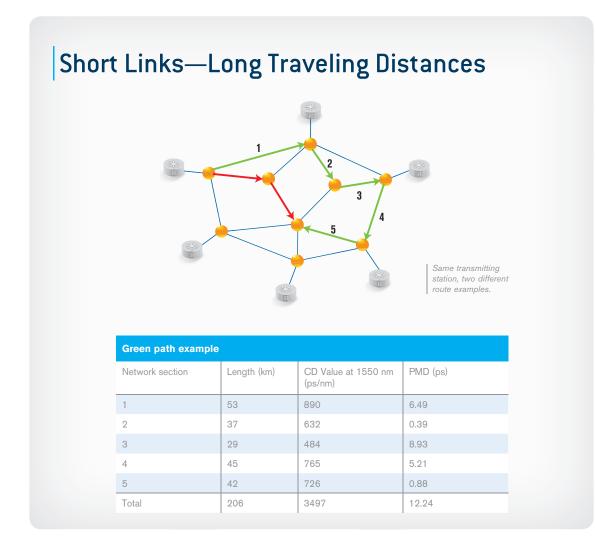
40G/100G PACKET OPTICAL TRANSPORT NETWORK TEST ECOSYSTEM **EXFO**



Core Networks



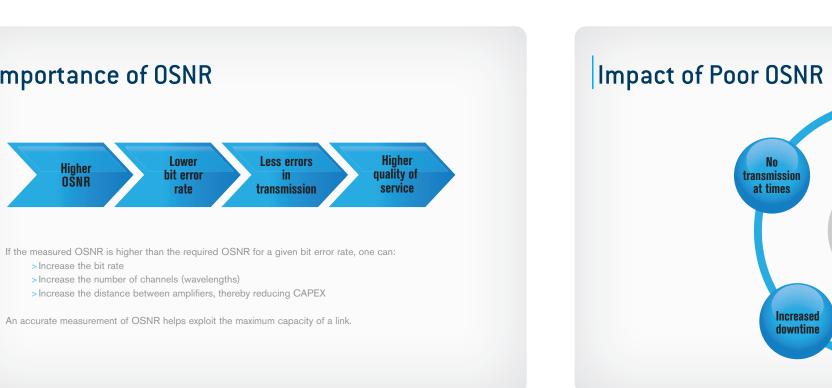
Fiber Networks

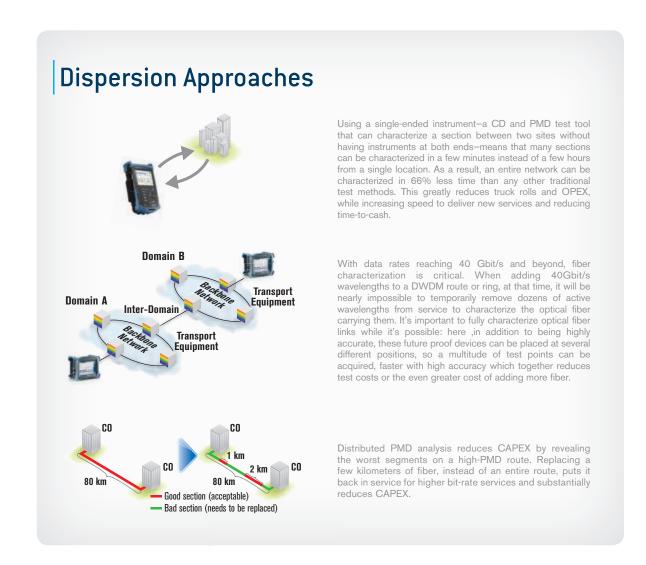


Importance of OSNR

> Increase the bit rate

> Increase the number of channels (wavelengths)





Poor OSNR can significantly

OTN Layer

Inspiration: Infonetics Research

Packet Layer

Optical Networking Evolution

Services

SDH

Fiber Plant

WDM creates

virtual fiber

2000

Services

SDH

Fiber Plant

SDH provides

provisionable

transport

1990s

Services

OTN

ROADM

Fiber Plant

ROADM provides

provisionable WDM

Ethernet presence grows

2007

Services

MPLS

OTN

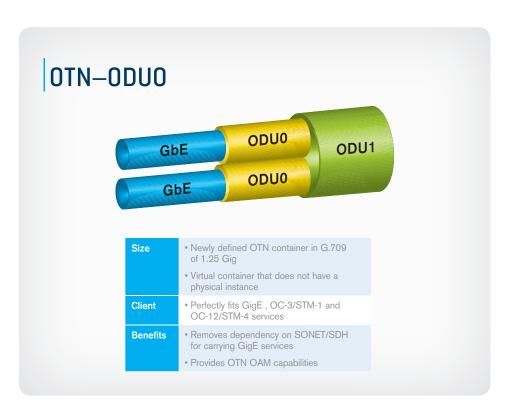
ROADM

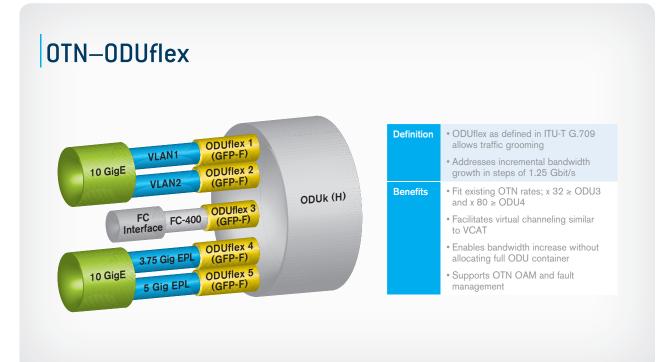
Fiber Plant

Ethernet/MPLS

overtakes SDH

POTS 1.0





Services

IPv4/IPv6

Ethernet MPLS

OTN

ROADM

Fiber Plant

Evolution and

integration

of all Layers

2012 +

POTS 2.0

