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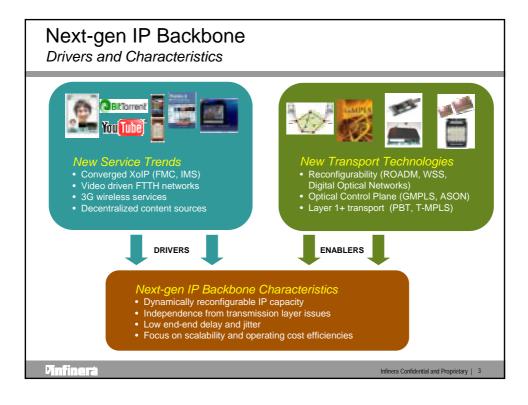
GMPLS based Digital Optical Networks for Next-gen IP Backbone

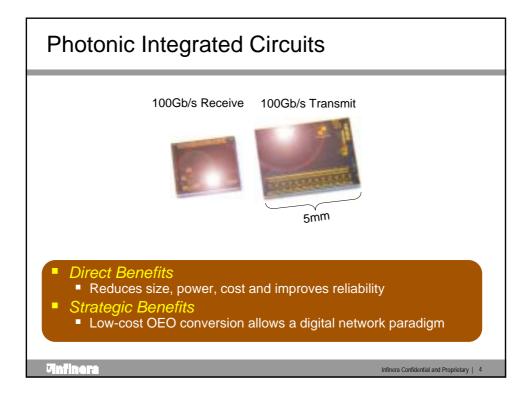
Dr. Vijay Vusirikala Director, Technical Marketing

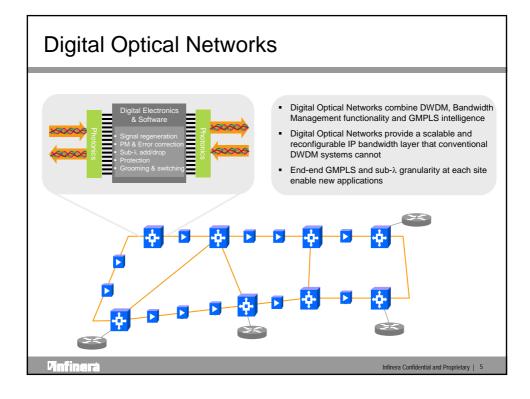


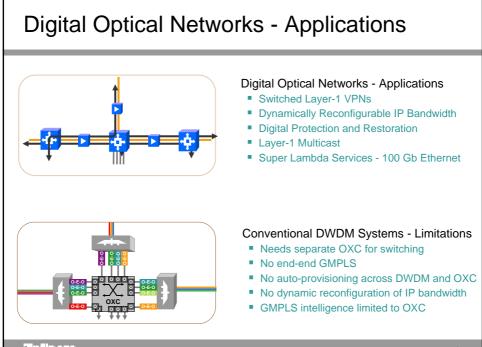
Outline

- Next-gen IP backbone Drivers and characteristics
- Photonic Integrated Circuits and Digital Optical Networks
- Role of GMPLS in Digital Optical Networks
- GMPLS enabled applications in Digital Optical Networks
- Summary



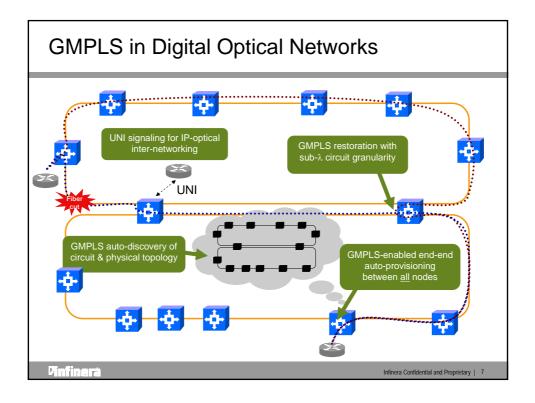


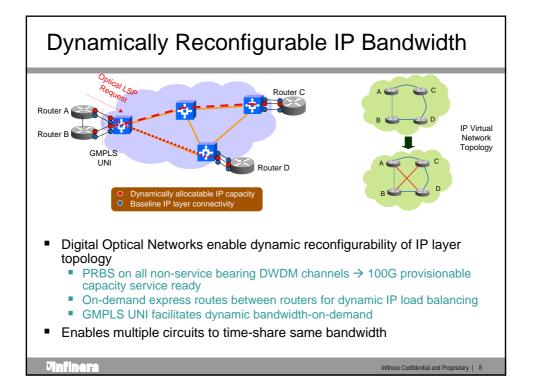


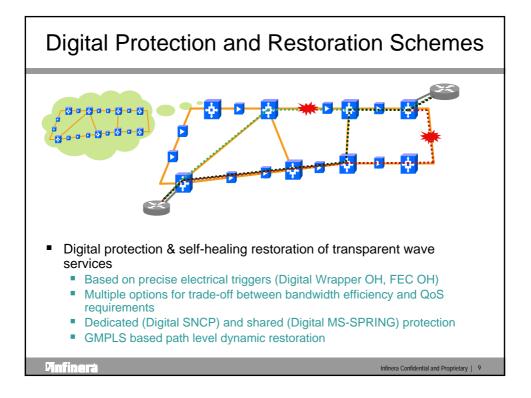


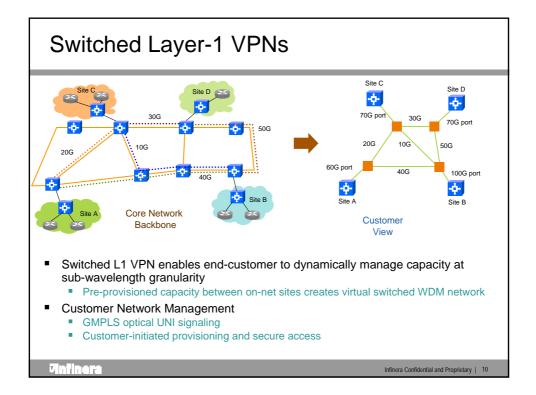
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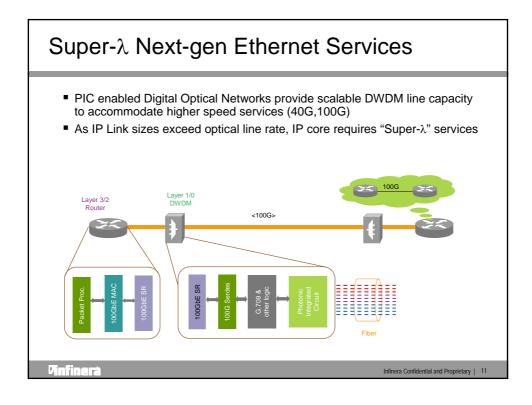
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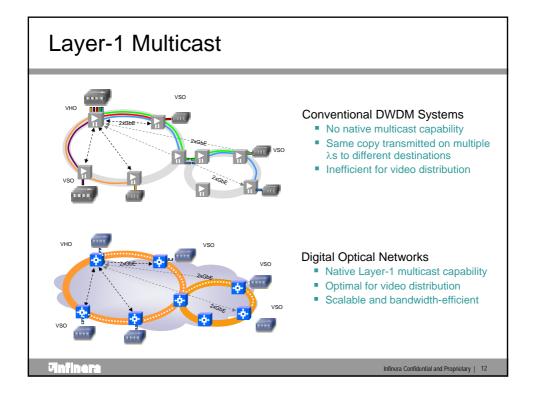


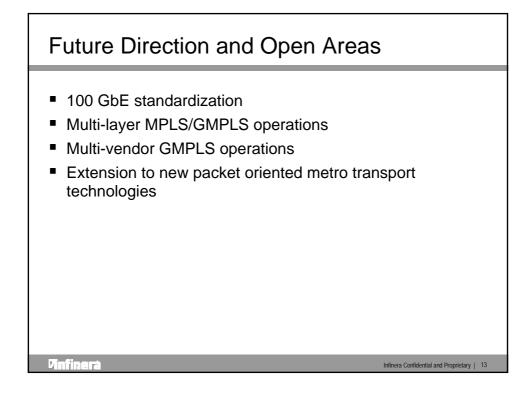












Conclusion

- Next-gen IP backbone needs a dynamically reconfigurable optical layer with sophisticated protection and bandwidth management capabilities
- Digital Optical Networks combine highly scalable DWDM networks with integrated Bandwidth Management and end-end GMPLS intelligence
- Digital Optical Networks enable applications that conventional DWDM systems cannot
 - L1 multicast, GMPLS restoration, Switched L1 VPNs and 100G Ethernet Super-λ services.