



Optical Infrastructure

Current Analysis provides Competitive Response solutions that enable companies to effectively anticipate and counter competitive threats, and win more business.

COMPANIES COVERED

- ADVA Optical Networking
- Alcatel-Lucent
- Ciena
- Cisco
- ECI Telecom
- Ekinops
- Ericsson
- Force10 Networks
- Fujitsu
- Huawei
- Infinera
- NEC
- Nokia Siemens Networks
- Nortel
- Sorrento Networks
- Tellabs
- Transmode
- ZTE

And more...

The Current Analysis **Optical Infrastructure** module covers the optical networking systems market, optical systems vendors and their products, and the carriers and service providers into which they sell. The emphasis of coverage is on the competitive environment, how vendors are currently positioned to take advantage of that environment to maximize revenue potential, and what they should do to better align themselves with market opportunity to beat the competition.

Coverage areas include:

Metro Access - Metro Access systems serve as SONET/SDH or WDM-based on-ramps to the MAN and WAN. Supporting point-to-point connectivity and typically OC-3/12/48 or STM-1/4/16 access rings or meshed topologies, these systems carry Ethernet, DS1/E1, DS3/E3, OC-x/STM-x, ATM, Ethernet, and storage networking services based on protocols such as ESCON, FICON, and Fibre Channel, and can provide access, aggregation, and in some cases a degree of grooming and switching capabilities.

Metro Edge - Metro edge systems integrate multi-service next-gen SONET/SDH Add/Drop Multiplexers with DWDM, digital cross connect, and Ethernet transport and switching and/or Resilient Packet Ring technologies to link the Metro Access and Metro Core networks by providing aggregation and transport capabilities. Metro Edge covers the MSPP platforms and the transport, switching, and packet ring technologies used and interfaces and feature/functionality supported by competing vendors.

Metro Core - Metro Core systems are optical transport systems incorporating remotely configurable optical add drop multiplexers to provide high capacity transport typically up to 32 wavelengths onto a fiber pair. Metro Core systems provide connectivity metro-wide for access WDM systems, and can carry high bandwidth video traffic, wavelength services, GbE services, storage applications based on ESCON, FICON, and Fibre Channel, or TDM across the MAN.

Optical Switching - Optical switches provide carriers with the means to manage, control, and switch wavelengths across the network. Deployed at the metro edge, metro core and core network, these systems switch wavelengths from one route to another, provide various levels of bandwidth management, grooming and intelligent optical cross-connect capacities, and lay the groundwork for flexible, intelligent networks in the future that can dynamically respond to fluctuating demand and network resource availability.

WAN DWDM - WAN Dense Wave Division Multiplexing systems are the Long Haul and Ultra Long Haul optical transmission systems used to increase the carrying capacity of fiber optics. Used in conjunction with SONET transport, routers, switches, or metro DWDM, these systems typically multiplex between 800 Gbps to 3.2 Tbps of OC-48/STM-16 or OC-192/STM-64 channels onto a fiber strand or pair to maximize utilization of fiber resources, and carry that traffic over distances of 600 to 4000 km without OEO regeneration to minimize cost.

Current Analysis provides Competitive Response solutions that enable companies to effectively anticipate and counter competitive threats, and win more business. This is achieved through the rapid delivery of tactical, actionable intelligence.

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AVAILABLE PRODUCT ASSESSMENTS

- Metro Access
- Metro Core/Regional
- Metro Edge
- Optical Switching
- Packet Optical Transport Systems
- WAN DWDM

Current Analysis
Optical Infrastructure Analyst



Jason Marcheck
Principal Analyst,
Optical
Infrastructure

This CurrentCOMPETE™ module includes:

- **Customizable email updates** delivered either daily or weekly to alert subscribers of the module to new analysis available in key areas of interest.
- **Actionable event reports** which provide rapid analysis of significant competitive events in the market including new product releases, M&A activity, trade show announcements and newly formed alliances.
- **Company Assessments** which provide in-depth analysis of individual companies and analysis of their competitive positioning in specific market segments.
- **Market Assessments** which provide analytical evaluations of specific market segments, including market size, projected short-term and medium-term market growth and stability, business and market drivers as well as company ratings.
- **Comparison feature** allowing module subscribers to create dynamic, side-by-side comparisons of companies' strengths and weaknesses.
- **Product Assessments** provide a timely and in-depth evaluation on how leading products and services in a market measure up to their competition.



How We Deliver

Current Analysis is the preeminent source for tactical competitive intelligence and analysis. Our CurrentCOMPETE™ platform provides real-time analysis of breaking industry events, as well as intelligence reports on the markets, companies and products that are shaping the telecom, networking, and business software industries. By providing timely and comprehensive intelligence, we enable organizations to successfully counter competitive threats, and offer effective solutions to emerging challenges.

Our business model and solutions are built on the foundation of solid, quality intelligence and data, making **Current Analysis** the leader for competitive intelligence demands. We serve more than 30,000 users at over 250 enterprise clients, representing preeminent firms in the telecommunications, information technology and consumer electronics industries.

Current Analysis retains over 40 worldwide industry experts. Their frontline perspective and industry experience ensures you receive the best market information and analysis available - delivered within 48 hours of major industry events.

Please visit us as at: <http://www.currentanalysis.com>

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