The Optical Network Equipment Worldwide Cluster provides insight into the market size and dynamics of next-generation and traditional optical networking equipment. It covers optical network infrastructure solutions used by communications service providers. Topical coverage includes switching, cross-connect, access (FTTx), Metro, WDM and transmission systems.

Cluster programs deliver industry-specific business planning statistics, forecasts and analysis. Clusters enhance the broad range of Gartner analysis available in Core Research by providing in-depth information of unique interest to companies competing (or investing) in the industry covered by the cluster.

Scope of Coverage
The Optical Network Equipment Worldwide Cluster provides market data, analysis and advice to technology vendors, service vendors, carriers and the investment community concerning optical infrastructure used in the public network. These markets are undergoing frequent and significant change. Networks are evolving from circuit-oriented architectures to multiservice, packet-oriented optical architectures. Triple play of voice, video and data and quadruple play (mobility added to the bundle) are becoming necessary. At the same time, service providers are trimming operational expenditures with investments in cost-efficient multiservice technology.

To bring clarity of understanding to the dynamics of these markets, Gartner Dataquest® provides:
- Quantitative analysis and market share performance of selected key technologies and vendors
- Forecasts for selected key optical technologies
- Qualitative assessment of trends shaping optical markets
- Vendor assessments (additional information to MQs and market scopes)
- Carrier buying patterns

Analysis provided will assist clients in building competitive assessments and strategies for product development, market entry, investment, partnering and communications.
Frequency of Revisions
Detailed market statistics are revised four times a year and published twice a year. Market shares are revised and published at least once a year, and as many as four times a year for very dynamic market segments.

Market Segmentation
Markets and technologies covered include:
- Optical transmission and DWDM/CWDM
- Optical switching and cross-connects
- Optical gigabit ethernet routers and switches
- Optical core, metro and access infrastructure equipment
- Component integration
- Discrete active components
- Discrete passive components

Vendors Typically Covered
Alcatel, Siemens, Lucent, Nortel, Huawei, Marconi, Tellabs, Cisco, ZTE, ECI, Fujitsu, NEC and Ciena plus mid-tier and startup companies

Applications
- Next-generation optical networks
- Gigabit ethernet infrastructure
- Switched optical networks
- Metropolitan area networks

Metrics
- Units, revenue and market share

Channels
- Direct and indirect

Geographic Coverage
The scope of the Optical Networking Equipment Cluster is worldwide. Worldwide statistics with regional breakdowns are provided. Qualitative assessments are generally based on worldwide trends with regional variations identified as appropriate. Regional breakdowns considered are:
- North America
- Europe, Middle East and Africa
- Asia/Pacific including Japan
- Latin America

Other Research Metrics
Related research can be found in the Public Infrastructure, Public Services and Enterprise Clusters.

Available Deliverables

Statistics: Forecast and Market Share
Detailed five-year market/product growth forecasts and detailed market share estimates with historical year-to-year market size comparisons identify the market leaders and the products/services that are driving the market.

Market Trends
Market Trends reports analyze key market events and product technology trends to present an overall analysis of the competitive landscape for the market.

Carrier Buying Pattern Studies
Carrier surveys and analysis help clients understand end-user purchasing behavior and requirements, attitudes and awareness regarding specific markets, products or services.

Gartner Dataquest Market Databook
The Databook provides spending and growth information across the IT/telecom industry, segmented by region and technology segment.

Market Focus Reports
Market Focus Reports provide in-depth analysis on hot topics at a level of detail relevant to specific vendors within the market sector.

Inquiry
Inquiry is available to members with Core Research Advisor memberships. The purchase of the cluster extends the deliverables upon which inquiry may be based.