China’s fiber optics market has been growing at an annual rate of over 30 percent over the last several years. By the end of 1997, China has installed over 820,000 km of fiber optic cables, over 150,000 of which are national and provincial trunks. More than 10.6 million km of cabled fiber was installed by the end of 1997. Over the next several years the demand for optical fiber is projected to be over 4 million km each year, of which most will be imported. This offers tremendous opportunities for foreign companies.

China is well on its way to build an 8-vertical and 8-horizontal national fiber optic network. In addition, China has deployed some of the most advanced fiber optic technologies in the world such as SDH/SONET, and WDM. With the formation of the new Ministry of Information Industry, China is poised to sustain its growth and will become one of the largest fiber optics market in the world.
Industry (MEI)
Ministry of Radio, Film and Television (MRFIT)
Ministry of Railways (MOR)
Ministry of Power (MOP)
Ministry of Foreign Trade and Economic Cooperation (MOFTEC)
State Radio Regulatory Commission (SRRC)
People’s Liberation Army (PLA)
People’s Bank of China
The Leading Group for Informatization under the State Council
China United Telecommunications Corp. (China Unicom)
Ji Tong and The Golden Projects
China Telecom Great Wall Mobile Communications Ltd.

**The Organizational Structure after the Reorganization**

- The New State Council
- 29 Commissions and Ministries
- The Key Ministries and Commissions Related to Telecom
- The Super Ministry - Ministry of Information Industry (MII)
- China Telecom - Can it Compete in the New Environment?
- China Unicom - Where is its Position after the Reorganization?
- Provincial PTAs - Are They Better Off or Worse Off
- Tomorrow’s CATV Industry in China
- The Integration of Former MPT and MEI
- Private Networks without the MOP
- The PLA and its Great Wall CDMA Networks

**TELECOMMUNICATIONS INFRASTRUCTURE**

**Brief History**


- Objectives for 1998
- The 9th Five-Year Plan (1996-2000)

**Network Overview**

- Public Switched Telephone Network (PSTN)
- Local Networks
- Rural Networks
- Data Networks
- Private (Non-MPT) Networks
- Railway Telecom Network
- Ministry of Power Communications Network
- China National Financial Communications Network
- Earthquake Monitoring and Forecasting Communication Network
- Space Industry Corporation’s Communication Network
- Meteorology Communications Network

**Transmission Systems**

- Open Wire
- Coaxial Cable
- Microwave Radio Telecommunications
- Digital Optical Fiber Links
- The National Fiber Optic Cable Network
- Asia-Europe Fiber Optic Cable Trunk Line
- Submarine Fiber Optic Cables
- China-Japan Cable
- China-Korea Cable
- China Southeast Asia Cable
- FLAG

**SEA-ME-WE 3**

- China-US Cable Network
- Satellite Communications
- Very Small Aperture Terminal (VSAT) Markets

**FIBER OPTICS PROJECT IMPLEMENTATION AND PROCUREMENT**

- Structure of the Fiber Optics Industry
- The National Level
- China Telecom and PTAC
- Provincial and Local Levels
- Decentralization
- Financing Problems
- End Users

**DEVELOPMENT OF CHINA’S FIBER OPTICS SECTOR**

**Research & Development**

- Research Institutions

**Domestic Manufacturing**

- Overview - The Production Centers
- Optic Fiber Production
- Optic Fiber Cable Production
- Opto-electronic Components Production
- Transceivers and Repeaters
- Connectors
- Test Equipment

**Joint Ventures**

- Competitive Analysis of Major Joint Ventures

**ANNUAL DEMAND AND MARKET FORECAST**

- The 9th Five-Year Plans
- National Trunk Line Cable Installations
- Provincial Cable Installations
- Metropolitan Cable Installations
- Campus and Enterprise Networks
- Private Network Cable Installations
- Cable TV Industry
- China Unicom
- Demand Forecast for Optic Fiber
- Demand Forecast for Cables
- Deployment of New SDH Systems
- WDM in the National Trunks

**MAJOR RECENT FIBER OPTICS PROJECTS AND CONTRACTS**

**CHINA FIBER OPTICS INDUSTRY CONTACT LIST.**

- Former MPT and Its Departments
- Directorate General of Telecommunications/China Telecom
- Research Institutes
- Former MEI Research Institutes and Companies
- Local Manufacturers
- Joint Ventures
HOT STUDIES

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