

Turn-Key 100G Fiber Optic Infrastructure



By Light Is a True “Cradle to Grave” Optical Infrastructure Provider

By Light specializes in engineering, implementation, activation, integration, and project management services for complex, high bandwidth networks using the Ciena 6500 and Cisco NCS-2K platforms.

We take pride in our ability and exceptional track record of providing a variety of in-house services, delivering complex network solutions that meet and often exceed customer expectations.

“The By Light Optical Team has proven their value time and time again. With ever changing and new requirements/priorities, their ability to accommodate those changes is exceptional.”

– Johnathan “Chris” Bunting
Chief, DISN Core Branch (IE14)



Defense Information Systems Agency

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TURN-KEY 100G FIBER OPTIC INFRASTRUCTURE

SPECIFIC TASK HIGHLIGHTS

By Light provides full in-house services including:

- Project management
- Physical site surveys
- Engineering design packages (EDP):
 - Telecommunication services installation plan (TSIP)
 - Engineering implementation Design (EID) packages
 - Cable, fiber, power, etc., running lists (CRL)
 - Installation bill of materials (IBOM) procurement
- Outside plant installation
 - Physical cabling and infrastructure support
 - Manhole and conduit auditing and documentation
 - Detailed butterfly drawings
 - Design assessment and evaluation of current infrastructure
 - Provide comprehensive, diversified solutions that exceed current and future requirements
- Complete fiber characterization services:
 - Customizable application-based deliverables
 - Detailed span and connectivity reporting
 - In-house, campus, and long-haul testing
- Implementation services:
 - Gray work (rack and cabinet installation, overhead, underfloor infrastructure, etc.)
 - Equipment hardware installation
 - DC power systems
 - Equipment turn-up, provisioning and commissioning, testing, etc.
 - Network integration services (both new and active)
- Detailed, redlined close out packages (deliverables)

