CYIENT | Nothing Less

# CyPlanIQ
# transforming fiber optic network design





The need for high-speed and reliable connectivity has propelled the demand for fiber optic networks. The pervasive proliferation of data and devices has brought challenges associated with the design, documentation, and management of fiber optic networks.

## Introducing CyPlanIQ

**Empower your network design engineers and planners with CyPlanIQ.**

Developed by Cyient, CyPlanIQ helps streamline the design, documentation, and management of fiber optic networks. Whether you are working on High-Level Design (HLD), Low-Level Design (LLD), Permit, or TCP (Traffic Control Plan), CyPlanIQ delivers support in creating network layouts, calculating fiber optic cable lengths, managing splice points and connections, and generating documentation for construction and maintenance.

## Simplifying network planning. Bringing data to users faster.

**CyPlanIQ hosts a wide range of features that include**

**User-configurable rules**

Exercise control over designs with extensive rules tailored to various network designs.

**Optimized placement**

Receive suggestions for optimal placement of splitters, distribution points, splicing, and more.

**Dynamic sync with google maps**

Quickly reference design locations with dynamic synchronization.

**Multiple porting options**

Export designs seamlessly in CAD, SHP, PDF, and other formats.



## Bridging the gaps between conventional and modern network design planning

**CyPlanIQ addresses key challenges in the domain to empower network design engineers and planners**

### Grouping and clustering

Semi-automated grouping of home passes while adhering to business rules.

### Infrastructure planning

Plan fiber networks considering existing infrastructure and making efficient use of it.

### Versatility in inputs

CyPlanIQ accommodates various inputs (land base, utility service provider networks, and existing networks) for comprehensive planning.

# Why CyPlanIQ

## Core benefits the application delivers at your fingertips

### Efficiency gains

Achieve a 50% reduction in plan and design turnaround cycles.

### Precise cost predictions

Detailed bill of materials for designs with accurate cost predictions.

### Cost efficiency

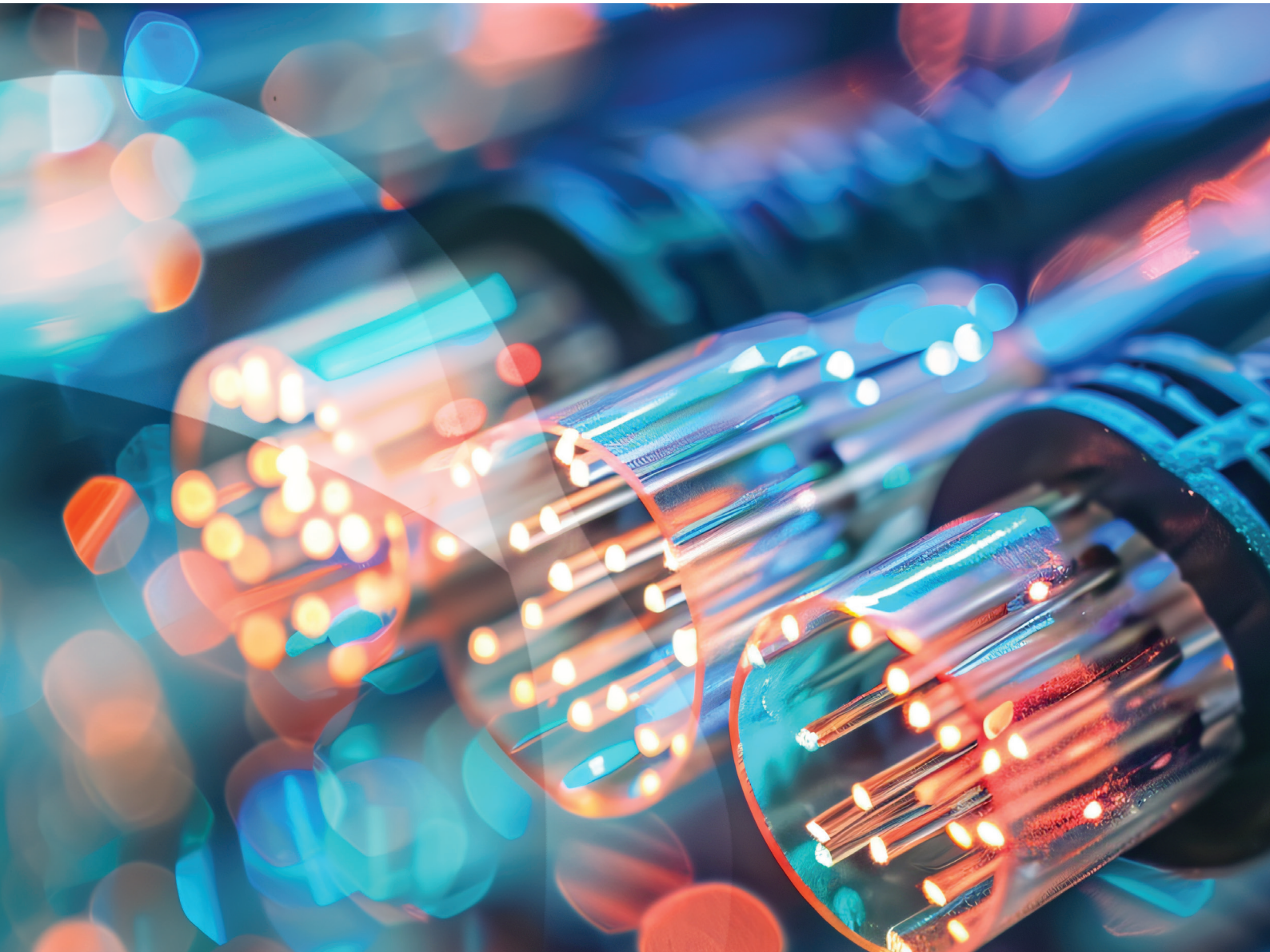
Experience a significant reduction in license costs compared to Commercial Off-The-Shelf (COTS) products.

### Customizability

Highly customizable solution adaptable to any FTTX network technology.

### Decision validation

Support the verification and validation of design decisions.



## Use cases in action

**Customer success stories demonstrating the capabilities of CyPlanIQ**




### UK-based ISP expansion support

Cyient assisted a UK-based ISP in expanding its fiber gigabit network across cities. Cyient implemented a five-step plan and design solution, utilizing CyPlanIQ, to effectively address the crucial need for efficient planning and design. We achieved ambitious milestones for 11 cities and 450,000 home passes within a tight 24-month time frame.




### Enabling US South West based telecommunications company growth in 36 months

Cyient partnered with a US telecommunications company to deploy a fiber optic network in rural areas as part of its growth strategy and participation in the Rural Digital Opportunity Fund (RDOF) program. The company plans to deploy a fiber optic network using Fiber-to-the-Home (FTTH) technology to provide broadband and voice services to unserved homes and small businesses.

Utilizing CyPlanIQ, we successfully achieved 8205 miles of network coverage and 410,052 home passes in 36 months in rural areas.

Case study #3



## Supporting a North American South Central telecommunications company

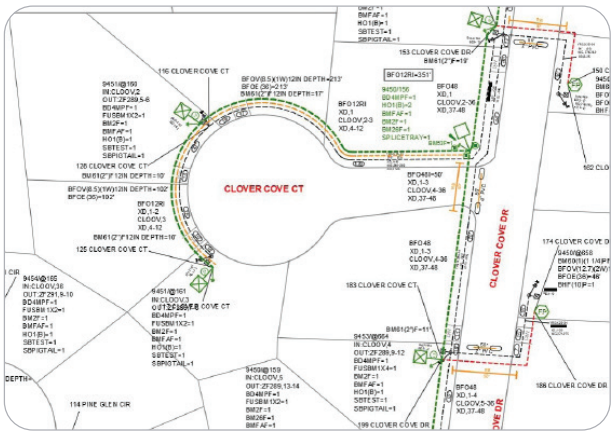
A prominent North American telecommunications company outsourced design work to Cyient due to time and resource constraints. Cyient was chosen for its global success and past engagements with communication service providers in North America.

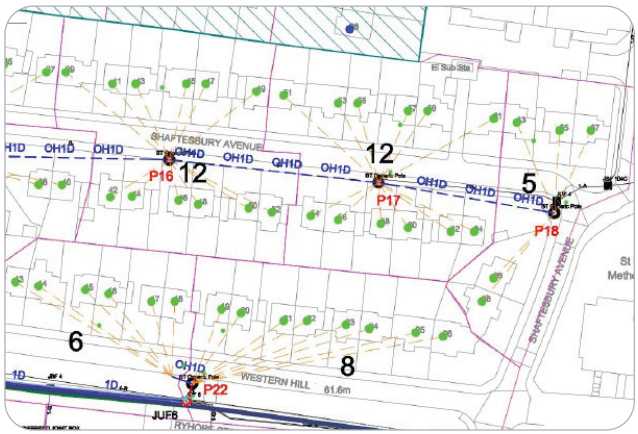
Cyient implemented a five-step plan and design solution, utilizing CyPlanIQ, to address the crucial need for efficient planning and design effectively. This strategic approach enabled us to meet ambitious milestones of achieving 1100+ miles of wire center area in the given stringent turnaround time.

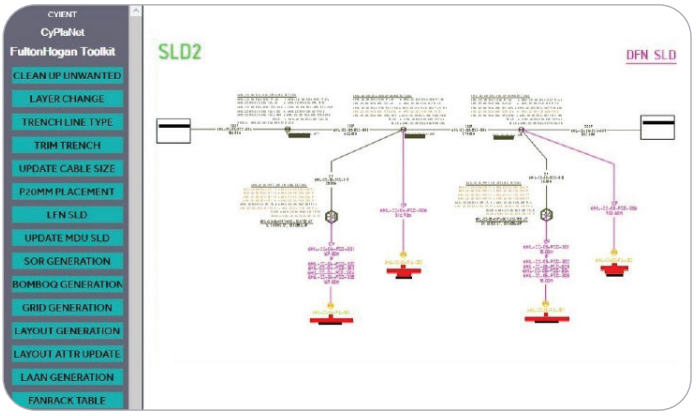
**Interested to learn more about these use cases? Connect with our teams.**

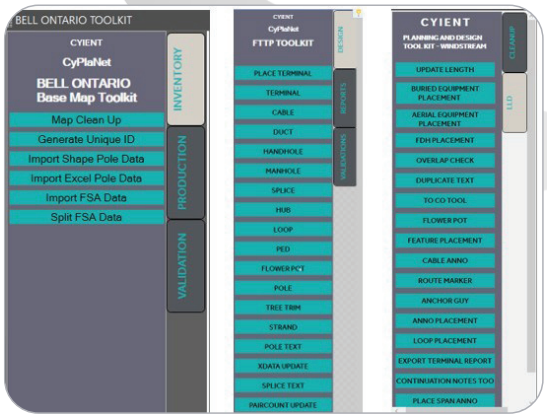
## Transform your fiber optic network design with CyPlanIQ

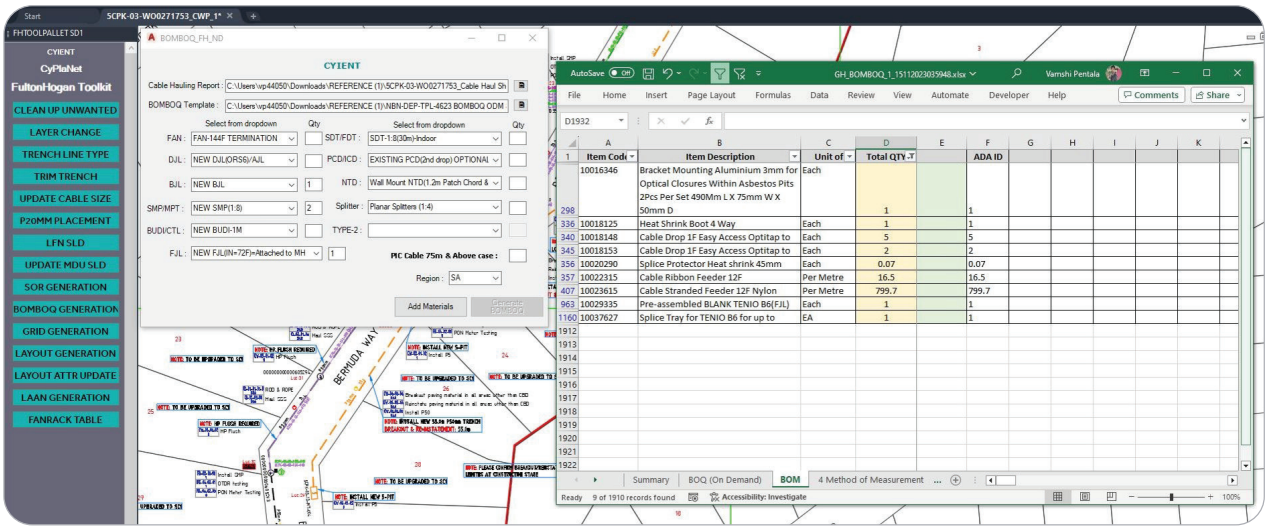
A new means to efficient planning and design.






BOM BOQ Report with complete environment

## Ready to Accelerate Fiber Network Deployment?

Discover how CyPlanIQ helps network planners and engineers streamline design workflows, improve planning accuracy, and speed project delivery from concept to construction. Connect with our experts to learn more.

Cyient is a global lifecycle engineering services company powering mission-critical industries from design to aftermarket across products, plants, and networks. With 300+ customers and 15,000+ associates across 30+ countries, we combine human expertise, deep domain knowledge, and AI to deliver intelligent engineering for every lifecycle across Aerospace and Rail, Automotive and Mobility, Connectivity, Energy, Healthcare, Mining, Utilities, and beyond.

To learn how we deliver exemplary outcomes, nothing less, visit www.cyient.com.

**North America Headquarters**
USA
T: +1 860 528 5430

**Europe, Middle East, and Africa Headquarters**
UK
T: +44 118 3043720

**Asia Pacific Headquarters**
Australia
T: +61 2 8887 8600

**Global Headquarters**
Hyderabad
T: +91 40 6764 1000

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