

# Amdocs Fiber Deployment solution

## Accelerating fiber deployments

### Highlights

#### Amdocs Fiber Deployment services

- Acceleration and cost-reduction of fiber deployments, capacity expansions, and service fulfillment
- Detailed fiber design
  - Flexibility to use customer-preferred or Amdocs fiber design software
  - Field visit automation
  - Outside plant workflow integration
  - Regulatory approvals
- Strategic FTTx planning and cost-reduction, including maximal infrastructure reuse
- Use of guided tasks, best practices, and process automation for higher design throughput and consistency
- Experienced fiber design teams located in multiple time zones
- E2E project management and KPI's
- GIS data cleansing and migration

#### Fiber Software Delivery and Deployment

- For service providers that want to enhance their in-house capabilities
- Advanced project orchestration and management software
- Strategic FTTx planning and cost-optimization software
- Advanced GIS and detailed FTTx design software



### The challenge

Service providers today need to rapidly and cost effectively deploy fiber throughout the network to meet the capacity demands of 5G, residential and enterprise broadband, and NFV.

However, fiber deployments are complex, requiring skilled personnel, advanced tools, and automation where possible. Many service providers do not have the skilled resources nor advanced software tools in-house, and even prefer not to build an in-house fiber deployment execution capability because of the specialized training required and the inherent variability of fiber project durations and volumes. Alternatively, the service provider may have internal fiber design and project execution capabilities, but is unable to scale them fast enough to meet the demands of the business.

Consequently, service providers often turn to outsourced fiber design and project management. However, not all outsourced service providers have the technology DNA, software, or advanced process methodologies to properly execute and scale large fiber and service deployments.

The business impact of an underperforming fiber deployment operation can be project delays, cost overruns, and technical flaws that require expensive rework.

## Amdocs field-proven fiber deployment solutions

Amdocs is able to accelerate and cost-reduce fiber deployments with advanced platforms and tools, proven deployment processes, and highly skilled personnel with experience supporting the world's largest service providers.



## Amdocs fiber deployment services

Amdocs fiber deployment services include detailed fiber design and regulatory approvals, high-level planning and cost optimization, as well as project monitoring and management.

## Detailed network design and regulatory approvals

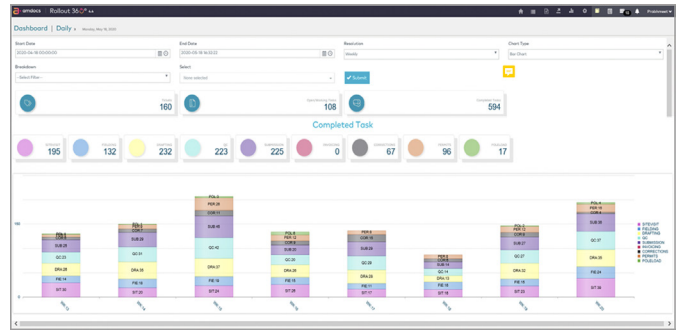
Amdocs detailed network design includes scoping and bidding, field surveys, design drafting, assessment of current assets available for reuse, engineering, and design quality checks.

Amdocs fiber design teams can use your preferred design software or leverage Amdocs software tools.



## Advanced project management and best practices

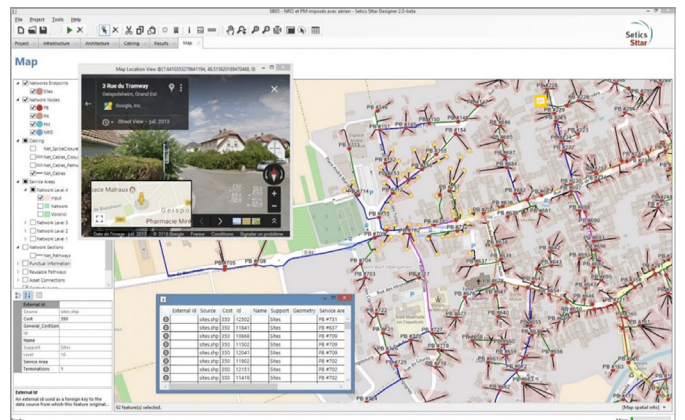
To achieve a high degree of project scalability and ensure on-time project delivery, Amdocs uses advanced project management technology. This includes not only classic project management software, but also the use of advanced, visual guided tasks with embedded best-practices and process automation.



Amdocs Network Workflow Management view

## Strategic FTTx planning and cost-optimization

For greenfield and expansion FTTx projects, Amdocs leverages advanced FTTx design automation and optimization software. The software automatically calculates the optimal FTTx infrastructure and layout, including optimal reuse of existing infrastructure. It enforces design standardization, eliminating designer variations and simplifying field construction while slashing deployment costs.



Setics Sttar FTTx design optimization and automation software

## GIS and detailed fiber design

Geographic information systems (GIS) play a critical role in fiber deployment. The precise locations of as-built and previously planned infrastructure are absolutely critical input for fiber planning, detailed design, and construction.

Amdocs is able to provide GIS evaluation and data cleansing services, as well as GIS data migration and upgrade services.

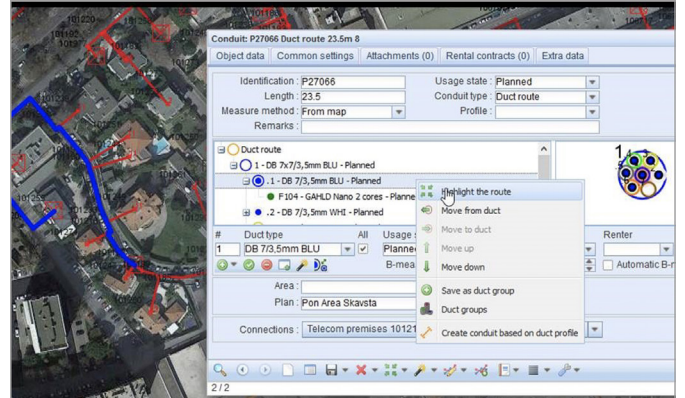


## GIS and logical inventory integration

Amdocs is a market leader in inventory management, with a comprehensive solution that covers both the physical underlay, and logical and virtual network and service overlays. Amdocs has delivered GIS and inventory integrations at multiple service providers worldwide, and is able to leverage that experience to ensure that a new or existing GIS is tightly integrated with the rest of the OSS stack.

## Software deployment

Amdocs can license and deploy software to service providers that want to create or enhance their in-house fiber deployment design capabilities and platforms. Amdocs software delivery capabilities include project planning and task orchestration software, FTTx optimization and detailed design software, GIS, physical, logical, and service inventories



Keypro's Keycom GIS showing spare conduit capacity

## Accelerating fiber service fulfillment

Once a fiber network is deployed, the next challenge is monetizing it. Amdocs is also a world-leader in B2C and B2B service fulfillment and activation and has helped tier 1 and tier 2 service providers around the globe accelerate and cost-reduce FTTx service deployment and activation, logical, and service inventories.



## Contact us

For more information about how Amdocs can help accelerate and cost-reduce your fiber and service deployments, please contact [networkmarketing@amdocs.com](mailto:networkmarketing@amdocs.com)