

**faster fiber series**The 'how-to' guide for  
accelerating fiber rollouts**#1: Introduction - the big picture**

**As the endless thirst for data drives a continuous push for greater network capacity, fiber retains its role as the principle enabling transmission technology in use today, underpinning all core, fixed-line, and mobile backhaul infrastructure. Consequently, service providers are investing billions of dollars per year in new fiber networks and network expansions. OPEX is a large proportion of that spend and is often far higher than it could be, due to deployment inefficiencies. Service providers have an opportunity to achieve strategic operational efficiency improvements with advanced fiber project orchestration, task automation, and outside plant optimization.**

**Fiber rollout pitfalls**

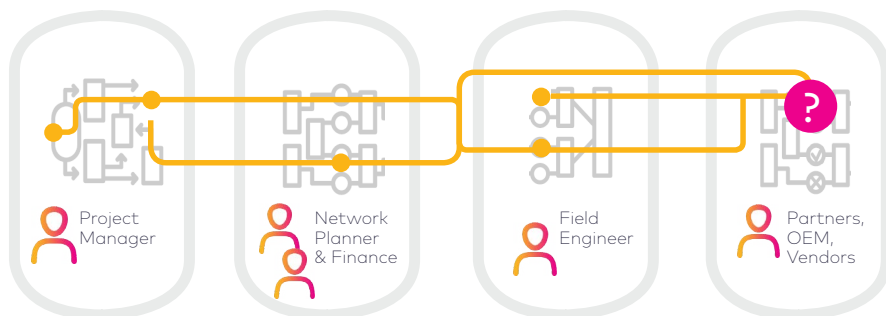
Service providers face numerous hurdles when rolling out new fiber or upgrade projects. Such projects often involve long-running and complex processes, requiring end-to-end process management and information exchange across multiple systems, organizational groups and external partners. Yet, for many service providers, these systems and stakeholders still operate in separate

*"Unnecessary project delays and missed milestones are major fiber rollout pain points."*

*EMEA tier-1 service provider*



"silos", which suffer from poor communication and little or no automation. The result is a lack of scalability and centralization, hampering access to common information by project stakeholders, and severely impeding progress.



## Business impact

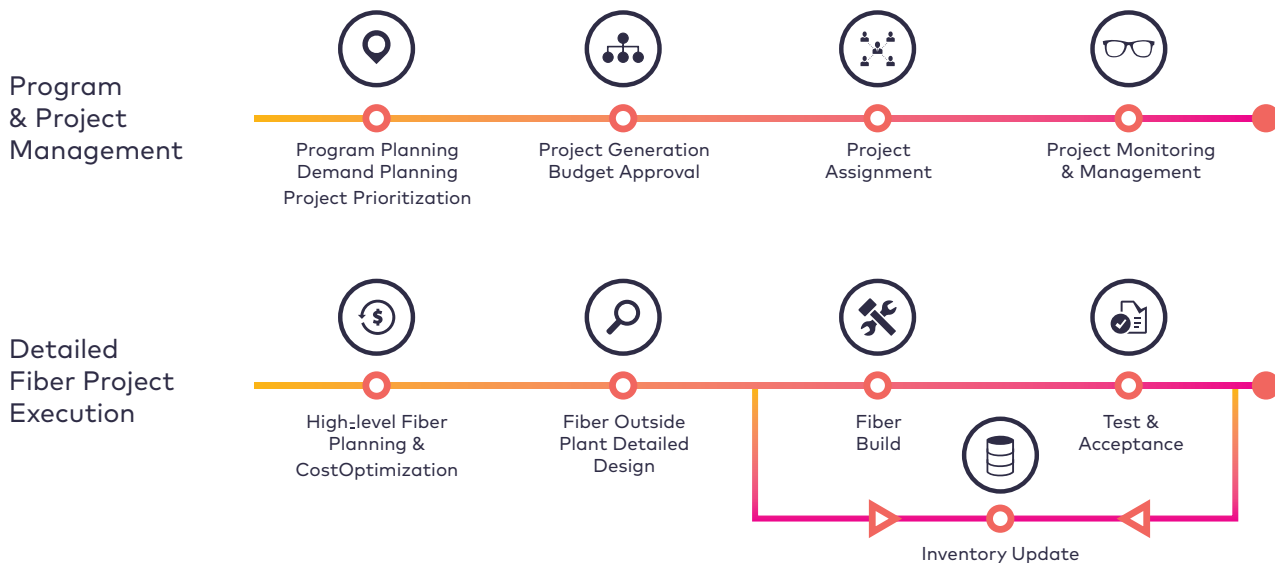
The impact on the business can be significant. It can include impaired quality, project delays, higher project costs and increased site visits. Furthermore, with the lack of information and traceability comes lost accountability, meaning project tasks can become stuck unnecessarily as ownership is disputed. And with high-volume projects, targets are easily missed due to lack of process scalability.

## Accelerating fiber rollout

In this series, we will take a look at each of the stages in planning, deploying and upgrading high-speed fiber networks. We will discuss the typical challenges service providers face at each stage, new approaches and technical solutions on offer, and how they solve problems and add value.

The next technical briefs in the Faster Fiber series are:

2. Project orchestration
3. High-level fiber planning and cost optimization
4. Fiber outside plant detailed design and construction
5. Inventory and GIS
6. Moving from planning to fulfillment



Fiber Rollout Management and Execution

## Summary

As the pressure builds for service providers to upgrade and deploy more and more fiber connections at the lowest cost per home passed, manual project management methods are no longer enough. And to

stay on time and within budget, what used to be done by a team now needs to be done by only a few – and at a much faster rate. Look out for the next issues of this series to find out how.