

THE KEYS TO A SUCCESSFUL FIBER DEPLOYMENT

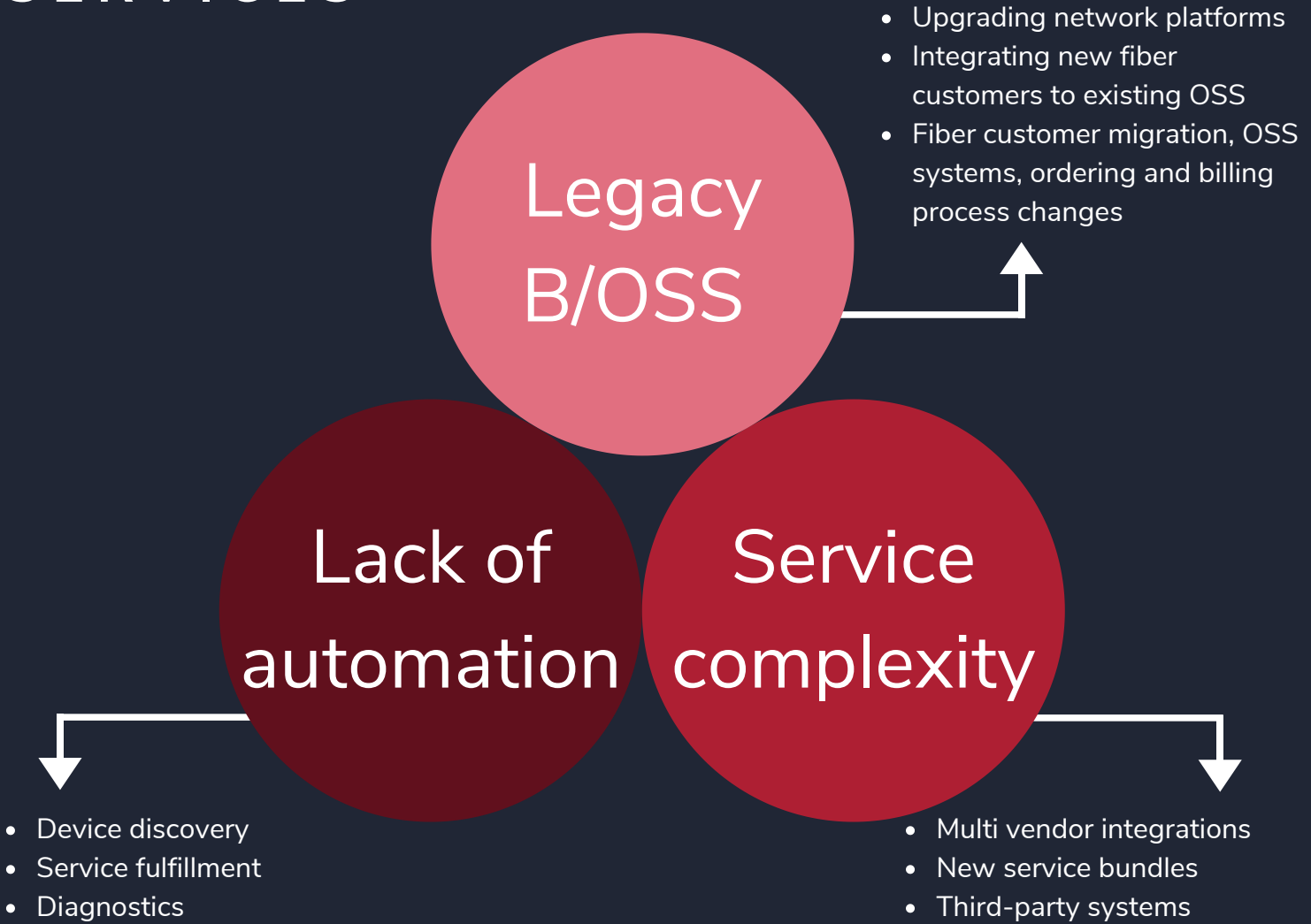
An in-depth look into how to scale fiber services

INTRODUCTION

Fiber networks now support everything from 5G backhaul, to smart cities, to next-gen gigabit services. According to the Fiber to the Home (FTTH) Council's [New Fiber Market Panorama 2020 report](#), in the European Union the number of homes passed by fiber (FTTH/B) is nearly 172 million homes. This trend is likely to continue across global markets as subscriber broadband usage shows no signs of slowing down. The growth is driven by the gigabit internet, IP video streaming, and digital gaming services delivered on the backbone of the fiber network. Communication service providers (CSPs) are trying various deployment models to join this fiber revolution.

[According to a previous Light Reading report](#) conducted in partnership with Incognito, CSPs are either replacing or overbuilding legacy networks in “brownfield situations”, or deploying fiber networks in “greenfield” situations by capping their legacy networks for existing services and using fiber to deliver the new services. Irrespective of the fiber deployment approach, operators who figure out how to scale and monetize their fiber services first will clearly have a foothold in the market and will be able to realize the return on investment (ROI) of deploying fiber sooner.

CHALLENGES IMPACTING THE ABILITY TO SCALE FIBER SERVICES



WHAT'S NEEDED – CRITICAL CAPABILITIES



Plug-n-play stack to reduce operational costs

Automated order management, service activation, provisioning, firmware management, diagnostics



Configure vs. code productized approach

Mitigate costly integrations and customizations that don't scale



Model-driven IP service orchestration & CPE management

Ease of integration with legacy OSS and integrate fiber workflows into current services



Flexible support for xPON architectures, multi-vendor xPON equipment

Support for multiple vendor EMS, standard/non-standard CPE, programmable CE/PE



Look for support beyond gigabit internet service

Third-party cloud orchestration adapters; MQTT, Zigbee, other protocol support for IoT services; extensive proven interoperability with third-party platforms



An experienced fiber vendor

Credentials in service fulfillment for fiber