

Are your fiber design processes ready for 5G?

5G will result in significant expansion of fiber networks to meet the latency requirements for front and backhaul of 5G. The need to quickly & accurately design fiber networks will become increasingly important as 5G deployments gather pace.



1.4B 5G connections by 2025¹



By 2025 **40%** of cell sites will be **fiber fed**²



\$244B CapEx spend on mobile networks by 2020 ²



Time consuming

Manual estimation can many take weeks to complete

Inconsistent designs

Variations in designs leads to complexities and delays in network construction

Missed opportunities

Considering FTTx and 5G xhaul independently results in higher deployment costs

GE's Smallworld solutions allow you to rapidly **create fully optimised, least cost, designs** considering multiple input factors to minimise costs of network construction





Design in minutes not weeks

Design automation enables designs covering 1000's of locations to be created in minutes comparing different deployment architectures and roll-out scenarios, de-risking business case and tender requests



Reduce deployment costs by ~5%

Least cost designs minimize the cost of network construction by optimizing route choice, minimizing trenching and equipment while maximizing coverage



Save up to 10% for converged networks

Converged operators can realize significant savings by designing 5G x-haul network in conjunction with FTTx networks rather than considering them independently

Learn more about how you can work with GE to achieve your goals

Footnotes

https://www.gsma.com/r/mobileeconomy/
http://telecoms.com/opinion/fiber-optic-is-important-for-5g-but-operators-will-need-a-range-of-options

Contact Us ge.com/digital/sales-contact-me

© 2019, General Electric Company. GE Proprietary Information - This document contains General Electric Company (GE) proprietary information. It is the property of GE and shall not be used, disclosed to others or reproduced without the express written consent of GE, including, but without limitation, in the creation, manufacture, development, or derivation of any repairs, modifications, spare parts, or configuration changes or to obtain government or regulatory approval to do so, if consent is given for reproduction in whole or in part, this notice and the notice set forth on each page of this document shall appear in any such reproduction in whole or in part. The information contained in this document may also be controlled by the US export control laws. Unauthorized export or re-export is prohibited. This presentation and the information herein are provided for information purposes only and are subject to change without notice. NO REPRESENTATION OR WARRANTY IS MADE OR IMPLIED AS TO ITS COMPLETENESS, ACCURACY, OR FITNESS FOR ANY PARTICULAR PURPOSE. All relative statements are with respect to GE technology unless otherwise noted.