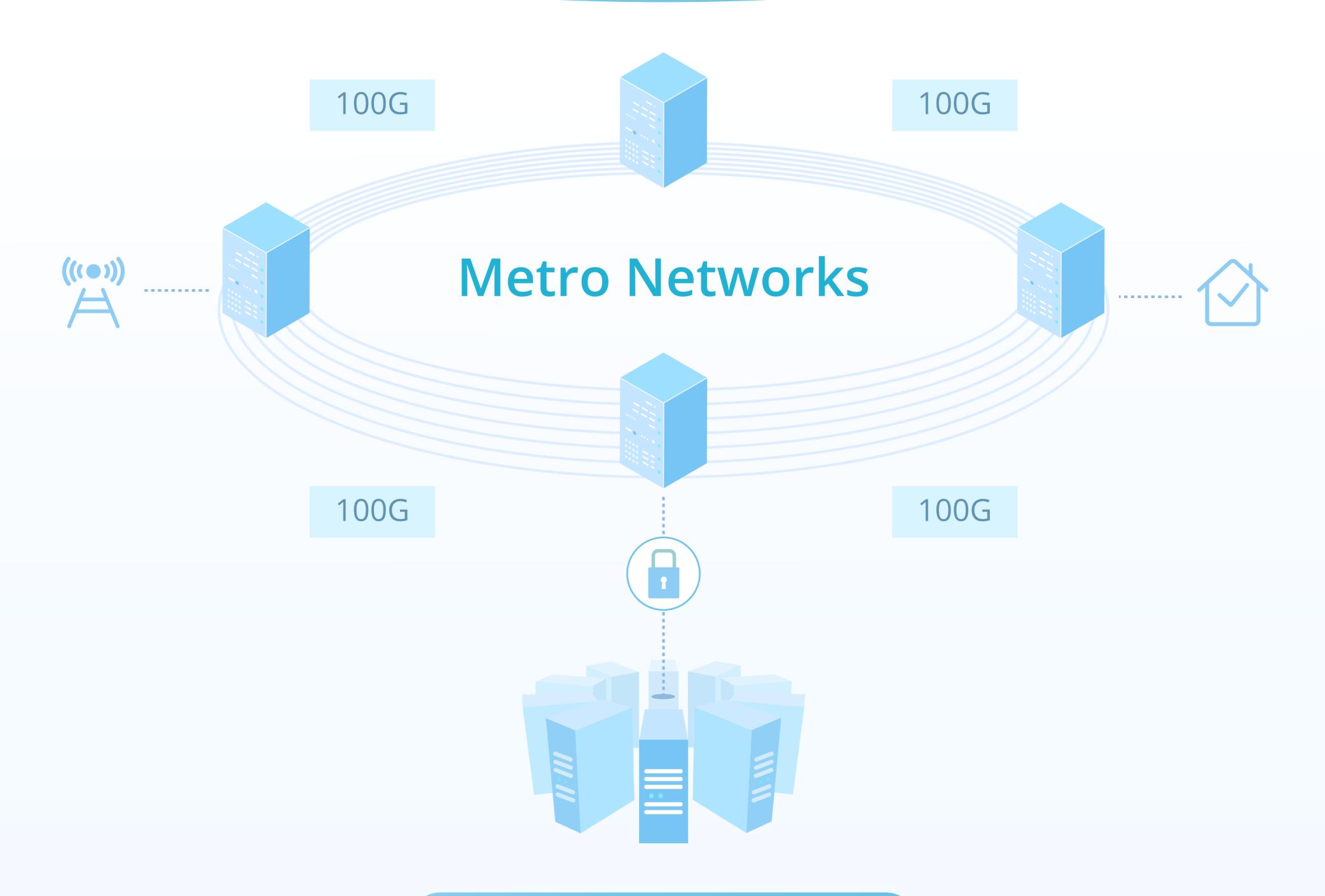
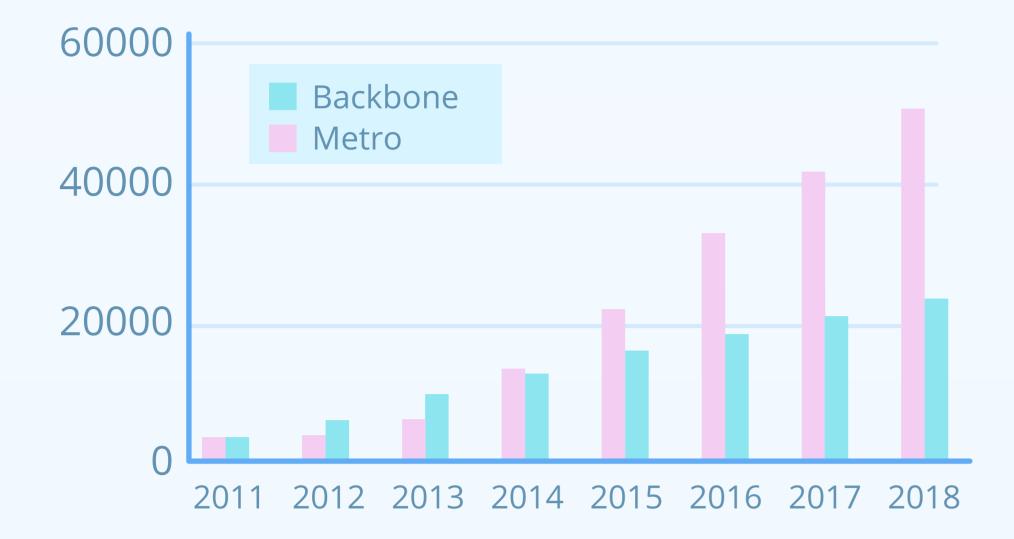


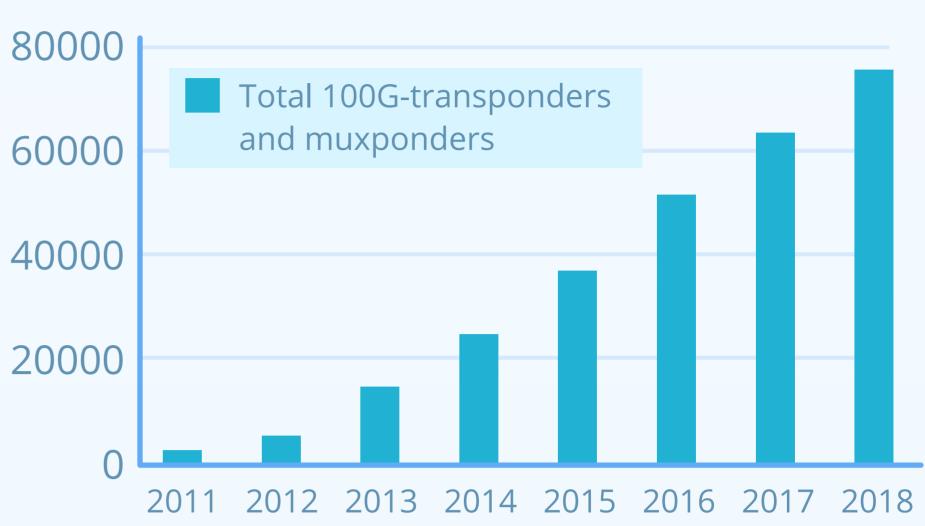
DEPLOYING 100G IN METRO NETWORKS

Metro networks require a cost-effective way to expand capacity while reducing the cost per bit transported. 100G is the answer.



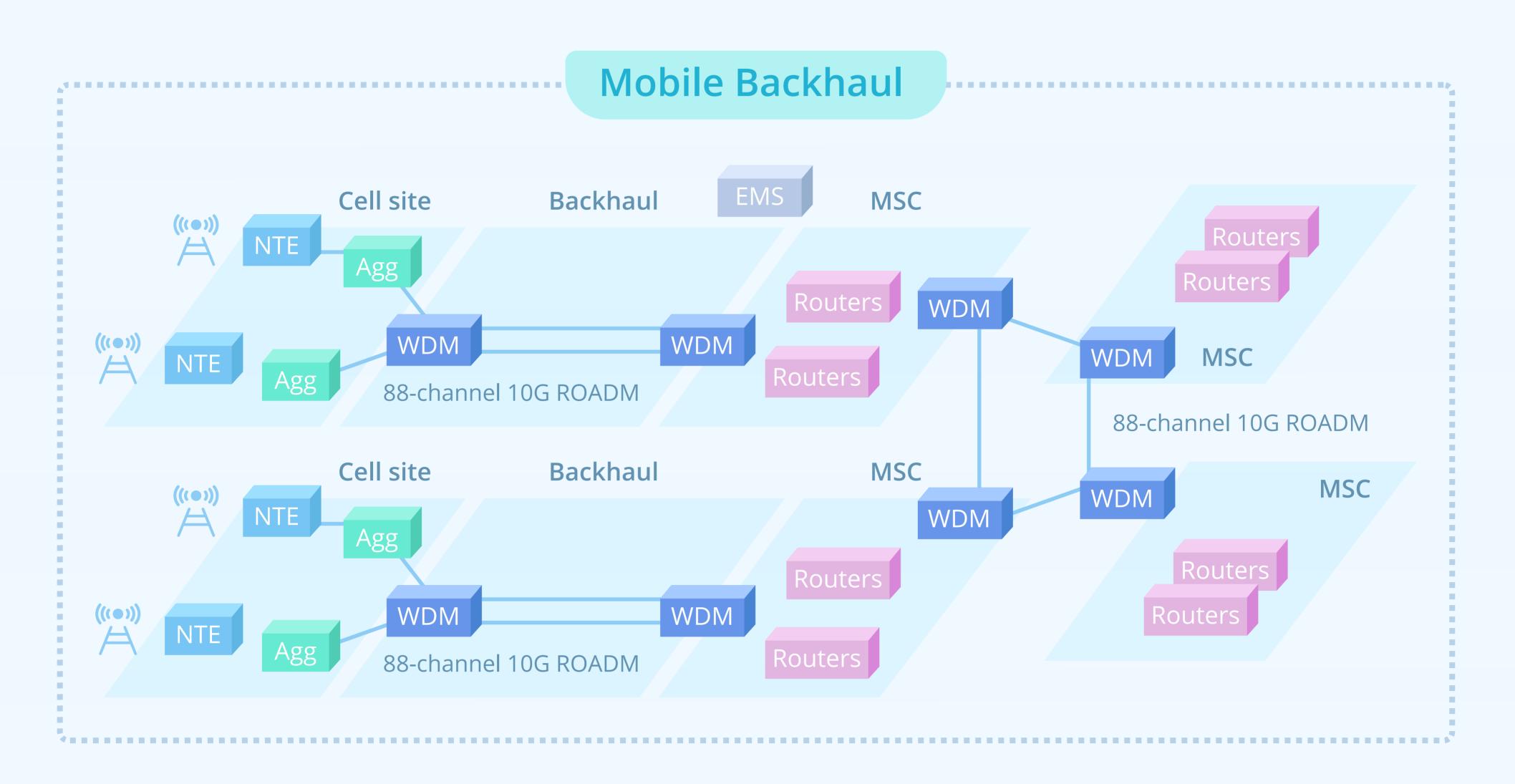
Growth in 100G Deployments



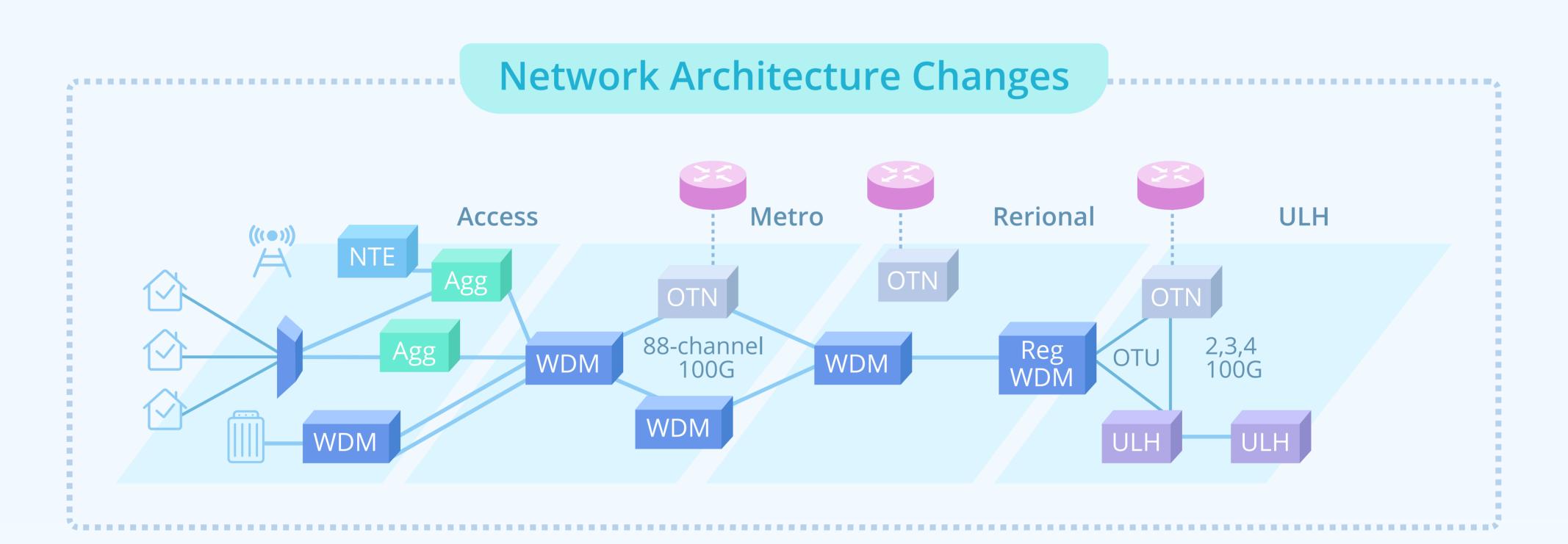


Surveys on network segments show that backbone deployment has taken the lead for 100G technologies. But 100G has seen a growing adoption in metro networks.

100G Metro Equipment Drivers

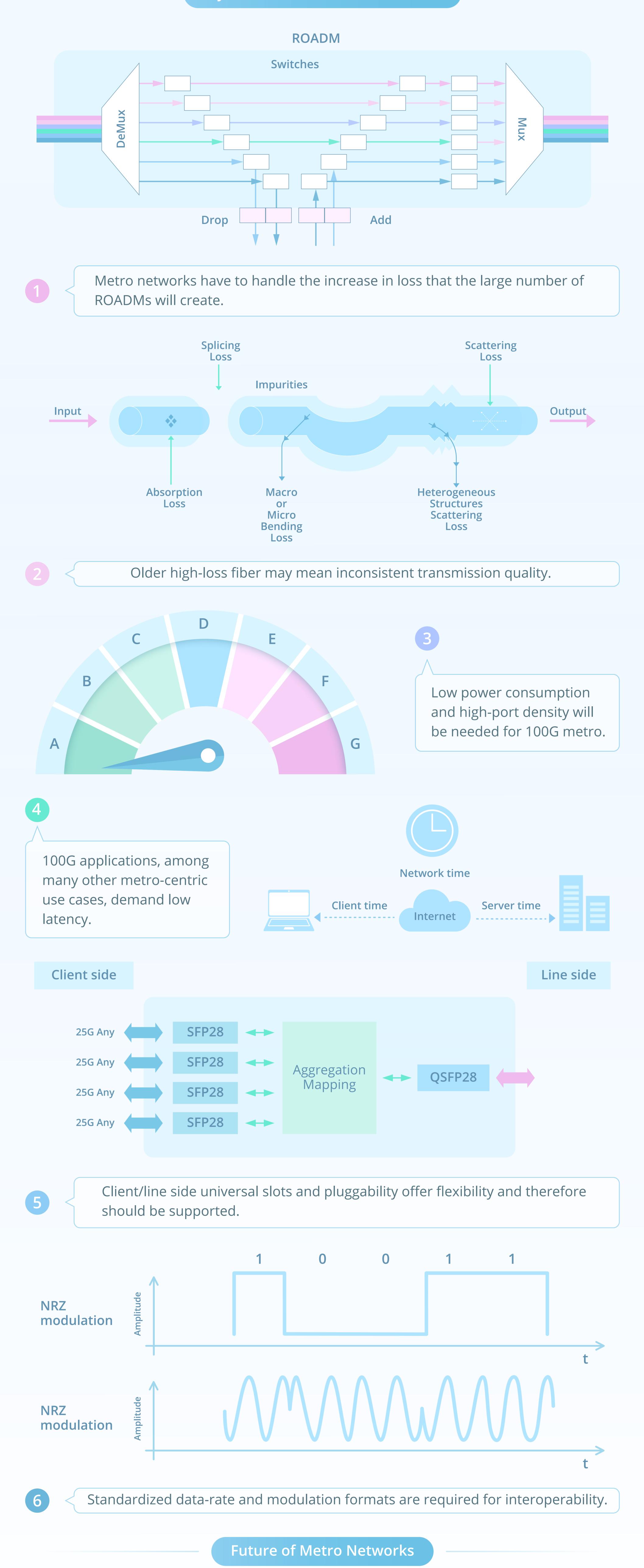


The growth of mobile devices and the introduction of LTE cell sites have influenced mobile backhaul requirements. Backhaul rates are migrating from 10G to 100G.



Network architecture keeps changing. Carrier Ethernet, IP virtual private network (VPN), and Optical Transport Network (OTN) capabilities have created new momentum to migrate from smaller separate networks to new unified optical backbones.

Key Considerations for 100G Metro



As the emergence of new applicaitons is continually driving bandwidth demand, metro networks are moving towards 400G. Equipment manufacturers also strive to reduce cost, increase density, and drive metro rollout. But the scale deployment of 400G in metro networks still takes some time.

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