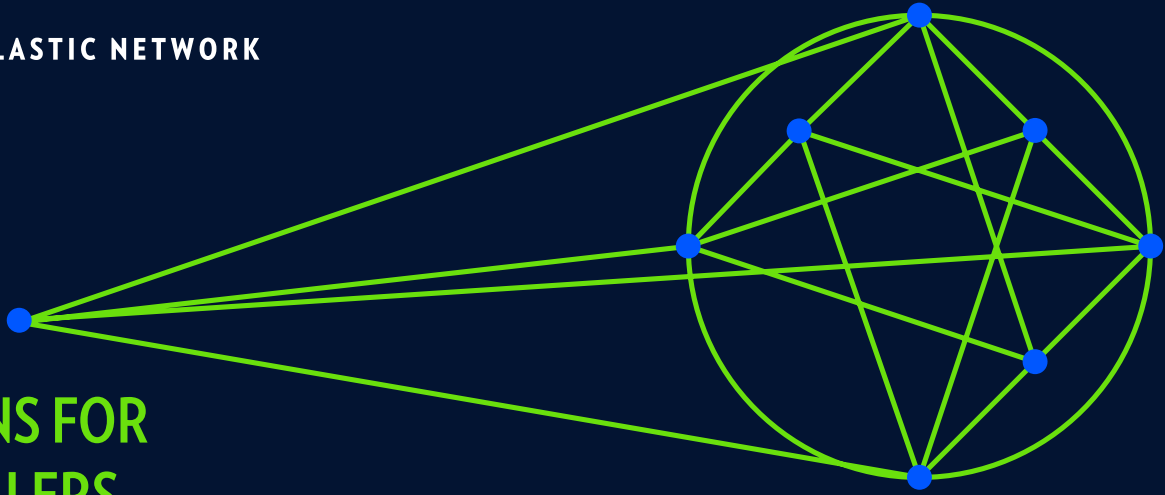


# 5G

## SOLUTIONS FOR WHOLESALE

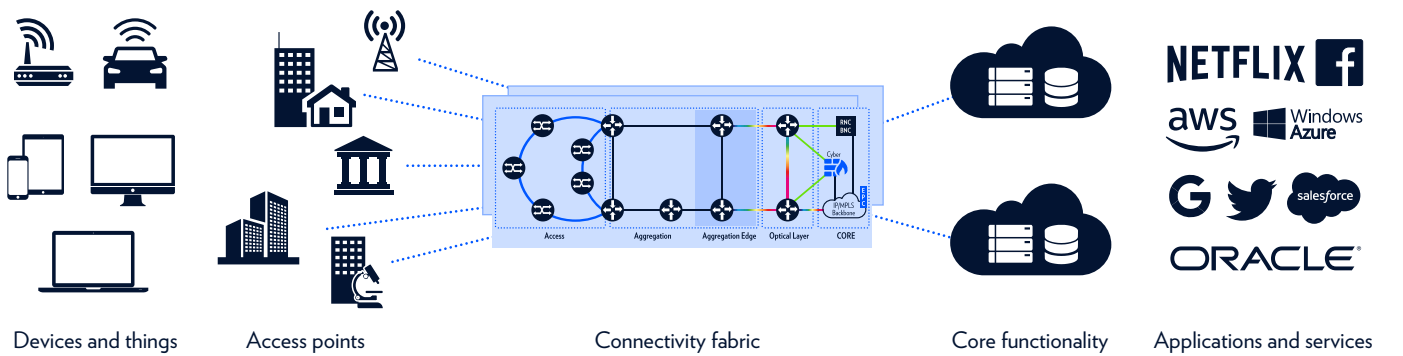


# UNLOCKING GROWTH POTENTIAL FOR WHOLESALE

5G represents a huge growth opportunity for businesses that are able to provide Mobile Network Operators (MNOs) with the advanced transport solutions required for 5G mobile backhaul (MBH). This can be existing Mobile BackHaul (MBH) wholesalers evolving their current 3G and 4G MBH portfolio. It can also be alternative network operators, who seek to monetize the capacity and reach of their fiber infrastructure.

As a packet and optical transport specialist, ECI is able to provide a network optimized for wholesalers. The programmable agility of ECI's transport solution allows wholesalers to provide MNOs with the leased connectivity, which they need to mass-launch enhanced mobile broadband services. As the MNOs introduce more complex services, such as AR/VR, mission-critical applications, and IoT, the wholesaler can lease connectivity with the determinism, ultra-low latency, ultra-high reliability, and highly-accurate timing required by such services.

- Multiservice**  
with multiple protocols supporting hybrid slicing
- Simplified operation**  
with comprehensive, open standards-based management
- Cost efficient**  
with pluggable, programmable network agility
- Flexible deployment**  
from central office to street cabinet



# ECI'S PROGRAMMABLE, SLICED, MULTILAYER TRANSPORT

## YOUR CHALLENGES

## OUR SOLUTIONS

<b>Multiservice</b>	<p>ECI's advanced transport technologies allow multiple virtual networks to be created on a single transport infrastructure. This is known as network slicing.</p> <p>Our hybrid network slicing approach allows the wholesaler to configure the isolation between slices. This allows the wholesaler to offer the MNO network slices that best meet the services they are delivering:</p> <ul style="list-style-type: none"><li>• <b>Total isolation enabled by wavelength and OTN slicing</b> Ideal for supporting mission-critical services, where connectivity must always be deterministic and is always unaffected by the rest of the network.</li><li>• <b>Hard isolation enabled by FlexE and dedicated queues</b> Ideal for business-critical services.</li><li>• <b>Soft isolation enabled by Segment Routing and Enhanced VPN</b> Ideal for best-effort mobile broadband services where statistical multiplexing can be applied.</li></ul> <p>Total isolation allows the wholesaler to support multiple MNOs on the same transport network.</p>
<b>Simplified operations</b>	<p>ECI's Muse software suite provides a comprehensive set of tools for the lifecycle management of the 5G transport network and the services that wholesalers are leasing to the MNOs:</p> <ul style="list-style-type: none"><li>• Slice management from slice planning and design to fulfillment, assurance, and maintenance.</li><li>• Multilayer optimization techniques ensure the wholesaler's network is maintained at optimal utilization and performance levels.</li><li>• Open, standard-based interfaces on a modern PaaS infrastructure allows Muse to be easily integrated into the operator's OSS/BSS ecosystem.</li></ul>
<b>Cost efficient</b>	<p>ECI's solution is designed with cost efficiency built in:</p> <ul style="list-style-type: none"><li>• Pay-as-you-grow design is at the heart of ECI's product architectures. Pluggable optics and tributary cards offer cost-effective scaling, with extension shelves that allow easy, cost-efficient addition of functionality and capacity.</li><li>• Elastic MPLS gives the network architect the flexibility to choose the packet transport technology needed for optimal design of their network.</li><li>• Packet aggregation provides cost-efficient transport for packet services.</li><li>• Software-enabled 5G features mean 5G capabilities are only instantiated when required.</li></ul>
<b>Flexible deployment</b>	<p>ECI's solution is designed to be equally effective in the street cabinet, small equipment room, or the central office:</p> <ul style="list-style-type: none"><li>• Compact architecture with high-density pluggable cards means maximum use of central office rack space.</li><li>• Low power consumption reduces operation expenses.</li><li>• The solution is ideal for deployment in street cabinets, thanks to:<ul style="list-style-type: none"><li>• Compact low-power architecture.</li><li>• Hardened design, which supports a wide temperature range.</li><li>• All-front access.</li></ul></li></ul>

Contact us for more information about ECI's wholesale network solutions

## ABOUT ECI



ECI is a global provider of ELASTIC network solutions to CSPs, critical industries, and data center operators. With the advent of 5G, IoT, and smart everything, traffic demands are increasing dramatically, and network operators must make smart choices as they evolve their infrastructure. ECI's Elastic Services Platform leverages our programmable packet and optical networking solutions, along with our service-driven software suite and virtualization capabilities, to provide a robust yet flexible solution for any application. ECI solutions are tailored for the needs of today, yet flexible enough to meet the challenges of tomorrow. For more information, visit us at [www.ecitele.com](http://www.ecitele.com)