Core and Last-Mile Connectivity

HALO's commercial and military experience makes them highly qualified to design solutions to extend cloud services to last mile locations. We can deploy infrastructure and technologies that facilitate reliable and high-performance connectivity to cloud resources, particularly in remote or underserved areas.

Hybrid Cloud Deployments

We are experienced in deploying edge computing resources or small-scale data centers to last mile locations, allowing organizations to reduce latency and improve performance for local users.

Edge Computing

Our HALO edge computing services brings the cloud closer to end-users by deploying computing resources at the edge of the network, reducing latency and bandwidth consumption. Edge computing is particularly beneficial for last mile locations with limited connectivity or high latency.

Content Delivery Networks (CDNs)

Our CDNs cache content closer to end-users in distributed edge servers, reducing latency and improving the delivery of cloud-based services.

HALO delivers the best mix of wireless technologies such as fixed wireless, 4G LTE, and 5G networks to extend cloud services to last mile locations where laying fiber infrastructure would be challenging or cost prohibitive.

Satellite Internet

HALO can work with a variety of satellite internet providers to deliver broadband connectivity to last mile locations in underserved rural or remote areas.

Network Optimization and Acceleration

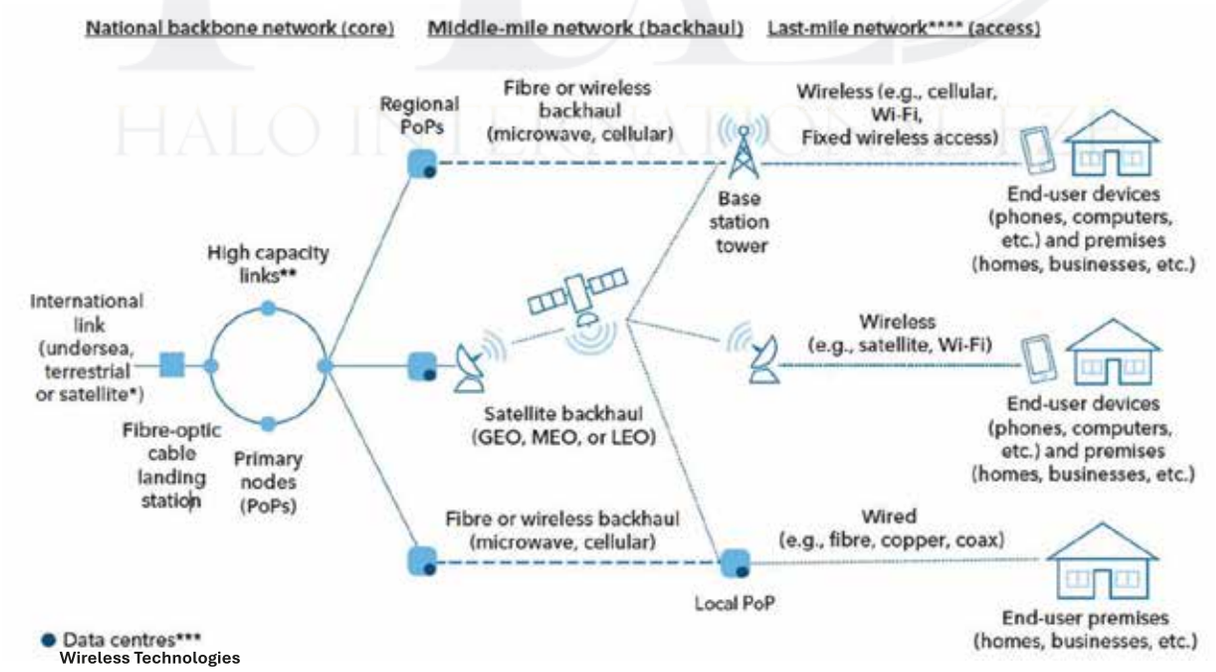
HALO optimizes networks using acceleration techniques, such as protocol optimization, caching, and data compression.

Security and Compliance

We are experienced in extending cloud services to last mile locations with robust security measures to protect data in transit and at rest.

Scalability and Flexibility

HALO's cloud services are designed to scale and adapt to the unique requirements and constraints of last mile locations.



Multi-Use Designs to Enhance Features

Private 5G, 4G LTE Connectivity

HALO's private wireless cellular routers provide resilient remote access and eliminate the need for costly site visits. Whether you're using a 5G, 4G LTE, 3G or 2G connection, HALO can tailor a solution. With support for secure VPN, static and dynamic IP routing, NAT, port forwarding, OpenVPN (SSL VPN), and a stateful packet inspection firewall, our cellular routers provide secure, reliable communications.

Mission Critical 3GPP Option

Our mission critical 3GPP 4G and 5G technology delivers next generation communications through high performing, resilient and secure mission critical mobile broadband communication services. We empower digital transformation for Public Safety agencies and Critical Infrastructure industries.

The 3GPP open standards and their global scale are quintessential to LTE and 5G in providing cost-effective communications for both commercial and mission-critical users. Our involvement in the continuous development of the 3GPP standard, and its gradual evolution to new generations technologies ensure that these standards remain the best option to meet the upcoming demands of critical communications.

Integrating Technology for Seamless Communication

Leveraging technology is crucial to enhance communication during emergencies. HALO and their partners offer sophisticated communication platforms that allow instant messaging, real-time updates, and targeted broadcasts. Integrating such tools can significantly improve communication efficiency, especially in an emerging or existing crisis when accurate information is critical to saving lives.

LTE/5G for Maritime Operations

While satellite technology continues to be ideal for offshore connectivity, new applications are hungry for bandwidth and can put pressure on existing satellite links and IT budgets. LTE/5G is a faster, more cost-effective alternative.

Our solutions can integrate satellite and LTE/5G in one controller to optimize connectivity at the lowest cost.

Last-Mile Locations

HALO offers integrated last-mile solutions that are designed to allow partnership with commercial providers, or dedicated internet only connections from our datacenters. We tailor our solution to your needs, while ensuring growth options remain to support future demands.