

****Technology Spotlight: Powering UltraFiber 2.0****

Our team has successfully implemented the network infrastructure to support the newly launched UltraFiber 2.0 service. Key technical achievements include:

- Deployment of XGS-PON technology enabling 10 Gbps symmetrical speeds
- Implementation of advanced traffic management algorithms to ensure ultra-low latency
- Integration of AI-driven security protocols for enhanced network protection

We're proud to provide the backbone for this groundbreaking service that's set to revolutionize residential internet experiences.

****Project Highlight: SmartCity Solutions Partnership****

Our 5G network expansion played a crucial role in the success of the SmartCity Solutions project. Network enhancements that facilitated this achievement include:

- Densification of small cells in urban areas to support IoT device connectivity
- Implementation of network slicing to prioritize critical city management traffic
- Deployment of edge computing nodes to reduce latency for real-time applications

These improvements not only supported SmartCity Solutions but will benefit all our 5G users in the area.

****Network Optimization: Supporting the "Triple Threat" Bundle****

To ensure seamless delivery of our new bundle offering, we've implemented several network optimizations:

- Enhanced interoperability between mobile and fixed-line networks for unified service delivery
- Upgraded core network capacity to handle increased data traffic from bundled services
- Implemented advanced QoS mechanisms to prioritize different service types within the bundle

These enhancements will ensure that customers experience consistent high-quality service across all bundled offerings.

****Capacity Planning: Back-to-School Bonanza****

In preparation for the upcoming Back-to-School promotion, we've taken the following steps to manage the expected surge in network usage:

- Increased backhaul capacity in areas with high student populations
- Optimized cell sites near educational institutions to handle higher data demands
- Implemented temporary "pop-up" small cells for added capacity during peak periods

These measures will ensure that both new and existing customers enjoy uninterrupted service during this high-traffic period.

****Technology Trends: eSIM Implementation Progress****

As eSIM technology gains traction, our team is working diligently to support this transition:

- Upgrading our Home Location Register (HLR) and Home Subscriber Server (HSS) to support eSIM profiles
- Implementing Over-the-Air (OTA) provisioning systems for seamless eSIM activation
- Conducting extensive testing to ensure compatibility with a wide range of eSIM-enabled devices

We're on track to fully support eSIM technology across our entire network by Q2 next year.

****Network Performance: Maintaining Our Competitive Edge****

Recent network enhancements have further improved our Silver Surfer plan's performance:

Metric	Previous Performance	Current Performance
Average Data Speed	15 Mbps	25 Mbps
Call Setup Success	98.5%	99.3%

| Network Availability | 99.95% | 99.98% |

These improvements ensure that we continue to offer superior service quality compared to our competitors.

****Upcoming Initiatives****

- Beginning trials of 400G optical transport network to support future bandwidth demands
- Launching a pilot program for OpenRAN technology in select rural areas
- Initiating a network-wide energy efficiency audit to support our sustainability goals

Stay tuned for updates on these exciting projects in our next newsletter!

Your TeleCom Networks Team