

# Improving Mining Operations with mmWave Gigabit-Speed Connectivity

Consider that an HD smart vision or drone camera even with the most aggressive compression can transmit 24 Gigabytes of information every day. **And with thousands of currently active mineral exploration sites around the world, the need for bandwidth could mount to almost unimaginable levels.**

To meet the need for flexible, Gigabit-speed connectivity that often needs to be deployed “on-demand” to account for changing conditions, critical infrastructure operations ranging from ports to utilities to mining operations are turning to high-frequency band mmWave technology.



mmWave has the flexibility to provide both “blanket” coverage and the required data performance where needed. Networks at critical infrastructure sites are more uplink than downlink (because of video requirements) and the narrow beams of mmWave make signal and interference modeling and planning much easier. **This will prove useful in cases where it might be necessary to increase transmit power, such as with radios mounted around the rim of an open-pit mine and pointed down.**

# 5 Reasons to Contact **Siklu**

1. Future-proof, high-capacity Gigabit solution
2. Proven millimeter wave solution with over 250,000 links deployed
3. Carrier-class performance and carrier-ready ROI
4. Operating over the interference-free and uncongested 60/70/80 GHz bands
5. Industry's smallest, lightest equipment



Siklu with its broad portfolio of mmWave systems offers complete coverage of an area and hard to reach places with a combination of both point-to-point and point-to-multipoint configurations.

## **Siklu**

About Siklu | [siklu.com](https://siklu.com)

Siklu delivers multi-gigabit wireless fiber connectivity in urban, suburban, and rural areas. Operating in the millimeter-wave bands, Siklu's wireless solutions are used by leading service providers and system integrators to provide 5G Gigabit Wireless Access services. In addition, Siklu solutions are ideal for Smart City projects requiring extra capacities such as video security, Wi-Fi backhaul, and municipal network connectivity all over one network. Thousands of carrier-grade systems are delivering interference-free performance worldwide. Easily installed on street fixtures or rooftops, these radios have been proven to be the ideal solution for networks requiring fast and simple deployment of secure, wireless fiber.