

# Success Story

Siklu's EH-8010FX Exceeds All Expectations  
With a 10Gbps Deployment in South Africa  
Over 10.4Km!



**Introduction** When Avax SA 410, a telecommunications contractor specialising in telecommunication and fibre optics solutions, experienced fibre cuts and down time due to criminal activity, they turned to MiRO to advise them on possible solutions. MiRO suggested the latest 10Gbps E-band solution by Siklu, a pioneer in carrier-grade mmWave wireless fiber technology.

**Challenges** Hannes Pretorius, owner at Avax SA 410 stated that "The biggest challenge for us, was to deliver fibre-like capacity over extended distances, something traditional wireless systems just can't deliver. The weakness in the previous solution was that fibre links were cut and vandalized and caused major down time and production loss."  
Elaborating on the Siklu's installation and implementation, Hannes explained: "The installation of the equipment was very simple and easy, but alignment takes a lot of effort and time due to the extremely narrow beam width of the Siklu E-band solution, it's was definitely worth the time spent, as this is one of the most stable links I have ever used!"

**The Solution** The sites were surveyed and a link planner was used to calculate the distance and line-of-sight for each link, the radios where then preprogramed and installed with pre-manufactured brackets and alignment was done, once the link was aligned final configuration was done and VLAN ID's set up. When asked about the apparent benefits of the solution, Hannes responded: "The data throughput was one of the biggest benefits, to have a link at 10.4km and still have a backhaul capacity of 10Gbps up and down, that is unheard-of in the telecommunications industry. This is a cost-effective solution which is durable and extremely stable. There is nothing like this on the market."



## Results

Thanks to Siklu's ruggedized, IP67 rated enclosure, the network is durable and can withstand the harshest of environments and in turn minimizes the total cost of ownership. Its carrier grade construction and performance means that you get true value for your money and a quick return on investment. Hannes concluded with future advice for similar projects: "Do your site planning and radio position 100%, pre-test the radio units on ground level before mounting the radios".

"Siklu continues to expand its reach throughout Africa working with MiRO. MiRO is a key partner that helps ensure service providers and integrators have local access to our products and training on the most innovative mmWave wireless fiber technology." said Siklu's CEO Eyal Assa. "The combination of flexible, high-capacity, high reliability and long range makes the EH-8010FX a leading solution in the fixed-wireless and mobile industries."