

RADWIN Powers Over-the-Water Connectivity in Sierra Leone



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*Sharka Kargbo, Director of Engineering,
Sierra Leone Telecommunications
Company*

Customer:

- Sierra Leone Telecommunications Company (SierraTel) - the state-owned national telecommunications operator and sole provider of land lines and leased lines.

Customer Challenge:

- Connect SierraTel's exchange stations in Lungi and Freetown. The stations are located 23 km apart on either side of the Sierra Leone river. The river posed a significant challenge to deploying wired infrastructure and wireless broadband systems.
- SierraTel needed a system that could transmit over water with no degradation in performance.

Solution:

- SierraTel chose RADWIN's WinLink™ 1000 wireless broadband systems. WinLink™ 1000 gives SierraTel the performance, range and reliability it needs, and is uniquely capable of transmitting over water.
- SierraTel installed WinLink™ 1000 in just hours. Today, WinLink™ 1000 transmits over the Sierra Leone river, providing high throughput and long range.
- Sharka Kargbo, SierraTel's Director of Engineering: "Wireless broadband made sense for us, and after a thorough competitive evaluation we chose RADWIN's WinLink™ 1000 point-to-point systems. What won us over was the fact that the WinLink™ 1000 solutions were uniquely capable of transmitting over water – with zero degradation in link performance and quality. Moreover, RADWIN's 5.8 GHz radios were markedly cheaper than all other alternatives, and were the only ones that provided carrier-class E1 + Ethernet connectivity in one link."

Benefits:

- SierraTel now has a cost-effective, carrier-class solution for their point-to-point connectivity needs. RADWIN's wireless broadband network significantly reduced SierraTel's telecommunications costs and is set to pay for itself in record time.
- Sharka Kargbo, SierraTel's Director of Engineering: "We have not had a minute of downtime since deploying RADWIN's systems. We couldn't be more impressed by WinLink™ 1000's ability to deliver high-quality, cost-effective radio connectivity across water – something that most other solutions are simply not up to. WinLink™ 1000 gives us the flexibility to support up to 4E1s and Ethernet, making it the perfect option for long-distance connectivity."