

Rural Communications Solution

Case Study

Nunavut, Northern Canada

“Our Qiniq customers require high-quality internet gateway products that they can depend on, and today those products are BEC Ridgewave routers”

- David Veniot
Manager, Communications



CUSTOMER



SSi Micro is the recognized leader in the field of remote and rural connectivity; a premier provider of internet and mobile services in Northern Canada, and the developer-operator of Nunavut's Qiniq network.

CHALLENGE

Nunavut is the largest in area and the second-least populous of Canada's provinces and territories, one of the world's most remote, sparsely settled, and harsh environment regions. Building and operating a network to connect these sparsely populated rural areas in Northern Canada is a significant challenge.

SOLUTION

BEC Ridgewave 6900 LTE Outdoor Router brings secure, high-performance connectivity to severe environments. It stands up to dirt, humidity and extreme temperatures for years of dependable operation.

PRODUCT

BEC Ridgewave 6900 LTE Outdoor Router

MARKET

Rural Telecommunications / Harsh Environment

For more information and advice, you can call 972- 422- 0877 or email our sales team at sales@bectechnologies.net

Executive Summary

SSi Micro is the recognized leader in the field of remote and rural connectivity in Northern Canada, specializing in deploying networks to support the needs of communities that do not have access to terrestrial connectivity. SSi Micro has chosen BEC Ridgewave 6300 Residential LTE Router and BEC Ridgewave 6900 Outdoor LTE Router to deliver their wireless 4G-LTE service in all 25 Nunavut communities. Now, more than 600 Nunavut customers benefit from the deployment.

Challenge

Nunavut is one of the world's most remote, sparsely settled regions. Without proper internet services, Arctic residents would be limited in their ability to connect with family, friends, and colleagues. It would also hinder access to education, health care, culture, and social services and would impede innovation and economic development. Broadband communications in these remote Arctic communities is vital.

Solution

SSi Micro concentrates in deploying networks to support the needs of communities that do not have access to terrestrial connectivity. To deal with this situation, SSi Micro chose to team up with BEC by deploying BEC Ridgewave LTE routers. BEC Ridgewave 6900 LTE Outdoor router brings secure, high performance mission-critical cellular connectivity to harsh environments. The rugged, compact IP-68 rated enclosure enables it to stand up to dirt, humidity and extreme temperatures for years of dependable operation. And, BEC Ridgewave 6300 Residential LTE Router delivers up to a 40% increase in signal reception and efficiency, providing dramatically superior range and optimized network capacity.

Result

Now, more than 600 Nunavut residents benefit from the deployment. Broadband communications in these remote Arctic communities is critical, enabling access to healthcare, education, government services and communication with the outside world. It also enables local communities to develop, attract, retain and expand the business operations. BEC Ridgewave 6900 LTE Outdoor Router has transformed the wireless prospect in the Arctic environment through partnership with SSi Micro.

