![Cambium Networks™ logo]

Rapier Systems Reach a Rural Estate with cnPilot™

> "We used cnPilot routers because they enable remote access and monitoring of the client's connected property via an app – allowing us to fully monitor the network remotely and quickly identify faults if they arise. We can also offer support to our customers quickly and avoid costly and labor-intensive site maintenance visits. The remote access aspect was key to our success – everything was able to be managed directly from our operational base."
>
> – STUART WILSON, TECHNICAL DIRECTOR, RAPIER SYSTEMS LTD

Overview

DRIMNIN IS AN ANCIENT SCOTTISH ESTATE near the small resort town of Oban, located 12 miles from Lochaline via single-track road or ferry. The local community consists of around 50 residential properties, several holiday rentals, and a few small businesses.

As one of the most remote areas in the already sparsely settled country, broadband access in and around the area was limited at best, with most of the residents relying on expensive, unreliable Rapier Systems Drimnin satellite broadband. A hardier, more stable, but practical solution was sought, for both regular and peak Internet use – to give Drimnin's residents the same caliber of connectivity enjoyed in Scotland's less isolated areas.
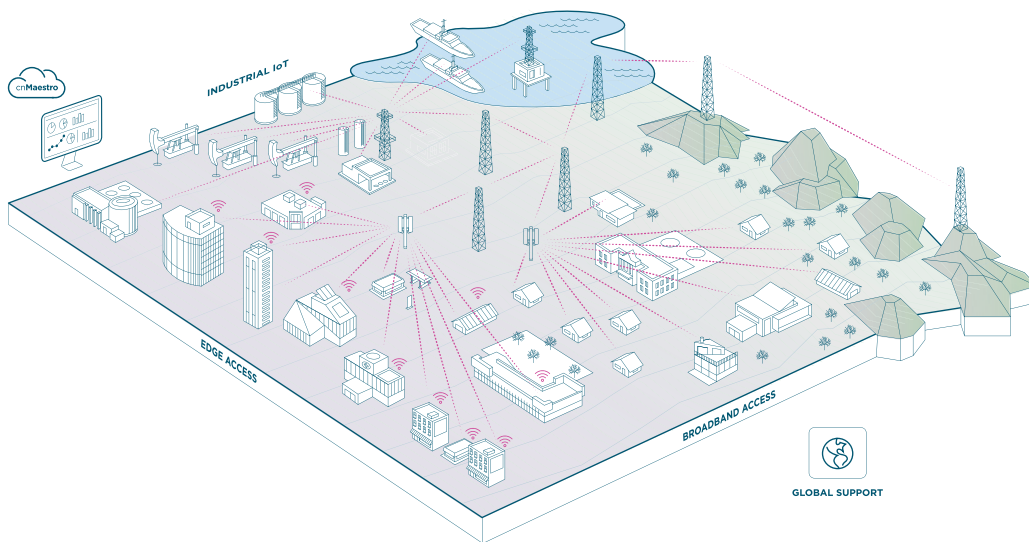

The Challenge

THE RUGGED SCOTTISH COUNTRYSIDE presented several physical challenges for the transportation of equipment and also demanded careful selection of products. The construction of each property also varied significantly, from contemporary glass feature walls against significant rockfaces to traditional thick stone walls that inhibit the transmission of Wi-Fi signals.

THE CAMBIUM NETWORKS DIFFERENCE

Before: <1 Mbps

After: 50 Mbps

The Solution

WIRELESS NETWORKS SPECIALIST RAPIER SYSTEMS was chosen to upgrade Drimnin's broadband to a fixed wireless access network. As an existing partner of Cambium Networks, Rapier Systems was already aware of the exceptional value of the cnPilot™ Wi-Fi distribution portfolio range – noting its higher build quality than most standard consumer-grade alternatives.

Rapier chose the cloud-managed cnPilot R201P 802.11ac Indoor access point, a user-friendly router that installs quickly and offers rapid scalability to facilitate network growth. Rapier also implemented Cambium Networks' cnMaestro™ cloud-based network controller for end-to-end visibility, zero-touch configuration, and secure remote administration of all network components and customer devices.

Results

RAPIER SYSTEMS WENT ON TO CONNECT all of Drimnin's 50 properties, including businesses and holiday rentals, via licensed microwave links, installed by its skilled engineers in only one month.

As a result of the upgrade, the isolated coastal community – which previously only received an average internet speed of 0.5 Mbps – is now enjoying speeds of up to 50Mbps.