

ENTERPRISE, RETAIL, AIRPORT ANTENNA SOLUTION

# CASE STUDY



## rCAN

ROOFTOP CONCEALED ANTENNA NODE

The Alpha Wireless rCAN helps build out your network, increase coverage and provide a world-class experience for customers in enterprise, retail and airport environments.



# GROWING DEMAND FOR CONNECTIVITY

+ Enterprises, retailers and airports across the US face growing demand for connectivity. Everywhere.

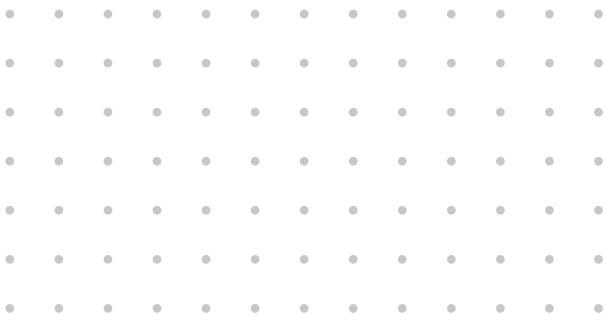
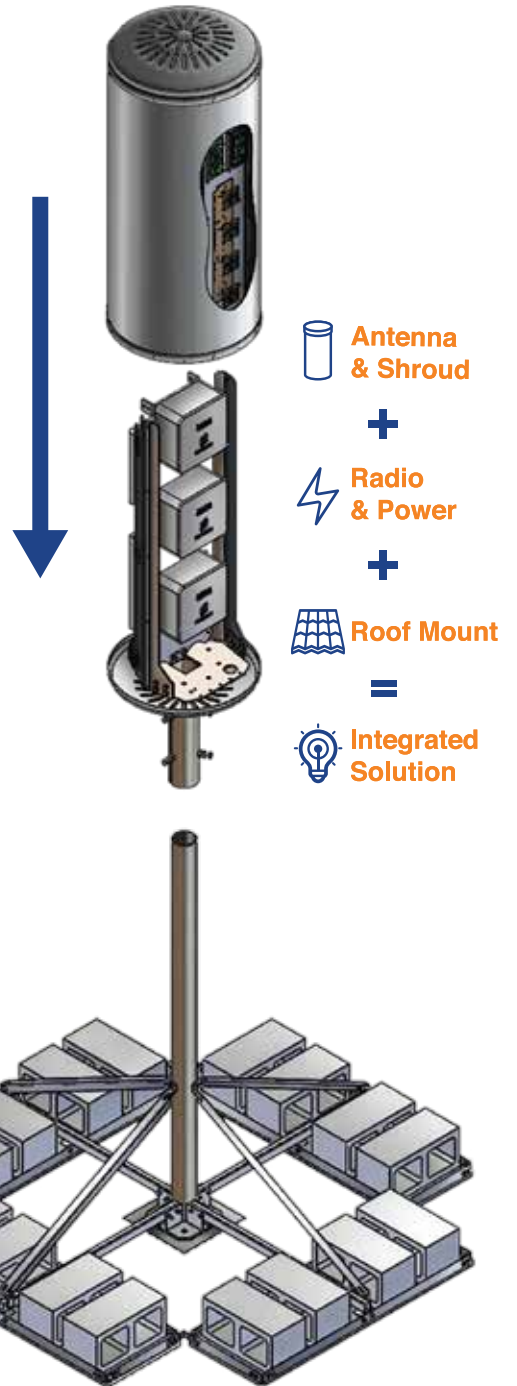
The need for improved coverage is important both inside and outside the building; from the operations department, sales floor, to the warehouse, loading bay, parking lot, sidewalks and surrounding areas.

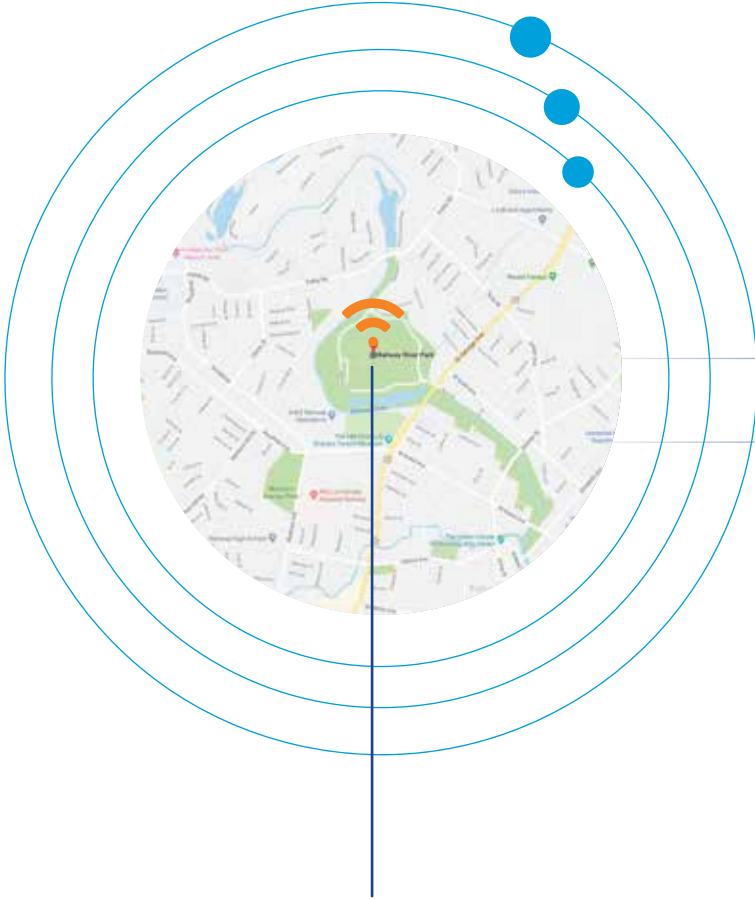
At Alpha Wireless we understand how connectivity is an enabler for growth, innovation and staying ahead of the competition.

The rCAN solution is designed to enhance wireless connectivity. It is a freestanding, small cell antenna unit. It is a truly integrated solution containing the antenna, shroud, radio and power. It is mounted easily and discreetly onto a rooftop providing superior network coverage with no visibility to pedestrians on street-level.



rCAN APPROACH





SITE MAP



CUSTOMER

Alpha Wireless worked with a major US tier one operator to help resolve connectivity issues both inside and outside the building for their customer – a multinational logistics company.

COUNTRY

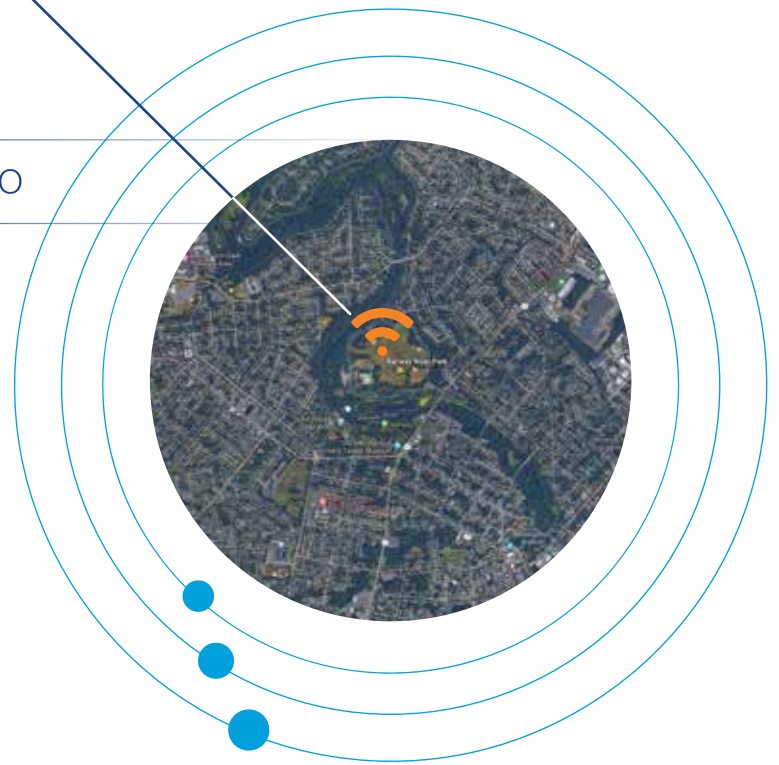
US

# rCAN

ROOFTOP CONCEALED ANTENNA NODE



AERIAL PHOTO



CHALLENGES

Network coverage; a critical factor in business communications, operations, efficient service delivery and providing an overall positive customer experience. The lack of coverage prior to the rCAN installation was inhibiting growth, business-critical communications and innovation capabilities.

## INSTALLATION PROCESS



Prior to installation, licensed electricians will run power to your roof. The rCAN runs on the same current as the rest of the building but it requires its own power line.

rCAN is pre-assembled, hand carried to site. The base is set and weighed down with concrete blocks.

rCAN unit is attached and connected to the electric power line.

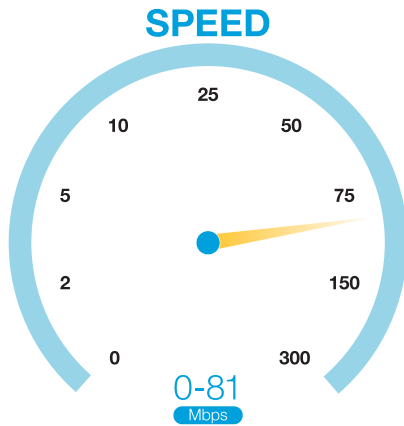
**+** Once set up, it immediately increases network coverage. This reduces the risk of customers leaving the network, thus adding value to a customer's package.



# SIGNAL READINGS OFF-ON AIR

## Feeder Dispatch Office 1<sup>st</sup> Floor

Coverage on 1<sup>st</sup> floor jumped from 0-81 Mbps



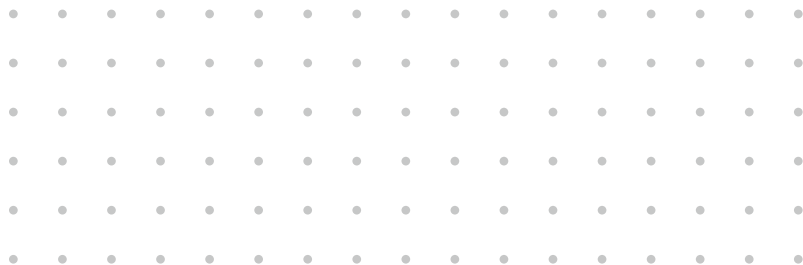
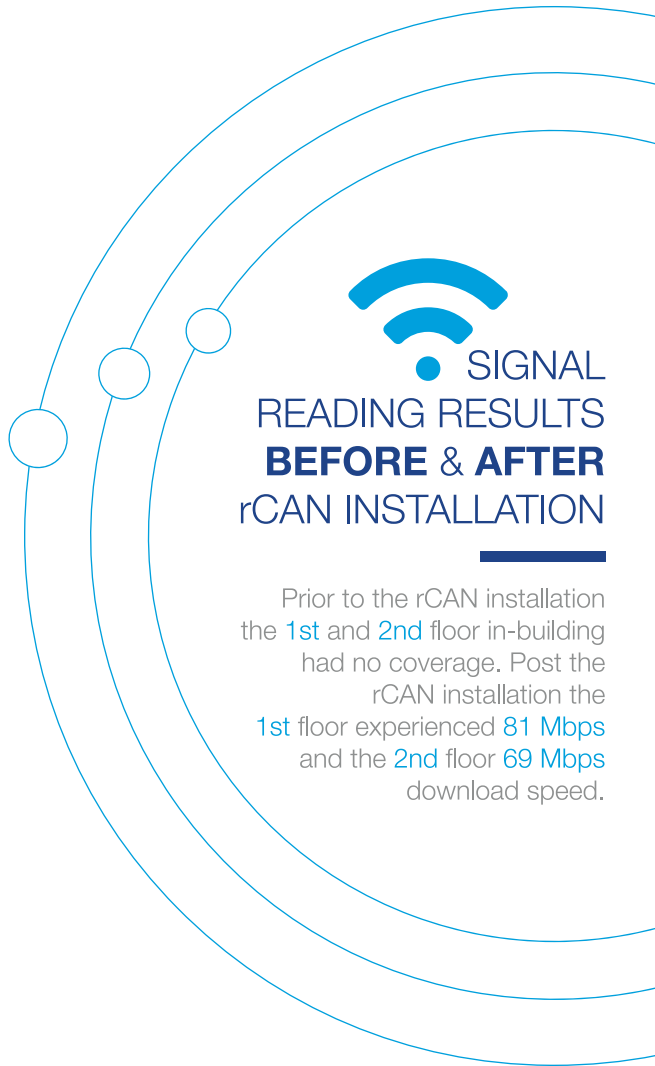
## Feeder Dispatch Office 2<sup>nd</sup> Floor

Coverage on 2<sup>nd</sup> floor jumped from 0 to 69 Mbps

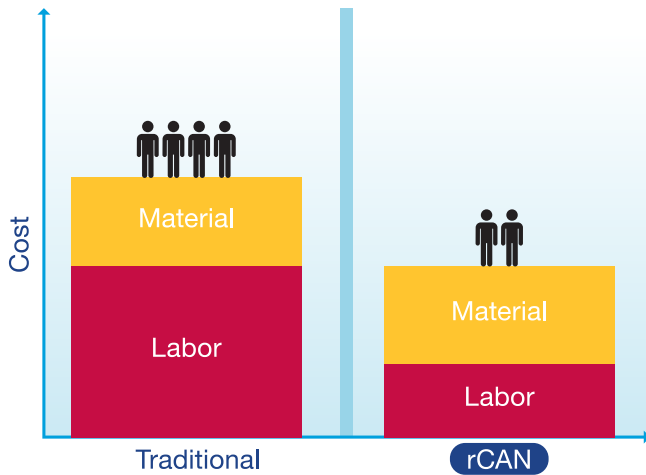


## Guard Shack Gate #3

Outside coverage in Guard Shack jumped from 10 to 40 Mbps



## BUSINESS IMPACT



## ALL BANDS COVERED WITHIN

- 1710-2690 MHz
- 3400-3800 MHz
- 5150-5925 MHz

# rCAN

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## WHY CHOOSE THE rCAN?

- Extremely cost-effective
- Incredibly easy-to-install
- Hand-carriable to rooftop
- Installed in less than 2 hours
- No business disruptions
- No structural changes
- Ideally suited to flat roofs
- Attractive, discreet form factor
- Quality Assured: assembled wired and tested before delivery to site
- Supports cRAN, micro cells, 5G, LAA and CBRS

**+** The Alpha Wireless rCAN is a super-fast, cost-effective solution for adding or improving in-building coverage as opposed to using traditional DAS solutions. The rCAN has the added advantage of providing localized street level coverage not typically attainable with traditional in-building systems.



## WHY CHOOSE ALPHA WIRELESS?

- + An Irish company, Alpha Wireless is a market-leading specialist in designing and manufacturing high performing, superior quality antenna solutions.

The Alpha Wireless rCAN will help meet and exceed the wireless connectivity challenges faced by enterprise, retail or airports across the US.

We work closely with network operators and neutral hosts to design solutions such as the rCAN, which are cost-effective and discreet.

The old models of network deployment are no longer sustainable, and Alpha Wireless is addressing this by ...Changing the way wireless networks are built.

Our reputation has been built on three guiding principles:

### INNOVATION

Market-leading, world-first, game-changing – this is what Alpha Wireless is determined to be. Our ability to innovate sets us apart and means that we are the first out of the starting block. We're not just about responding to current problems, we are committed to anticipating the future challenges and requirements of the wireless industry so that we can lead the way with solutions.

### AGILITY

Alpha Wireless has a deep understanding that one size does not necessarily fit all. Each of our customers is unique, and it is important to provide solutions that fit their individual needs. Flexibility is at the heart of our customer service philosophy, so we do not try to fit our clients into a box – instead, we create a box that suits them and adapt to their requirements.

### RESPONSIVENESS

We're in the wireless industry, so it should not be a surprise that speed is a major priority. Building strong relationships that enable us to provide fast and efficient solutions with minimal fuss is what brings Alpha Wireless customers back again and again.





## CONTACT US

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