

# PROVIDING BETTER CONNECTIVITY IN RURAL AREAS OF ALBANIA

## STARNET

Starnet is a well-established Wireless Internet Service Provider with more than 11 years of experience in providing wireless internet connectivity. Based in Tirana, Albania, Starnet offers services all over the country in various areas, including seashores, cities, and rural areas. To provide the best services in such a diverse environment, Starnet is always looking for the most modern and innovative technology.

## REQUIREMENTS

Starnet had three key requirements:

1. The first requirement was price. The products have to be cost-efficient so Starnet could offer their services for a competitive price.
2. The number of Wireless Internet Providers is growing in Albania so the attracting of new customers is getting more difficult. Therefore the second requirement was that the products must allow Starnet to provide new services to their customers and enable Starnet to expand in the Albania market.
3. The third was the compatibility with current platforms to minimize the deployment cost and enable Starnet to use their existing infrastructure. Starnet's networks are based on MikroTik™ radios, so the new products have to be compatible with MikroTik™ RouterBoards™.



Starnet technician installing RF elements® equipment

## SITUATION, PRODUCTS USAGE AND RESULTS

Starnet chose two sites with a specific setup to challenge the product even more. Both sites cover 120°, one with customers over wide area with low throughput and another with concentrated customers in one area. The recommendation from RF elements® for the first site was to use their new Symmetrical Horn Antennas and change the topology by dividing very wide 120° sector into two 60° sectors. The clients connected to the second site were not distributed over a 120° area. RF elements® recommended to narrow the sector and cover only the area with customers using the 60° Symmetrical Horn Antenna.

### Starnet used the following product from RF elements® on their sites:

- Three 60° Symmetrical Horn Antennas (Product ID: *SH-TP 5-60*)
- Three TwistPort™ Shielded Adaptors for RouterBoard (Product ID: *TP-ADAPTOR-RB-S*)

***“Installation was quite easy as always with RF elements products.”***

Dolor Shiba, Starnet CNO

Thanks to the precise angle of radiation, splitting the first site into two sectors was very simple. The unique beam of the Symmetrical Horn Antennas with no sidelobes allows operation



Site installation in Albania

of two antenna without causing interferences to each other. Co-location with these antennas was really an easy task.



Co-location with RF elements® Symmetrical Horn Antennas in Albania

RF elements® Symmetrical Horn Antennas together with TwistPort™ adaptors provide everything Starnet required. TwistPort™ Shielded Adaptors for RouterBoard are compatible with most popular Mikrotik™ boards so Starnet can maintain the same radio platform in their network. By deploying Symmetrical Horn Antennas Starnet achieved a significant improvement

***“Symmetrical Horn Antennas provide huge benefits. Signal and throughput improvement is significant.”***

Dolor Shiba, Starnet CNO

in signal quality and site throughput, an important aspect to expand their customer base.

The overall performance improvement of sectors, cross-platform compatibility and disruptive price of RF elements® products allows Starnet to achieve all of their goals and offer better services to their existing customers and attract new customers.

***“Performance of Symmetrical Horn Antennas from RF elements is excellent. We have achieved desirable performance to provide better services to our customers. All that for very reasonable price.”***

Dritan Vreshta, Starnet CEO

Visit Starnet: <http://starnet.al/>

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<http://www.rfelements.com/support/testimonials/>