

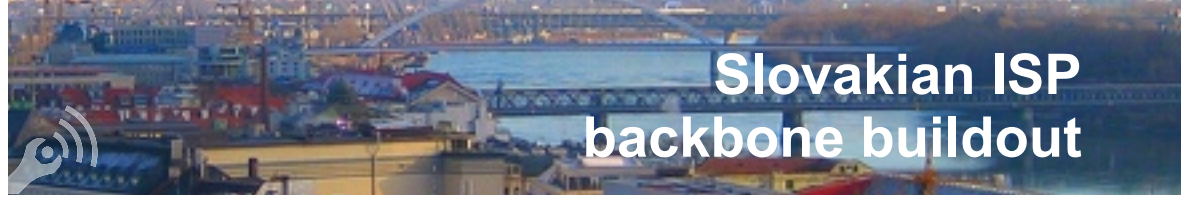


## Customized Microwave Solutions

**SAF Tehnika** is a European (Latvian) designer and manufacturer of digital microwave radio equipment. SAF microwave radios provide wireless data and voice transmission solutions to various customers, including mobile and fixed operators, ISPs, local governments, utilities, schools/universities and others in 100 countries worldwide.



**Krompachy, Slovakia**



## Slovakian ISP backbone buildout

**Partner:** DCN - Data Communication Networks, spol. s r.o.  
**Customer:** netIQ Ltd.  
**Location:** Krompachy, Slovakia  
**Solution:** 24GHz SAF FreeMile microwave radio system

“DCN is delighted to distribute SAF FreeMile microwave radios on Slovak market. FreeMile brings latest technology to ISM band, this way offering both high performance of radio for professional use and benefits of unlicensed frequency band. DCN is providing great value to the users of FreeMile equipment, delivering carrier grade system at affordable price.”

**Mr. Milan Mocko**  
Director

**DCN – Data Communication Networks, spol. s r.o.**

### THE PARTNER

**DCN - Data Communication Networks, spol. s r.o.** is a long-standing authorized partner of SAF Tehnika, operating in the European market, providing a comprehensive product portfolio of microwave solutions together with consultancy, legal arrangements for frequency allocation, installation itself and subsequent servicing and maintenance.

### THE CUSTOMER

**netIQ Ltd.** is Slovakia based internet service provider, committed to provide the citizens of Slovakia with high quality and high availability internet services.



**Krompachy, Slovakia**

### CHALLENGE

The main goal of the project was to extend its internet network into Slovakian town of Krompachy, where customer didn't offer any wireless internet access service. The solution should also satisfy customer's CAPEX requirements.

### SOLUTION

To deploy network in Krompachy area DCN suggested SAF FreeMile 24GHz radio system. It was done for various reasons, not least there is no risk of interference with other equipment in vicinity. As a result the deployed system guarantees 100Mbps Full Duplex capacity with much lower latency than 5.8 TDD systems. Such additional benefits as ease of installation and intuitive GUI were well appreciated by all involved parties. Two parts of the Krompachy town were connected - distance of the link is 1.2 km.

## KEY BENEFITS

SAF Tehnika has been chosen because of the following reasons:

- license free frequency band, no license fee
- guaranteed 100 Mbps Full Duplex capacity
- reliable carrier grade equipment
- great value for money

## SAF FreeMile HIGHLIGHTS

- New generation **License Free 17GHz** and **24GHz** ISM band radio for Ethernet traffic and E1/T1 voice transmission (TDM traffic)
- Carrier grade full duplex capacity 100Mbps + 2E1/T1
- Hitless modulation switching (ACM) feature ensures high availability even at poor weather conditions
- Easy configuration from web interface and up-to-date network management over SNMP protocol
- Radio polarization sensor for easier installations
- RF spectrum analyzer

## DETAILS OF THE NETWORK

Equipment	SAF FreeMile 24GHz
Link distance	1.2 km
Frequency	24GHz
Capacity	100Mbps Full Duplex
Services	Ethernet
Antennas	60 cm solid parabolic



SAF FreeMile all outdoor system



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