



EC SYSTEM

Success Story, Veselí nad Moravou, Czech Republic

Sector: Internet Service Provider (ISP, company)

Environmental conditions:

The territory around Veselí nad Moravou is, according to the map of climatic regions, located in a warm or slightly warm area and belongs to the warmer areas in the Czech Republic. Fog may occur during spring and autumn mornings.

Reason of implementation:

Dense coverage and big Wi-Fi interference of other networks (2,4GHz and 5GHz), FSO Point to point provides license free operations and reliable connection also in noise dense urban areas and ISP would not have to pay frequency license fee for other frequency.

Benefits of EC SYSTEM FSO:

- License free operation
- Providing reliable operation in noise dense urban areas.
- Immune to interference
- Fast and simple deployment

Deployment:

EL-100M with capacity 100 Mbps at distance 2.000m, one side (Indoor unit and outdoor unit) was installed on the roof of a house, the second one on the roof of a block of flats.

EL-100M with capacity of 100 Mbps at distance of 6.800m

El-1G with capacity of 1 Gbps at distance of 1.400m

Impressions of installation received from a technician from ISP: QUICK AND EASY INSTALATION up to 1 hour (because of the auto-tracking system the installation was quick in comparison to FSO from other manufacturers).

During the period of using EC SYSTEM free space optics there has been a variety of environmental circumstances such as sun, snow, and days with fog or/and rain. EC SYSTEM FSO also has been worked in the heavy rain periods while the other manufacturers' FSO stopped working. The EC SYSTEM FSO has auto-tracking system inbuilt that is why it works very well even if the strong wind moves with the mast which it was installed on.

