

Success story

"Why EC SYSTEM FSO 10 Gbps was used for data transmission by Data Centre Company in Mexico"



Have You request for high capacity of data transmission?

Wireless optical connection - [EC SYSTEM FSO](#) provides data transmission with speed 10 Gbps in Full Duplex!

Advantages:

- Fast & Simple Deployment
- Speed 10 Gbps in Full Duplex
- Modular upgrade up to 40 Gbps
- No frequency-regulatory license fees
- No municipality permission required
- Best in its class Security protection from cyber attacks
- Low latency
- Competitor advantage
- Real-time Automatic Gain Control
- Real-time Auto tracking compensates motion of mast and building



Application area:

- Mobile operators
- Internet service providers
- Connecting of base stations
- Wireless optical Point to point
- Last mile
- Backhaul for LTE network
- Government and Corporate
- Airports -where using of radio technology is prohibited
- Military sector

Data Centre Company, located in Mexico has used

EC SYSTEM FSO EL-10G for 10 Gbps

Mexico is situated in the area with high seismic activity and the earthquakes cause frequently the shaking of the buildings. There is a noise-dense area with big WIFI interference, with a lot of historical monuments under the ground in the city. That all is the reason why it is not possible to install the optical cable in the ground sometimes at all and on top cost effectively. However, there are demands for high capacity throughput and very secure data transmission without any interception.

The reason why Data Centre choose EC SYSTEM FSO [EL-10 G](#):

- Big capacity 10 Gbps Full Duplex with distance up to 3000 m
- Wireless optical connection- optic connectivity without requiring physical fiber-optic cable
- Optical wireless technology eliminates the need to buy expensive radio spectrum (it does not require permission or municipal license approval)
- FSO technology enables faster and more simple integration than the technology of optic-fiber cable
- Automatic alignment - built-in system of the aiming and targeting for faster adjustment
- Real-time AGC (Automatic Gain Control) provides regulation of the optical transmit power of the laser diode
- Real-time Auto tracking system, compensates movements of mast and building caused by thermal expansion, wind or earthquake

Benefits obtained by Data Center Company:

- 10 Gbps Full Duplex Capacity,
- Fast and low cost installation
- Affordable CAPEX and OPEX
- No monthly operation fees required,
- No payment of license fee required,
- Extremely high link availability of up to 99,999%
- System immunity from nearby radio frequency interception
- Cyber security protection – FSO is the most secure system for confidential-data transmission
- Competitor advantage – offers high capacity data transmission sooner than other companies that use traditional connections

If you are interested receive more information please don't hesitate to contact us by phone Nr. +420 296 371 265 or [by e-mail](#).
