

EC SYSTEM Free Space Optics 1 Gbps

Sector: Government in Mexico City

Environmental conditions:

Mexico City is located in a valley surrounded on three sides by mountains which trap the contaminants produced by the metropolitan area's 15 million residents and by a lot of industrial plants. The city has dry winters. Heavy rains come during summer months and usually last only a few hours.

The city is situated in the area with high seismic activity; the earthquakes cause often the shaking of the buildings.



Reason for deployment of EC SYSTEM free space optics:

Connection of the governmental buildings

Capacity 1 Gbps without interception

Fast and easy deployment

No license and municipal regulation

Reliability of connection in noise dense and big radio interference environment, earthquake independent



Installation conditions:

There is noise dense area with big WIFI interference of other networks, with a lot of historical monuments underground and high seismic activity. Due to these reasons is not possible to install the optical cable in the ground sometimes at all and on top cost effectively or to use radio technology. At the same time there is demand for high capacity throughput and very secure data transmission, which cannot be intercepted.

With the cooperation of a local installation company there was a link EL-1GL with capacity Gbps and distance range up to 5100 m deployed there.

