



WIRELESS CONNECTIVITY BETWEEN COUNTRIES



A company in Gibraltar wanted to offer their services via the Internet, and was looking for an ISP to provide the connection. The consultant responsible for the local network suggested they connect to an ISP that was located near the border between Gibraltar and Spain, on the Spanish side of the border.

They rejected the option of a leased line because of the high costs involved, that is, the company did not want to pay the monthly leased line charges. Even more problematic in this situation was the fact that the leased line charges would have been *doubled* since payments would be made to both the Gibraltar and the Spanish carriers.

One possibility remained for creating the link between the business and the suggested ISP, and that was *Wireless Communication*.

There was a clear line of sight between the two buildings, crossing over the sea. However, part of the line of sight crossed the landing area of the Gibraltar airport, creating the possibility of interference with airplane radios if an RF link were used.

OPTICAL ACCESS offered the ideal solution. Using a *Wireless Infrared Link*, **OPTICAL ACCESS** was able to connect the two sites, which were 1km apart, providing a *more reliable, faster and less expensive* solution compared to RF or leased lines.*

Conclusion:

One of the most expensive connections from any carrier company is international interconnection, even if it is right across the border. The infrared optical connection is a superior solution for such cases because it is:

- Cost effective
- No international E1/T1 fees; *E1/T1 connectivity via local carriers only*
- Immediate connectivity, fast installation

*In fact, the cost of installing **OPTICAL ACCESS** IR link was almost the same as the leased line charge would have been for *one month*.