



Project Speed Maintained with Geodesy FSO Wireless Cabling...

Mott MacDonald is a global engineering organisation known for delivering significant projects such as Channel Tunnel, Hong Kong Airport and the Heathrow Express rail link. It has 25 permanent offices in the UK and needed to improve communications at its London site.

There was an existing cable between the two buildings in London, but at only 2Mbps it was not capable of efficiently transmitting data traffic in the volume expected in business today. In particular files containing large engineering drawings were very demanding of the installed cabled network between buildings. However, to install a new cable across the 180 metres would be very costly and difficult especially as it would involve digging up a busy main road.

DigitalAir Wireless Networks, a Geodesy FSO integrator, recommended the use of a Geodesy FSO Giga Pico Next, this gives Mott MacDonald had a 1Gbps data link. This allows for multimedia, data connectivity and voice communications can be carried across the same link, a further

efficiency as both buildings can be supported by a single switchboard. The laser-based Giga Pico Next has even been installed inside the buildings behind glass windows, so the equipment is fully secure and maintenance is simple. Bradley Tullet, IT Manager for Mott MacDonald in the UK, commented:-

“ The Geodesy FSO PINTO has solved all of our communications problems. For a one-off cost we have a huge increase in our data bandwidth, and using the same link we can also include our voice network. Most impressively, the laser-based network even stands up to bad weather. When the rest of our network went down in a recent lightning storm the Geodesy FSO PINTO link was the only part to keep going.

” The Geodesy FSO Giga Pico has been such a success for Mott MacDonald in London that another system has been installed in Manchester. This time to link a main office with a

building that has been leased to house the project staff for a two year project. With a project on going there was no time to wait the typical three months for a cable installation, the Geodesy FSO Giga Pico was installed and working immediately. At the end of the project the Geodesy FSO equipment will simply be DE installed and used at another site, and all for a one-off capital purchase.

Rapid installation - fully secure - simple maintenance.

About Mott MacDonald

Mott MacDonald is an international consultancy working to turn ideas into reality, delivering solutions touching many areas of everyday life: from transport, energy, water and the environment to building, industry, communications and education.

They are engaged in public and private sector development in 100 countries, adding value around the world, around the clock. They work in partnership with all customers: from national and local governments, utilities and industry to commercial companies, developers, banks, funding agencies and private individuals.

About Geodesy FSO

Geodesy FSO was founded in 1999 and is a developer and manufacturer of laser-based, free-space optical (FSO) communications equipment. Since its inception in Hungary the company is now an international enterprise installations in over 41 countries world-wide. Geodesy FSO has regional offices in Brazil, Hungary, Singapore and the UK. Geodesy FSO provides a range of solutions for broadband, point-to-point connectivity enabling wireless networking up to 1.25Gbps Full Duplex over and above the user's current infrastructure.

Geodesy FSO technology enables high security, scalability and superior price to performance value and has been successfully

deployed for a wide range of applications across sectors as diverse as SP's, ISP's, Health, Education, Finance, Public Facilities, Retail, and Manufacturing.

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