



novanetworks

Case Study: IP Video to ISS

Location: Blackrock Castle Observatory
Project: IP video-conference link to International Space Station
Timeframe: 1 week

How did Blackrock Castle Observatory install a high-speed IP video-conference facility to enable live communication with the International Space Station with a lead time of one week?

The Challenge

When BCO approached Nova Networks in January 2008 regarding permanent IP connectivity for their Cork observatory, we suggested a high-speed fibre connection. Then out of the blue, an opportunity arose for BCO to host a major NASA media event involving a video-conference between astronaut Dan Tani and his Cork wife, Jane Egan at the castle. BCO would require a high-bandwidth IP link to enable the video-conference. The link would need to have a capacity of **10Mb (uncontended)** and would need to be installed **within one week**.

The Solution

Nova Networks provided a 10Mb IP link using a low-latency wireless point-to-point solution from Redline Communications, providing connectivity to one of our fibre nodes. The project was specified on a Monday, most installation done on Tuesday and the system integrated and tested on Wednesday. A second 10Mb backup link was also put in place. As we also have multiple upstream and backhaul providers, the link provides a fully resilient service.

This level of agility allows Nova Networks to meet the exacting requirements of business in the new IP-centric world.

Nova Networks Business IP Services:

- Fibre Connectivity – Internet or PTP Ethernet
- LiquidIP Wireless Dedicated Internet
- Metro-i Business Broadband
- BusinessMAX Broadband
- Custom Wireless Point to Point Links
- MPLS / VPN

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