

iLogic Enables Real-Time Video Streaming of Cyber.Net Concert

Karachi, Pakistan



Customer

Cyber.Net (Pvt) Ltd. is the largest Internet and data communication network service provider in Pakistan. The company offers various services to the corporate and consumer sectors and is exploring the possibility of extending several other unique online services to its more than 80,000 valued customers.

Cyber.Net offers total Internet solutions for the business and family. With ever-expanding horizons, Cyber.Net aims to be the largest full-service Internet service provider in the country, with features and facilities including 24/7 technical assistance, best modem-to-user ratio, powerful, direct connection via satellite to the Internet backbone and firewall security features to safeguard against hackers. Cyber.Net, with 36 Mbps bandwidth and 6000+ dial-up ports, is completely geared toward providing customers with timely, reliable and superior services and solutions.

Solution Provider

iLogic (Pvt) Ltd., is a unified communications company based in Pakistan, with its main focus on data communications using wireless as the primary transmission medium, including wireless long-range connectivity, non-line-of-sight wireless solutions, wireless video surveillance systems, wireless broadband access, Wi-Fi hotspots,

vehicle access control systems, wireless PBXs and consultancy. iLogic has more than seven years of experience deploying wireless data networks.

The Situation and Challenge

Cyber.Net hosts concert performances at the Maritime Museum by some of the top bands in Pakistan. To promote the venue, the objective was to stream live video from the concert onto Cyber.Net's website.

Cyber.Net required a highly available broadband connection on which to stream video over the 4.3-mile (7-km) distance between the concert site and the network on which the concert was to be broadcast. Leased-line connectivity was not an option as it was cost-prohibitive and could not be up and running in time for the concert. Point-to-point broadband solutions were attempted; however, a large hill obstructed clear line-of-sight, and Karachi's busiest highway, I. Chundrigar Road, caused a high level of noise and interference. Thus, the platforms were unable to achieve the connection.

"We could not have met the requirements for this installation without the PTP 400 Series link. The noise and NLoS challenges seemed insurmountable for a wireless solution, but the Motorola product performed well. Rapid deployment was a critical issue with this installation; in five hours there was traffic running between the two endpoints."

~ M. Ahmad Ijaz, Technical Manager, iLogic

Technical Requirements

- In excess of 7 Mbps of throughput
- High availability
- Ability to perform in an NLoS environment
- Interference-mitigation features
- Rapid deployment

Deployment Detail and Interoperability

iLogic used the Motorola Point-to-Point Wireless Ethernet Bridge – 400 Series link with integrated antenna to make the connection, completing the installation in less than five hours. The servers used to host the concert's live video were directly connected to a Motorola PTP 400 Series unit at the top of a lighthouse at the remote site. It connected to another PTP 400 Series unit that was affixed to a tower atop an 11-story building. The video was then streamed directly onto the network.

The Results

The Motorola PTP 400 Series solution delivered a highly available, 10.5 Mbps connection where other broadband wireless platforms couldn't operate, while negotiating obstacles and avoiding heavy interference. It provided more than enough bandwidth to enable the concert's live streaming video on the Internet – and was installed quickly, well within the deadline.

Why Motorola?

- The Motorola PTP 400 Series solution was the only broadband wireless platform that could achieve the bandwidth and availability requirements of this installation
- Quick and easy deployment

About Motorola

Motorola is known around the world for innovation and leadership in wireless and broadband communications. Inspired by our vision of Seamless Mobility, the people of Motorola are committed to helping you get and stay connected simply and seamlessly to the people, information, and entertainment that you want and need. We do this by designing and delivering "must have" products, "must do" experiences and powerful networks – along with a full complement of support services. A Fortune 100 company with global presence and impact, Motorola had sales of US \$36.8 billion in 2005. For more information about our point-to-point products and services, visit our website at www.motorola.com/ptp

At the time of this installation, the products deployed were the Orthogon Systems OS-Gemini point-to-point wireless Ethernet bridges. With Motorola's acquisition of Orthogon Systems, the OS-Gemini products were renamed as the PTP 400 Series bridges. They are now part of Motorola's **MOTOwi4™** portfolio of innovative wireless broadband solutions that create, complement and complete IP networks. Delivering IP coverage to virtually all spaces, the **MOTOwi4** portfolio includes Fixed Broadband, WiMAX, Mesh and Broadband-over-Powerline solutions for private and public networks.

MOTOwi4™



For more information about the Motorola Point-to-Point Solutions:

Outside of North America: +44 1364 655500

In North America: +1 877 515-0400

www.motorola.com/ptp