



Ireland's largest provider of high quality maintenance services for Microwave Wireless and a leading provider of Cisco voice, video and data solutions.

PROJECT OVERVIEW

Customer Name: Louth County Council

Industry: Government

Location: Ireland

Challenge

- County Wide Network Support

Solution

- Exigent Managed Support Contact

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With staff numbers dropping and workloads increasing it is essential that Louth Local Authorities provide a high quality IT service to its staff regardless of their location in the county.

By standardising the bandwidth delivery to all of the smaller sites Louth Local Authorities are ensuring that staff have access to the full range of IT systems in order to efficiently perform their duties.

For example the Exigent project now means that 30 sites in the county are now on an integrated county wide phone system with a full range of phone facilities

Eugene Mulholland
Head of Information Systems
Louth County Council

Project Details:

About Louth County Council: Louth County Council is the authority responsible for local government in County Louth, Ireland. As a county council, it is governed by the Local Government Act 2001. The council has 26 elected members with elections held every five years.

About Exigent Networks:

Exigent Networks is one of Ireland's leading providers of Information and Communications Technology (ITC) solutions, it is the largest provider of microwave radio solutions to Irish Local Authorities. Exigent currently provide services to Waterford City Council, Fingal County Council, Galway County Council, Cork City and County Council, Dun Laoghaire Rathdown County Council as well as GlaxoSmith-kline, Waterford Wedgwood and Kelloggs.

Exigent Network's provide the architecture, deployment, integration and management of networks and systems to deliver leading edge networking solutions for our customers. Our commitment to customers is to provide unparalleled customer service and expert technical advice to ensure that clients get the most of their infrastructure investment.

The Challenge:

Louth County Council, Until recently, used contended ADSL technology which was not capable of supporting further expansion of council services, nor could it deliver scalable efficiencies by allowing several facilities to share resources to the required standard and in a cost effective manner. Louth County Council had a requirement to provide secure high capacity connectivity to 15 public sector sites around the county, including council offices, town councils, firestations and libraries back to County Hall in Dundalk.



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The Solution:

To overcome this challenge Louth County Council awarded Exigent Networks with a contract worth €140,000 to supply, install and support a new high capacity wireless wide area network (WAN) for the Council.

Exigent Networks, Ireland's leading provider of high quality maintenance services for Microwave Wireless and a leading provider of Cisco voice, video and data solutions are providing the technical support and maintenance of the Wireless network. The Network is designed with the following technologies:

Ceragon Microwave links: Licensed microwave radio backbone using Ceragon Networks IP10 radio links providing capacities from 10 – 531Mbps over a single licensed microwave link

SAF Freemiles: 17GHz unlicensed radio links delivering 30 & 100Mbps on distance up to 15Km

Pat Downing, Sales Manager at Exigent Networks states: "The new wireless Wide Area Network (WAN) will eliminate the risk of obsolescence for Louth County Council as our solution will deliver the highest bandwidth using the world leading technology necessary to meet and surpass the councils future application needs as they arise"

Microwave Wireless Equipment Supported:

- Ceragon IP10
- SAF 17 GHz Freemile
- SAF 17GHz Lumina

Link Distances:

- From 1Km to 30Km

Capacity of New Links:

- 30Mbps to 400Mbps

LAN/WAN Equipment Supported:

- Cisco Layer 2 Switching
- APC UPS Power Solutions

Frequencies:

- Licensed: 11 / 18 GHz
- ISM: 5.4 – 5.8 GHz

18 Microwave Links Used

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