

Cork County Council Case Study

**YOUR NETWORK
OUR VISION**



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: Cork County Council

Industry: Government

Location: Ireland

Number of Employees: 2000

Challenge

- County Wide Network Support

Solution

- Exigent Managed Support Contract

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Information Technology plays a vital role in the delivery and improvement of Cork County Council Services.

The Wide Area Network is a key infrastructural component in the delivery of these services.

We are delighted to continue working with Exigent Networks as our managed services partner especially due to the networking knowledge and professionalism we have experienced from working with them over the past number of years.

Michael Murphy
Senior Executive Officer
ICT Department:
Cork County Council

Project Details:

About Cork County Council: County Cork covers an area of 7,459 square kilometres (2,880 square miles), which is 11% of the Irish State and makes Cork, Ireland's largest County. Cork County Council provides a range of services to 123,000 citizens in Cork including: Planning and Economic Development, Housing and Community Support, Roads and Transportation, Recreation and Culture

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 Networks 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:

Cork County Council has a comprehensive Wide Area Network which connects in excess of 100 office locations throughout the country. In parallel with this it also has invested in a Cisco IP telephony solution which allows inter office telephone calls with no call costs. Cork County Council needed to ensure that they were provided with 99.99% availability for the Council's microwave WAN and Cisco LAN & IP Telephony systems and that this operated as efficiently and effectively as possible supporting inter-office and public communication and services. To overcome this challenge a multi-year support contract has been put in place between Cork County



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The Solution:

Exigent Networks, Ireland's largest 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 based on SAF Tehnika and Proxim's microwave radio systems. The network was built to support the Council's voice, video and data requirements now and well into the future. The core of the network consists of a number of SAF CFQ 155Mbps links installed in a redundant ring configuration and then each town is connected using SAF CFM 34Mbps links to the 155Mbps core. Internally in each town, the bandwidth is distributed to the various offices and sites using Proxim's Tsunami and Radwin microwave equipment. The network covers the functional area of Cork County Council and the 9 town councils in Cork County and supports the applications that enable the Council to provide its services to the citizens of Cork County (including 2 islands off the west coast of Cork).

Exigent as part of the contract extension also supports over 2000 Cisco telephony endpoints as well as all the Cisco LAN and WAN infrastructure. We have invested heavily in the staff skills, replacement maintenance equipment and Vendor relationships to ensure we are in a position to fully support the Council's current network and to assist shaping their future network plans.

Microwave Wireless Equipment Supported:

- SAF CFQ 155Mbps
- SAF CFM 34Mbps
- Proxim Tsunami
- Radwin 2000 Series
- 120 PTP Links

Link Distances:

From 2Km to 67Km

LAN/WAN Equipment Supported:

- Cisco 6509
- Cisco Catalyst Distribution Network (3750 / 3560)
- Cisco WAN & IPT Network (2000+ Nodes)

Capacity of New Links:

2Mbps to 155 Mbps

EXIGENT
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