Ireland's leading backhaul dark fibre service provider

Aurora
TELECOM

Company Profile

Aurora Telecom is Ireland's leading backhaul dark fibre service provider. We own and operate a carrier neutral, open access dark fibre network with an ultra-high fibre count. Our network is the most modern, carrier grade, backhaul dark fibre network in Ireland and has been constructed using the latest fibre optic technology. It delivers superior performance and provides a reliable and secure base layer for carriers and enterprise to deliver their connectivity solutions.

Our customers are some of the largest companies in telecoms, online and social media, content, retail, financial and other industry sectors in addition to the government sector. We are a trusted service provider to Irish and global enterprises in these and many other sectors.

Aurora Telecom is a division of Gas Networks Ireland. We were established in June 2000 to utilise the duct infrastructure adjacent to the natural gas network. As the ducts and cable are laid adjacent to the pipelines, Aurora Telecom maintains a highly secure network infrastructure with an unbeaten record for the highest levels of network uptime / operational availability. As a division of Gas Networks Ireland, Aurora Telecom combines telecommunications expertise with that of advanced network design, construction, maintenance and project management.
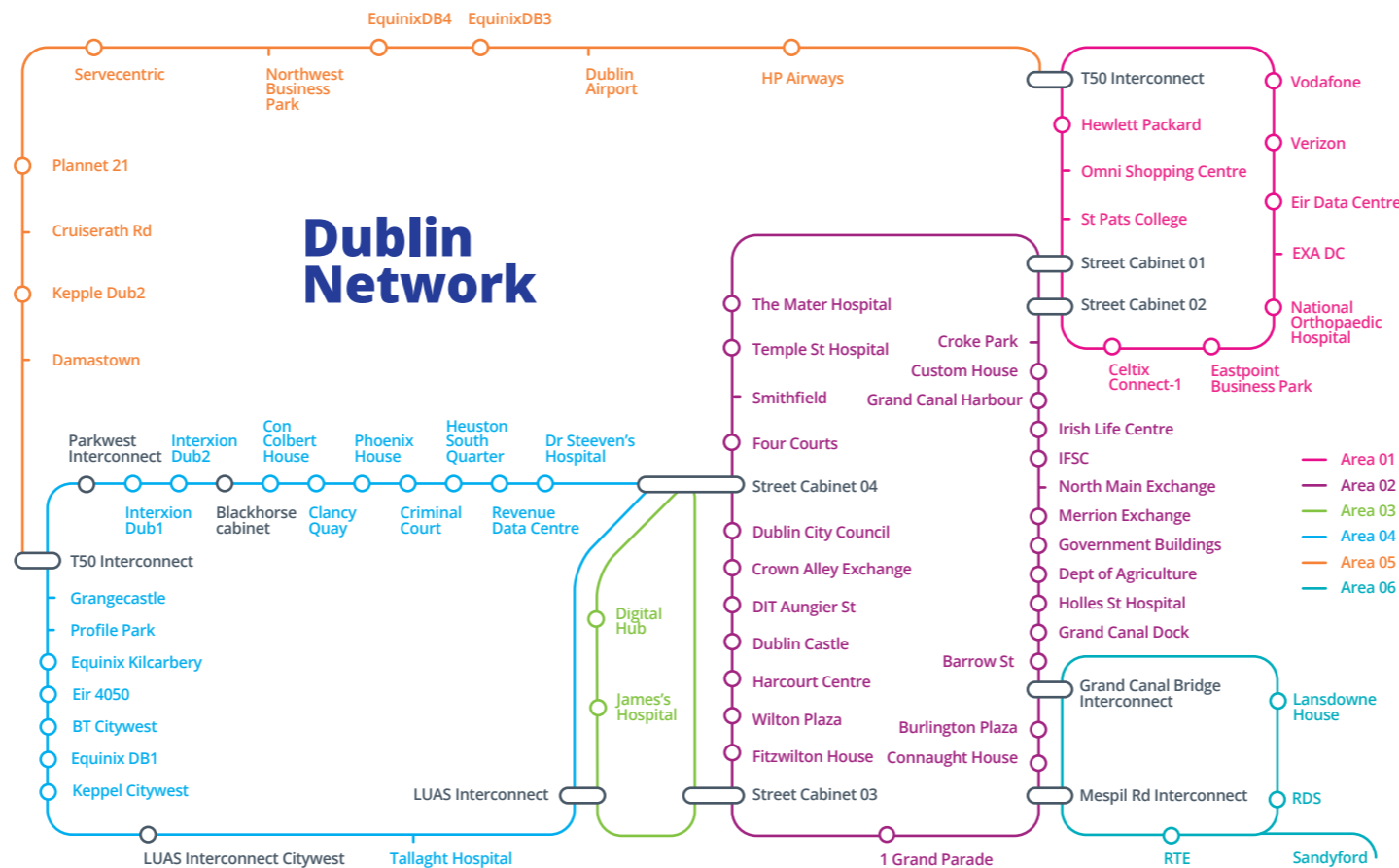
Our Network

Aurora Telecom's network is a carrier class network designed for multi-tenant utilisation. Its specification is of the highest quality with best-in-class security, resilience, performance and latency. It is particularly suitable for high capacity data transportation and international connectivity, making it the perfect solution for the fibre requirements of carriers, data centres and multi-national enterprises in addition to ensuring dedicated, un-metered and completely secure, high-speed fibre connectivity for corporations in Ireland.

National Network

Aurora Telecom owns and operates an extensive national backhaul fibre network which links Dublin to Galway via Athlone and Mullingar and to Cork City via Ennis, Shannon and Limerick. The network continues from Limerick to Dublin, via Cork Waterford and Carlow.

The national network also extends into Co. Mayo. We are continuing to invest in the network and planning new infrastructure from Limerick to Dublin.

Dublin Network

Aurora Telecom's Dublin Metropolitan Area Network has one of the most extensive dark fibre network footprints in Dublin. Through significant investment, we own and operate our own cable and fibre infrastructure which has enabled us to build true network resilience through our network's ring topologies. The network links the commercial centre with all business parks on the periphery of the city and provides network interconnection with all key data centres in the capital and with all available local, national and global carriers.

National Network

Existing network
New Line in Development

Killala, Crossmolina, Castlebar, Westport, Old Head, Ballinrobe, Ballinasloe, Athlone, Gort, Roscrea, Ennis, Shannon, Nenagh, Limerick, Charleville, Mallow, Cork, Youghal, Dungarvan, Waterford, New Ross, Carlow, Portlaoise, Blessington, Dublin, Loughshinny, Balbriggan, Ashbourne, Dunshaughlin, Mullingar, Tullamore

Dublin Network

EquinixDB4, EquinixDB3, Servecentric, Northwest Business Park, Dublin Airport, HP Airways, Plannet 21, Cruiserath Rd, Kepple Dub2, Damastown, Parkwest Interconnect, Interxion Dub2, Con Colbert House, Phoenix House, Heuston South Quarter, Dr Steeven's Hospital, Interxion Dub1, Blackhorse cabinet, Clancy Quay, Criminal Court, Revenue Data Centre, T50 Interconnect, Grangecastle, Profile Park, Equinix Kilcarbery, Eir 4050, BT Citywest, Equinix DB1, Keppel Citywest, LUAS Interconnect Citywest, Tallaght Hospital, Digital Hub, James's Hospital, LUAS Interconnect, The Mater Hospital, Temple St Hospital, Croke Park, Custom House, Smithfield, Grand Canal Harbour, Four Courts, Dublin City Council, Crown Alley Exchange, DIT Aungier St, Dublin Castle, Harcourt Centre, Wilton Plaza, Burlington Plaza, Fitzwilton House, Connaught House, Barrow St, 1 Grand Parade, Street Cabinet 04, Street Cabinet 03, T50 Interconnect, Hewlett Packard, Omni Shopping Centre, St Pats College, Street Cabinet 01, Street Cabinet 02, Celtix Connect-1, Eastpoint Business Park, Irish Life Centre, IFSC, North Main Exchange, Merrion Exchange, Government Buildings, Dept of Agriculture, Holles St Hospital, Grand Canal Dock, Grand Canal Bridge Interconnect, Mespil Rd Interconnect, Vodafone, Verizon, Eir Data Centre, EXA DC, National Orthopaedic Hospital, Lansdowne House, RDS, RTE, Sandyford

Area 01, Area 02, Area 03, Area 04, Area 05, Area 06

Products and Services

Dark Fibre
Aurora Telecom's core product is bespoke dark fibre. It is the perfect solution for businesses to strategically manage their network performance and control cost. It ensures virtually unlimited bandwidth capability at a fixed price over the term of the contract.

Aurora Telecom's bespoke dark fibre is high capacity, resilient and scalable. It provides the highest possible performance and maximum security. Customers light the fibre and maintain direct operational control of their network, and have the flexibility to deploy any service protocol. We offer truly open access dark fibre network with our carrier class network designed for multi-tenant utilisation. We ensure customers get the flexibility and control they need. The network solution can be designed to deliver point-to-point or point-to-multi-point configurations. Our Dublin and Shannon MANs provide dark fibre in ring topologies, ensuring resilience and ease of access. Our state-of-the-art network specification is particularly suitable for high capacity data transportation and international connectivity, making it the perfect solution for the fibre requirements of carriers / telecoms operators, international data centres, multi-national enterprises and companies investing in Ireland. It is also the perfect solution for large corporate and public sector organisations in Ireland.

Co-location
Aurora Telecom's facilities located at Point of Presence (PoP) sites on our national network have been designed to provide customers with highly secure co-location facilities. Customers can locate their hardware and equipment using our fully-serviced facilities, with services including power, data centre standard air-conditioning, 24/7 CMS monitoring Infra-red CCTV with active monitoring and high security levels. The facilities have been constructed to provide customers with a comprehensive dark fibre service, with a maximum spacing of 80km on the network.

Subsea Cable Interconnections
Subsea cables provide the vital network that allows data travel around the globe and Ireland has become a key landing site for these highly advanced fibre optic systems. Aurora Telecom provides the advanced terrestrial network that interconnects with key submarine landing points including IRIS, AEC1, AEC2 (Havfrue), Havhingsten and Celtic Connex.

Some of the key benefits of the Aurora Telecom model are:

Aurora Telecom Service

Aurora Telecom offers an end-to-end service that includes consultation, network planning, rapid deployment and comprehensive support. Our innovative installation methodologies have enabled us to provide a resilient, flexible and secure high bandwidth network solution. Aurora Telecom has a team of telecommunications experts who work closely with customers to understand their business objectives and deliver bespoke Dark Fibre and Managed Bandwidth solutions.

Superior Network Performance

Our network specification is of the highest quality and as a result, high performance and low latency come as standard. The fibre and joints are best-in-class with a technique, unique to our network, called fibre blowing utilised during construction. This results in a high performing and low latency network. We also utilise best-in-class joints to minimise optical losses and any operational disruption during routine maintenance. Our network utilises Corning fibre optic cable, the industry leader and preferred cable for network performance to support high-bandwidth applications.

Connectivity

We own and operate an extensive national backhaul fibre network and are continuing to invest in our network to support customer needs and to maintain our position as Ireland's leading open access, backhaul dark fibre service provider. We also own and operate one of the most extensive dark fibre networks in Dublin. Our Dublin MAN provides network interconnection with all key data centres and with all available local, national and global carriers.

Security and Resilience

Quality and resilience are at the core of our network proposition. As a dedicated private network infrastructure, it is highly secure. Our carrier grade network is tested and engineered to meet or exceed "five nines" high availability standards (99.999%). We provide very fast fault recovery through redundancy and our Dublin MAN is constructed in ring topologies to ensure industry-leading network redundancy.

The Aurora Telecom network ducts and cable are laid adjacent to the gas main pipelines and are more physically diverse, deeper and more secure than other network infrastructures. They also benefit from the standards applied to safeguarding high-pressure gas pipelines. Aurora Telecom's network has an unbeaten record in the industry, for the highest levels of network uptime / operational availability.

Our network's specification, innovative construction methodologies and maintenance procedures are best-in-class, resulting in a highly reliable and secure network service. We use in-house engineers and long-term civil and fibre contract partners for network construction and maintenance. In-house certified Fibre Characterisation Engineers with extensive qualifications and experience, ensure robust network testing and monitoring.

Bespoke Solutions

A dedicated fibre package ensures unlimited bandwidth and a network that is designed, built, operated and maintained to meet each customer's needs. We work with each organisation to develop and deliver the best solution for their business's requirements.

Scalable and Flexible

Our network provides the perfect foundation on which to build scalable, dark fibre based solutions. We ensure the highest possible levels of scaling speed, responsiveness and flexibility, enabling your business to grow network capacity as its bandwidth needs increase.

SLA and Support

We have a best-in-class service level agreement (SLA). We have a single point of contact for customer service and offer customers industry-leading support levels.

Deployment

We offer rapid installation at lower costs than traditional methods. We can also provide turn-key solutions for all future break outs and reconfiguration works. We respond quickly to requests with our knowledge and understanding of your technical needs.

Cost Efficient Solution

Our dark fibre enables customers to construct all connectivity, communications and business services at a fixed cost. We offer highly competitive pricing and our dedicated dark fibre solutions provide a much lower cost of ownership than standard telecom products, with a fixed price over the term of the contract. We can offer a range of commercial options including standard lease and long-term IRU agreements etc.

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