



O-NET

To address broadband connectivity issues, communities across Canada are developing their own fibre optic networks and service providers. O-NET is at the forefront of this new wave. Located in Olds, Alberta, we were the first to develop and deploy a community owned fibre network and triple-play offering to compete with incumbents. Our organization focuses on developing local tech resources, generating economic growth, and ensures subscribers receive the highest quality of services and support. Since launching in 2012, O-NET has become the leading example for communities with the desire to ensure residents and businesses have the connectivity needed for technology.

The fibre-to-the-premise network was installed throughout the entire community to service residents and businesses. The fibre network provides access to 4000 homes and 300 brick and mortar businesses. O-NET offers IPTV, phone/PBX, video security, and gigabit Internet.

Networking Challenges

The installation of the state-of-the-art network was almost exclusively a brownfield deployment. 95 percent of home and buildings serviced by the network were built prior to Cat5 being the wiring standard. This meant that the majority of homes lacked the wiring infrastructure to deliver their IPTV and Gigabit services.

O-NET calculated the tangible and non-tangible costs associated with rewiring every subscribers' home with ethernet. These included:

- Increased contractor rates and wages
- Increased material costs
- Longer installation times
 - Reduced install capacity
 - Slower growth is less capacity
 - Lost revenues
- Poor customer experience from a more disruptive installation and the requirement to take a full day off work

O-NET was in desperate need of a technology that enabled them to utilize existing coax or copper wiring in homes.

Why Wi3 Inc?

O-NET chose Wi3 Inc to strengthen the network within the home. Wi3's WiPNET product uses MoCA (Multi-Media over Coax) to transport Ethernet signals over coax. It enables O-NET technicians to utilize existing wiring in homes and businesses. Wi3's MoCA products, utilizing MoCA 2.0, enable O-NET technicians to install units anywhere there is a coax termination point. In addition, Wi3's enhanced Phy Rate table enables technicians to evaluate the network for weak points prior to install completion. This reduces potential service calls and future truck rolls.

O-NET

Olds, Alberta Canada