Broadband Fixed Wireless systems using LTE technology, such as the Laguna system from Cable AML, can provide COST EFFECTIVE high-speed Wireless Internet access to hundreds of customers at distances in excess of 20Kms.

The fixed wireless system shown in the photo covers a complete city and some of the surrounding semi-rural areas with a Laguna system operating in the 2.5 GHz band. The system configuration consists of four 90 degree sectors to provide a complete 360 degree azimuth coverage. It provides 118 Mbps throughput per sector for every 20 MHz of available channel bandwidth in the TDD mode.

The system provides subscribers with basic IP connectivity with a wireline-like user experience and it allows Layer 2 VPN or Carrier Ethernet services for business and enterprise users. The system’s modular approach allows for gradual deployment to maximize bandwidth availability over specific areas of high concentration of customers.