

AFL FTTH Network Enables Voice, Video and Data Services for NewBridge on the Charles Retirement Community

Summary

AFL provided an end-to-end turnkey GPON network solution to support this expansive continuous care retirement facility in the Greater Boston area.

Challenge

NewBridge on the Charles is a state-of-the-art retirement community in Dedham, MA, spread out over several buildings. They desired to offer cutting-edge technology for their residents which required a network that would support voice, video and data services to each resident regardless of their location on the campus. A Fiber-to-the-Home (FTTH) network was the optimal solution.



Solution

AFL, in partnership with Alcatel-Lucent, engineered a GPON passive optical network to utilize the fiber optic cable installed throughout the campus. All three services—video, voice and data—were aggregated in a central location and delivered through the network to each residential unit. A GPON device was installed in the residential unit to allow all the services to be separated according to the layout of each unit and the specific needs of the residents.

Results

Each residential unit has fiber optic cable connecting it to the network. Through the use of intelligent electronics, all services are delivered across the GPON fiber network to each residential unit. The residents can now receive all three of these services across a highly stable and capable network. A campus-wide WiFi network was also created and uses the same network. This resulted in cost savings to the property owner and a higher sense of cutting-edge capabilities for the residents.

