

Better Cell Signal Keeps Tenants and Key Systems Connected in Montreal Condo

When it comes to luxury condominium buildings, tenants want top-of-the-line amenities: doorman, views, gyms, lounges, outdoor terraces, and more. Developers spare no expense because of these high-end demands and you'd think best-in-class cellular connectivity would be part of the package, but not always. In fact, with floor-to-ceiling glass windows covering many modern condo buildings, cellular signal is often compromised. That was the case with a newly built luxury condo in the center of downtown Montreal.

THE CHALLENGE

As the condo neared its grand opening, the building's key systems were not functioning due to lack of cellular service. The glass windows and doors that covered the building interfered with the signal that drove the building's intercom, security and elevator telephone systems, even though the antennas operating these systems were located just a few feet from the glass doors. When the glass lobby doors were open, the cellular signal was a strong -60 decibels, but as soon as it closed, the signal fell dramatically to -120 decibels.

Further complicating the situation was a tight deadline and the fact that all of the fixtures and marble floors had already been installed, meaning installation would need to be handled carefully.

THE SOLUTION

Needing a quick fix, the building developers contacted a WilsonPro Certified Installer for a custom solution for their connectivity issues.

The installer met with architects and engineers to locate the best spot for a donor antenna (outdoor antenna). They pinpointed a spot on top of a parking garage behind the building where they could run a low-loss



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cable into the ceiling of the condo building's lobby. From there, the installer could run the cable into the security room where most of the affected equipment was stored.

In the security room, they installed a WilsonPro cellular amplifier system, which provided enhanced cell service every user in the building no matter their cell carrier.

THE RESULTS

After installation, all critical systems inside the building were up and running just in time for the opening. The signal inside the building was enhanced to approximately -50db, far improved from the -120db the lobby received before the project began. The WilsonPro solution uses passive DAS technology, which can be up and running within days when compared to active DAS. It's also a lower cost solution and boosts cell signal for all carriers. Now tenants in this condo building can experience faster data speeds, clear voice quality and reliable cell signal.