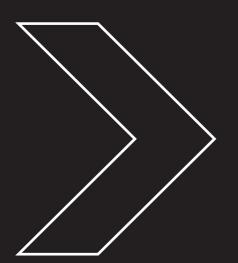
WZC | CASE STUDY



Meijer - Public Safety DAS

Grid testing, design, installation, AHJ approval, and commissioning of ERCES (Emergency Responder Communication Enhancement Systems) for new store deployments.

Project Scope

Grid testing, design, installation, AHJ approval, and commissioning of ERCES (Emergency Responder Communication Enhancement Systems) for new store deployments.



Project Results

For all new stores, Meijer requires a Distributed Antenna System (DAS) including a PSN (Public Safety Network) with the installation. The project kicks off with a grid test to determine frequencies and signal levels. The Pre-Site Grid Test will drive the preliminary design and develop technology specific link budgets, initial antenna placements, possible cable pathways, a detailed Bill of Materials and RF output maps.

WZC Networking will complete the prefabrication and testing process of the passive infrastructure and will handle delivery of all active components. Our technicians stage and preconfigure all equipment pre-installation.

To fully complete the installation of the DAS, the WZC team provides shop drawings of the cabling system, antennas, splitters, and couplers design. Our technicians lead the installation of ERRS system including donor antenna, BDA, BBU. The former ERRS system is decommissioned, and PDR cable tests are provided as well as the as-built documentation. The complete system is tested per NFPA specification, and the system is optimized per results of testing.

Once the system is installed per the design, WZC Networking will do system commissioning to verify RF and optical cable performance, optimize system settings, and measure system output levels as compared to the expected values. The final step includes AHJ signoff.



Customer Bio

Meijer was founded as a family-owned grocery store in 1934 just after the depression. The Grand Rapids, MI headquartered company had annual sales of \$16.1 billion in 2015 and has around 77,000employees. Meijer operates over 300 stores throughout Michigan, Ohio, Indiana, Illinois, Wisconsin and Kentucky. The supercenter stores offer groceries Ashwell as departments such as fashion, automotive, home décor, health and beauty care, pharmacy, electronics, and banking. Meijer pioneered the idea of superstore when, in 1962, it opened its first "Thrifty Acres," a food and general merchandise store that allowed customers to shop for everything they needed with just one trip to the store.

