



# Consolidated Forensic Laboratory (CFL)

Case Study: Public Safety Distributed Antenna System (DAS)

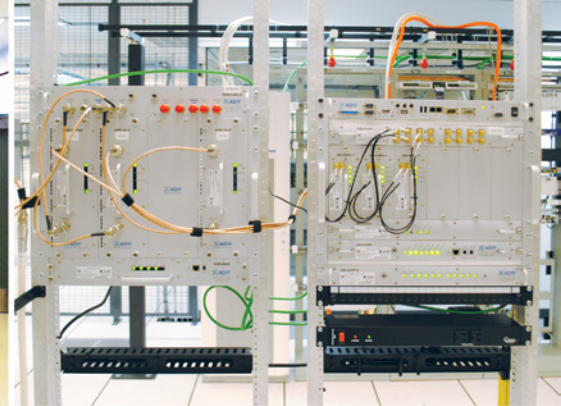
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# Consolidated Forensic Laboratory

## Case Study

“ADRF deployed a system providing complete coverage throughout the building. It’s an understatement to say that I was very relieved that my officers and scientists didn’t have to start working without adequate radio access.”

**Department of General Services (DGS)**



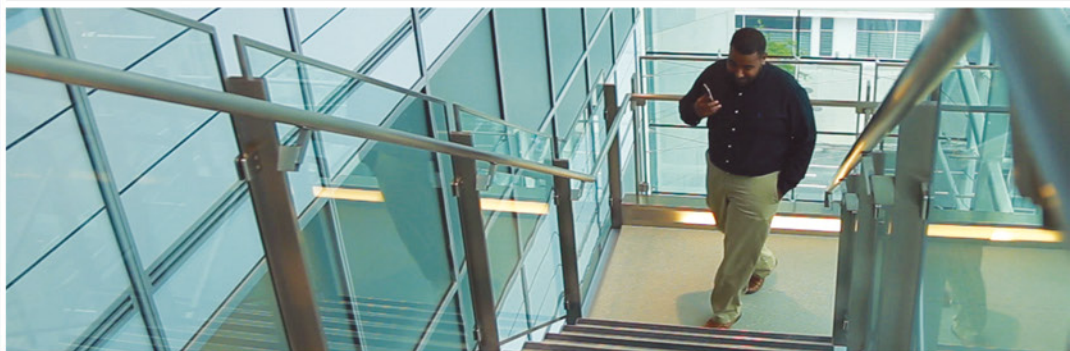
### Overview

ADRF was tasked with improving the Public Safety radio coverage at the Consolidated Forensic Laboratory (CFL) in Washington, DC. The 287,000 square foot, state-of-the-art facility plays a vital role in advancing and improving public safety, homeland security, criminal investigations and public health in the District of Columbia. Considering the mission-critical functions of the facility and its tenants, robust Public Safety radio coverage was deemed essential throughout the facility.

### About ADRF

**Advanced RF Technologies, Inc. (“ADRF”)** is an established, leading provider of in-building equipment and services that improve wireless coverage and capacity for the largest service providers and enterprise customers around the world.

ADRF’s product suite encompasses repeaters, distributed antenna systems, small cells, antennas, and passive components. ADRF offers complete, custom-designed turnkey solutions for wireless carriers, enterprise and public safety entities. We leverage our substantial wireless industry experience and in-building expertise to give our customers a seamless experience. ADRF is proud to be certified as a Minority Business Enterprise (MBE) and a Women’s Business Enterprise (WBE) and has achieved TL 9000 and ISO 9001 certifications. We are also a member of the HetNet Forum as well as the Northeast DAS Forum.



### Goals & Process

ADRF’s objective was to design and deploy a future-proof indoor coverage solution in the 700 MHz, 800 MHz and UHF bands. In addition to targeting coverage and performance requirements, we aimed to keep the project within our customer’s budget and schedule.

ADRF gathered essential data on the DC Public Safety radio system and designed an integrated indoor DAS solution for CFL. We also managed the entire lifecycle of the project, starting with these preliminary phases and through installation, commissioning, and testing.

### Solution & Outcome

The system is comprised of fiber optic DAS, RF bi-directional amplifiers, antennas, and passive components, all designed and manufactured by ADRF with the highest reliability to provide the uptime necessary for mission-critical services.

ADRF delivered a cutting-edge solution that provides enviable coverage for the required services, on time and under budget. Moreover, the best-in-class modularity of the ADX DAS platform enabled a leading Commercial Carrier to seamlessly and cost-effectively join the existing Public Safety DAS.

