There are now more wireless devices used in the United States than there are people. And people expect to have service when and where they need it. But dense buildings, crowded urban areas and rough terrain can all result in degraded service and limited capacity, which means lost revenue to carriers, and more importantly, a safety hazard for the public and First Responders.

For large buildings, where wireless signals can’t penetrate adequately or where more capacity is needed, a distributed antenna system (DAS) can provide an effective means of improving wireless service provider (WSP) coverage and quality. A DAS is essentially a set of low-powered antennas installed inconspicuously where added signal or capacity is needed and connected to an equipment hub, or head end, utilizing a vertical fiber backbone.

RCC Can Improve Wireless Coverage in Your Facility
RCC designs, tests and manages implementation of DAS solutions for building owners, wireless carriers, public safety agencies, transportation agencies and higher education campuses across the country.

Working with our clients, we develop the best solution to boost network capacity and coverage based on building layout, traffic patterns, network infrastructure and other factors.

RCC can help you with:
- Site Surveys and Examination of Building Layouts
- Determining Coverage Requirements
- Feasibility Analysis
- FCC Regulatory Support
- DAS Design and Validation (iBwave® Design Level 3 Certified)
- RFP Development
- System Integrator Selection
- Contract Negotiations
- WSP Agreements
- System Testing and Optimization
- Project Management and Oversight
- Complete Documentation
WHY CHOOSE RCC?

RCC will help you plan and implement distributed antenna systems that meet your needs, today and tomorrow.

We differentiate ourselves in three key areas:

EXPERIENCE

For nearly 30 years, RCC has helped our clients solve their most complex communications problems. With more than 4,000 successful projects, our teams are some of the most experienced in the industry, and use the latest technologies to maximize return on investment for our clients.

TECHNOLOGY

Our broad range of technical expertise includes the assessment, planning, design, procurement and implementation of everything your agency will need to enhance in-building coverage. Our engineers are trained and experienced in all aspects of DAS solutions.

INDEPENDENCE

RCC is completely neutral, unbiased and independent, focused only on providing the best custom solution for you.

RCC Consultants – Providing exceptional communications consulting since 1983.

RCC HELPS FACILITY OWNERS ENHANCE COVERAGE

RCC works with many system integrators and all major DAS component manufacturers, but we are one of the only consulting firms that provide in-building coverage services focused for the facility owner. Some of our experience with DAS includes:

New York City: RCC consulted on the implementation of DAS in buildings throughout the City, from the Time Warner Center to luxury high-rises such as MiMa, One Madison Park and Gotham West.

Jacob K. Javits Convention Center: RCC is helping enhance coverage throughout the facility, with a short-term WSP coverage solution and a long-term, 3rd party neutral host DAS.

World Trade Center: RCC designed a first responder DAS for the World Trade Center Transportation Hub that provides seamless radio coverage from track levels to the street for the Port Authority of New York and New Jersey, the NYPD, FDNY and EMS.

JetBlue: RCC helped provide seamless radio coverage throughout the JetBlue terminal at JFK Airport.

Virginia Department of Transportation: RCC ensured sufficient cellular coverage throughout VDOT’s new Administration Building with a neutral host in-building wireless system.

Charlottesville-UVA-Albemarle County Emergency Communications Center: RCC assessed deficiencies in radio coverage for 75 local government and private buildings, and drafted an RFP for a turnkey in-building DAS solution.

More Services for Facility Owners

In addition to DAS consulting, RCC’s experts help facility owners find telecommunications tenants, negotiate lease agreements, manage billing and collections, handle operational issues and maintain sites - from landscaping and road maintenance to emergency repairs. We also design and construct wireless sites to support cellular, PCS, paging, fixed and mobile broadband networks.

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