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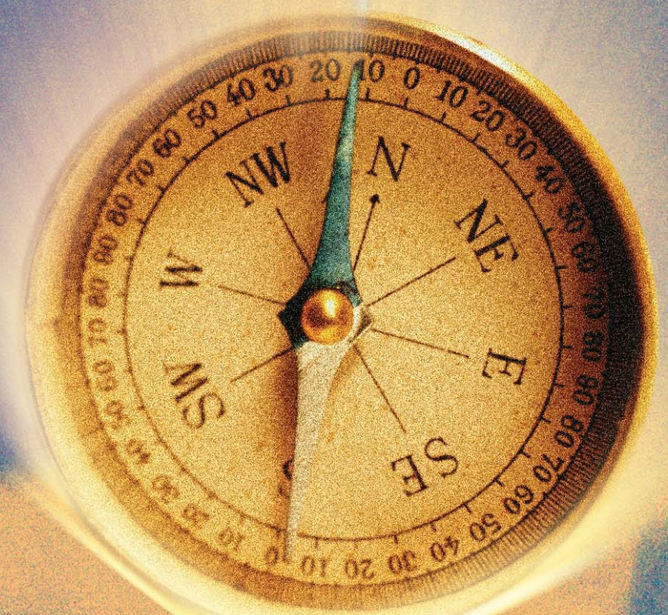


knowledge and experience guiding the way

RCC Consultants, Inc.

corporate overview

Committed Service Since 1983

Founded in 1983, RCC Consultants, Inc. has helped clients plan, design, and implement innovative solutions to complex communications problems. As a global leader in the rapidly growing and converging wireless and wired voice/data communications industry, RCC's focus is on the efficient application of wireless and wired communications and information technologies.

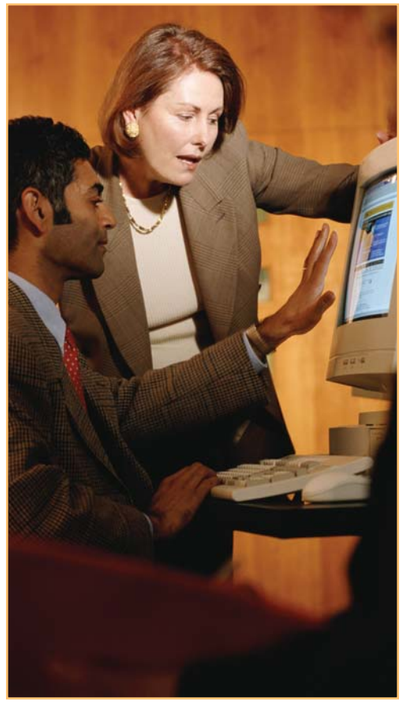
We are working hard to make the implementation of complex communications and information technologies easier for our customers. RCC's consultants and engineers have experience and technology expertise to help our customers advance a telecommunications business concept or project from a strategy, to a tactical plan, through procurement and implementation to full operation.

A Tradition of Strong and Sustainable Customer Partnerships

RCC is dedicated to providing total commitment to serving our customer's needs, delivering superior technological solutions and business results, demonstrating unparalleled integrity, ensuring execution excellence, and fostering sustainable and productive business partnerships.

RCC serves a global customer base that includes:

- Public Safety Agencies
- National/State/Local Governments
- Wireless Network Operations
- Transit
- Utilities (Electric, Gas, Water)
- Healthcare Facilities
- Special Authorities
- Manufacturers
- Retailers
- Oil & Gas Production and Transportation
- Institutions of Higher Education
- Airports & Ports
- Transportation Agencies
- Real Estate Owners and Managers



Knowledge and Experienced-Based Competence

RCC delivers superior value to its customers by leveraging its knowledge of wireless and wired telecommunications technologies and its expertise in providing engineering, consulting, software development, engineering tools, project management, operational support and outsourcing services. RCC has a proven track record of helping clients solve complex problems more efficiently.

RCC's full time staff of more than 100 consultants and engineers have a rich variety of experience and qualifications. The group includes licensed Professional Engineers (PE's), certified Project Management Professionals (PMP's), public safety communications professionals (including Emergency Number Professionals), and individuals with training and professional certifications on the design and operation of all major technology platforms. Senior radio engineers are veterans of the industry and have an average of 20 years of directly relevant experience in the application of wireless communications technologies.

RCC staff are frequent contributors to and participants in nationally recognized industry and standards setting organizations such as the Telecommunications Industry Association (TIA), Institute of Electrical and Electronic Engineers (IEEE), and the American National Standards Institute (ANSI). RCC staff are sponsored to participate in regulatory advisory groups, such as the FCC National Coordinating Committee for 700 MHz. RCC's support of these types of organizations involves more than just staff membership. RCC provides professionals to participate in working groups and technical committees of professional and standards setting organizations. In addition, RCC has written a number of standards that have been adopted by the Institute for Electrical and Electronic Engineers (IEEE).

RCC professionals routinely publish papers on a wide range of subjects relating to the industry and are frequent presenters at conferences and symposiums.

Innovative Tailored Solutions

Rapidly converging voice, video, and data technologies know no boundaries. RCC's custom consulting and engineering services ensure that our clients' needs are met on time and within budget, from identifying user requirements and developing concept designs, to detailed design and specifications, though procurement and implementation. RCC's custom work plans are designed to meet the client's specific needs. At the foundation of every client's relationship with RCC is a precise, disciplined approach to innovative, tailored solutions.

RCC Services Include:

- Development of strategic plans for the application and implementation of new and emerging technologies, including establishing goals and objectives, needs assessments, technology evaluations, risk analyses,and staffing reviews.and management reviews.
- Investigation and development of funding methodologies and financial analyses to assist in justifying recommended solutions. Assistance in identifying and obtaining grants in support of technology initiatives.
- Assisting with the regulatory approvals needed for licensure of wireless systems, antenna sites, and other facilities. An essential component of this service is radio frequency research and acquisition.
- Preparation of detailed specifications and procurement documents for data, voice, video networks, emergency communications and operations centers, within a single building, campus, countywide, statewide or nationwide environment. Assistance in negotiating contracts and service level agreements favorable to our clients.
- Implementation support and installation oversight that ensures that work is completed correctly, according to the specifications, on time and within the established budget.

Expertise That is Unmatched in the Industry

RCC has a strong commitment to provide the business and technical expertise to help our clients achieve their goals. RCC combines time proven consulting and engineering practices with the flexibility to take advantage of the rapidly changing technology arena. RCC's specific expertise in these areas is depicted in detail in the following table:

Private Telephone Networks

- PBX, Voice Mail and ACD Administration
- Performance and Capacity Management
- Call Accounting Service Bureau
- Solicitation Development and Management
- VoIP Design & Engineering

Wireless Communications Systems

- VHF, UHF, 700MHz, 800MHz & 900MHz
- Analog, Digital and Simulcast Systems
- 802.11x Technology Support
- LMDS/MMDS Design
- Cellular & SMR Telecommunications

Microwave and Fiber Optic Systems

- Analog & Digital Microwave Design
- Analog/Digital Interface and Conversion
- Microwave Propagation Modeling
- Fiber Optic Network Engineering

Public Safety Emergency Telephone Systems

- E9-1-1 Emergency Telephone Number Systems
- 3-1-1 Telephone Systems
- Automatic Call Distributor Systems

Network Services

- Business Case and Strategic Planning
- Network Planning, Engineering, and Construction Network Optimization and Management
- Public/Private Partnerships and Affinity Services

Data Network Systems Design and Engineering

- Master Planning
- Internet Protocol (IP) Based Systems
- Network Engineering and Design
- Voice, Data, & Video Structured Cabling
- Wireless Data

Communications Dispatch Centers Planning And Facilities Design

- Telecommunications Staffing Analysis
- Architectural Support for Facilities
- Dispatch Center Operation/Mgmt Studies

Communications Tower Planning And Facilities Design

- Site Development
- Lightning Protection, Grounding and Bonding
- Equipment Building Design
- Backup Power & Automatic Fire Suppression

Intelligent Transportation Systems

- Traffic Management Systems
- Highway Advisory Radio Systems
- Mass Transit Communications Systems

Mobile Data Systems

- Mobile Data Computer (MDC)
- Automatic Vehicle Location (AVL)
- Geographic Information Systems (GIS)

Unrivaled Experience

RCC professionals offer unrivaled experience and expertise to our clients through a broad range of mission critical industries, geographies, and technology platforms. This focused approach enables us to better understand our clients' unique requirements, technology goals and their unique operational environment.

RCC has developed strong long-term relationships with local, regional, state and national governments, public utilities, energy and transportation companies, manufacturing companies, institutions of higher education as well as private businesses and industry. Drawing on the diverse staff at RCC, we have helped over 1,000 clients achieve their project goals.

From this experience, we have refined a set of proven and reliable methodologies. These are useful concepts that we employ in our work every time.

We hire only the best and brightest consultants and engineers. Our first-rate staff brings a unique mix of engineering expertise and industry experience to our clients.