

# Manuel A. Ojeda

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## Education:

### Master of Telecommunications Degree

George Mason University, Fairfax, Virginia

### B. S. Electrical Engineering

George Washington University, Washington, D.C.

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## Professional Experience:

### CTO & Director, Morcom International, Inc. (2021 - Present)

Brings vast experience in critical communications, leveraging key industry, technologies and government relationships.

- Develops innovative solutions to meet customer needs.
- Provides effective leadership and mentorship to new executives and engineers.
- Contributes to the definition and implementation of the company's strategic goals.
- Contributes to the continuous improvement and growth of the company's offerings.

### President, Morcom International, Inc. (1998 - 2021)

Provided solid management in finance, operations, and technical expertise in wireless communications for the company's growth.

- Managed technical and administrative personnel.
- Supported key customer accounts with highly sensitive federal government agencies.
- Successfully completed numerous projects with a record of satisfied customers.
- Led teams in the design, support, and implementation of various telecommunications systems.

### Advisory Board Member, Fulton Financial Corporation (2015 - 2021)

Served as an "Ambassador" of Fulton Bank to develop business and generate goodwill within the community.

- Informed about Fulton Bank products and services.
  - Recommended new members for Advisory Board positions.
  - Attended all regularly scheduled meetings of the Board.
  - Supported and recommended ways to help the Bank fulfill its Mission Statement, Strategic Plan, and Customer Promise.
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## Key Skills:

- **Wireless Communications:** Design and implementation of radio, ground-to-air, satellite, microwave, defense communications systems, computer networks, Wi-Fi, and in-building wireless networks.
  - **Project Management:** Proven ability to accomplish project goals, manage teams, provide user training, and ensure customer satisfaction.
  - **Business Development:** Skilled in identifying new business opportunities, proposal preparation, and guiding the team towards successful capture of new business.
  - **Regulatory Expertise:** Familiar with FCC regulations, NFPA-72 and NFPA-1221 regulations, and security methods in wireless communications.
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## Professional Memberships:

- Institute of Electrical and Electronics Engineers (IEEE)
  - Armed Forces Communications and Electronics Association (AFCEA)
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## Selected Projects:

- **Maritime Object Tracking Device (MOTT):** Program Director for the U.S. Coast Guard MOTT project, develop device that uses AIS to broadcast location information.
- **Secure Monitoring System:** Chief Architect for Enhanced Radio Communications Systems (ERCES) monitoring system for the Office of Unified Communications (OUC) in Washington, D.C.
- **Distance Learning Wireless System:** Program Lead for outdoor 802.11ac and CBRS wireless coverage for disadvantaged communities in Arlington County Public Schools.
- **Wi-Fi System for DC Water's Blue Plains Facility:** Project Director for design and implementation of a campus-wide industrial Wi-Fi system.
- **DAS for DC Water's Blue Plains Facility:** Project Director for contract negotiation, design and implementation of a large underground DAS.
- **Prince William County Water Authority:** Project Director for designing a high-capacity PTP and PTMP microwave communications system.
- **UHF-AM Radio Transceiver Design:** Lead designer for vehicular/fixed installation operating in the military 225-400 MHz band.
- **Public Safety DAS Code Development:** Lead engineer for Arlington County, VA in developing new ERCES code for the County.
- **NOAA CDMA Overlay Design:** Project Director for NOAA Data Collection System transmitter using the GOES satellite.

- **Jamestown Ferries Wi-Fi Surveillance System:** Designer of solution for VDOT ferries.
  - **ISCS Terminals for WMO SIDS Project:** Project Manager for the supply, installation, and training in the Caribbean SIDS Project (Weather Information Workstations).
  - **Multichannel Coherent Tuners for U.S. Navy:** Project Manager for SPAWAR Direction Finding (DF) system for use by the U.S. Navy.
  - **Simulcast Public Safety Radio System for Smyth County (VA):** Project Director for design and implementation of a county wide first responder LMR radio network.
  - **Two-Way Radio Communications System for Montgomery County Public Schools:** Project Manager.
  - **UHF Tower Mounted Repeater Antennas Replacement:** Project Manager for Prince William County.
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### **Current Projects:**

- Leading the design phase of two large design-build projects for U.S. Department of Energy, including a Distributed Antenna System and an advanced Alert and Notification System.
  - Actively involved in 5G and CBRS projects, including distance learning, Smart Cities, and Public Safety applications.
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### **Technical Expertise:**

- **RF Systems Design:** Specialized in RF propagation, interference, system parameters, frequency planning, and intermodulation analysis.
- **Security in Wireless Communications:** Knowledgeable in security methods and encryption facilities.
- **Air-Ground Communication:** Expert in the architecture and design of ground-to-air communications systems.
- **Weather Information Systems:** Experienced in designing and implementing Automatic Weather Observation Systems for airports.