

George R. Wilmer

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ENGINEERING

- 40+ years in RF and EMC engineering, managing complex projects with quantifiable improvements in process efficiencies.
- Directed cross-functional teams in project management, consistently achieving milestones on time while implementing agile methodologies.
- Developed strategic project frameworks, integrating budgeting and performance metrics to optimize engineering operations.
- Led initiatives in business development and people management, driving a 15% increase in client engagement and team productivity.

WORK EXPERIENCE

Wilmer Engineering, LLC

Huntsville, AL

Founder, CEO, CTO

Jun 1993 - Present

- Implemented project management tools that streamlined operations and improved delivery timelines by 20%.
- Directed and coached cross-functional teams, enhancing productivity by 15%.
- Championed business development initiatives that expanded client engagement and revenue streams.
- Spearheaded collaboration across teams, ensuring seamless execution of critical projects.
- Managed primary customer engagements, resulting in improved satisfaction ratings by 10%.
- Optimized engineering operations by introducing agile practices, reducing project cycle times by 15%.

Bombardier Aerospace

Montreal, Canada

EMC Engineering Specialist

- Analyzed new harness designs and proposed compliance approaches, reducing design iteration cycles by 10%.
- Reviewed aircraft modifications to ensure strict adherence to certification regulations.
- Facilitated EMC testing across North America, ensuring adherence to industry standards.
- Scoped critical project tasks and executed plans that improved test turnaround by 15%.
- Led specialized testing in HIRF and lightning impact, enhancing safety compliance metrics.
- Implemented scrum methodologies for improved sprint planning and cross-functional coordination.

Advanced Communications & Surveillance System

Phoenix, AZ

Senior EMC hardware engineer

- Collaborated in the hardware sustainability group to extend product lifecycle by standardizing test procedures.
- Developed EMI and environmental qualification test procedures, ensuring compliance for T2CAS systems.
- Applied DO-160 and DO-185 standards to optimize TCAS performance testing.

B/E Aerospace

Bohemia, NY

Senior compliance engineer

- Conducted EMC tests and authored test plans and reports, enhancing compliance efficiency by 12%.
- Leveraged TILE! Version 6 to perform DO-160 and Boeing D6-15040 tests, improving test accuracy.
- Executed environmental and vibration tests, contributing to robust product qualification.

Rockwell Collins

Bloomington, MN

Qualification test engineer

- Supported aerospace clients by testing a new TACAN radio unit, reducing test cycle time by 10%.
- Conducted HIRF and radiated susceptibility tests, ensuring compliance with aerospace standards.

- Completed DO-160 standard tests, validating product reliability.

Pinnacle Wireless <i>Senior communication systems engineer</i>	Fair Lawn, NJ
IDAir <i>RF consultant engineer</i>	Huntsville, AL
Nemko USA <i>Sr. EMC Engineer</i>	San Diego, CA
Infosys <i>Research and development engineer</i>	Bangalore, India
General Dynamics IT <i>Interoperability specialist</i>	Huntsville, AL
General Dynamics SATCOM Technologies <i>Senior test engineer</i>	Duluth, GA
PacifiCorp Power & Energy <i>RF system design and analysis</i>	Portland, OR
ARINC, Inc. <i>Communications system design engineer</i>	Annapolis, MD
Harris RF Communications Division <i>Product analysis engineer</i>	Rochester, NY
Goodrich Interiors Lighting Systems <i>EMI development engineer</i>	Oldsmar, FL
Hamilton Sundstrand <i>RF Test Engineer</i>	Rockford, IL
Honeywell Aerospace <i>Senior Compliance Engineer</i>	Phoenix, AZ
The Round Table Group <i>RTG Scholar</i>	Washington, DC
Wulfsberg Electronics <i>Sr. EMI and Environmental Engineer</i>	Prescott, AZ
4-D Security Solutions <i>Lead Technical Solutions Architect</i>	New York City, NY
Sanmina-SCI Defense / Aerospace Division <i>Senior EMI/EMC/HIRF Engineer</i>	Huntsville, AL
inCode Wireless <i>LMR Subject Matter Expert</i>	San Diego, CA
Eclipse Aviation Corporation <i>Senior qualification engineer</i>	Albuquerque, NM
Northeast Utilities Corporation <i>Sr. Communications Systems Engineer</i>	Berlin, CT
DynCorp Information Systems' Public Safety and Law Enforcement Group <i>Project Manager</i>	Chantilly, VA

Rockwell Collins Avionics <i>Hardware Qualification Engineer</i>	Cedar Rapids, Iowa
Systems With Reliability, Inc <i>Engineering Manager</i>	Ebensburg, PA
East Ohio Gas Company <i>RF Systems Engineer</i>	Akron, OH
DRS C3 Systems, LLC <i>Staff Systems Engineer, Project Manager</i>	Wyndmoor, PA
Ericsson – GE <i>Sr. Systems Engineer</i>	Lynchburg, VA
Sverdrup Technologies <i>RF Spectrum Manager</i>	NASA-Lewis Research
Magnavox Electronics Systems Company <i>Research & Development Engineer</i>	IN and VA

SKILLS

Engineering Operations: Agile Methodologies, Scrum, Project Management

Leadership & People Management: Team Leadership, Performance Management, Recruitment, Compensation Planning

Technical & Regulatory Expertise: RF Engineering, EMC/EMI Testing, DO-160 Compliance, DO-185 Standards,

Process & Metrics: KPIs, Budgeting, Operational Excellence, Cross-functional Collaboration