
TECHNICAL & BUSINESS WRITER

Results-driven senior level Technical Writer and Editor with excellent experience in electrical engineering and mechanical process planning seeking science & business writing clients and projects. Demonstrated success writing industry white papers, developing process specific training, technical subject matter research and conducting expert interviews. Well versed in interdisciplinary collaboration & leveraging process improvement tools and technical skills with cost & schedule cognizance. Expertise in:

- Request for Proposal/Quote (RFP/RFQ)
- Process investigation & development
- Document Control & Change Management
- Six Sigma & Lean Manufacturing
- Earned Value Management System(EVMS)
- Critical Chain/Critical Path Methodology
- Integrated Master Plan/Schedule (IMP/IMS)
- Engineering Research & Development
- Standard Process Development & Planning
- MS Office Suite, Minitab, Visio, MS Project

Experience

Northrop Grumman

Redondo Beach, CA

Technical Writer/Researcher

2009 -2011

- Researched Value Engineering, Design to Cost, Target Costing and other Enterprise Cost Management methods
- Developed in depth white paper detailing DTC, implementation methods, software, and process resources
- Evaluated alternative parametric software packages including trade study analysis & subject matter expert interviews
- Developed standard mechanical process planning formats and in-house SAP employee training

Raytheon Space Systems

El Segundo, CA

Raytheon Six Sigma Expert

2006 – 2009

- Managed subject matter expert team to develop robust standard bidding process including all document reviews
- Wrote compliant documentation and integrated training program for new bidding process
- Reviewed, edited, and updated technical documentation as member of Engineering Control Change Board
- Managed 20 engineers (2 shifts) to complete system integration and testing of space based sensor systems
- Developed WBS, coordinated team tasks & resource allocation for successful completion of flight test equip. integration
- Directed daily Critical Path activities to assign tasks for engineering development, manufacture, and drawing release

Sr. Physics Engineer III

2005 - 2006

- Developed Integrated Master Plan (IMP) and Integrated Master Schedule (IMS) on \$500K+ projects
- Managed Build History Book (BHB) lien and corrective action (CA) closure team
- Directed technical interchange discussions between internal technical engineers, suppliers, and sub-contractors
- Communicated project status, resource allocation, and issue resolution to DoD external customers
- Led team of 6 engineers (as sub-IPTL) to complete final integration of space-based sub-system
- Facilitated engineering development, coordination of manufacture of ground installation equipment, and completion of detailed production process documentation.

Physics Engineer II

2002 - 2005

- Created 2 year cumulative final report for high energy laser research & development project (\$350K+)
- Directed engineering development, characterization, & evaluation of fiber laser devices
- Co-authored Photonics West 2003 paper on phased fiber coupling process using earth-doped crystalline fiber

Education

Oregon State University, Corvallis, OR

MS Electrical Engineering, Thesis: Low Cost Fiber Bragg Gratings Sensor Systems

2003

BS Physics & BS Engineering Physics

1999