

Seasoned Manager and Military Veteran with a comprehensive background in manufacturing, R&D, space, DOD, facilities, and regional operations coordination. Extensive experience in team leadership, budget management, problem solving, and project management. Career supported by a Coast Guard Academy Electrical Engineering Bachelor of Science, a Master of Business Administration, and a PMP Certification.

- Bilingual: English/Spanish
- Data/Trend Analysis
- Team Leadership/Development
- Stakeholder Engagement
- Lean Six Sigma
- Solution Design/Strategy
- Forensic Accounting
- Root Cause Analysis
- AutoCAD, MEP 2D/3D

PROFESSIONAL EXPERIENCE

National Aerospace Solutions – Tullahoma, TN
Capital Project Manager

2019 – Present

Lead improvement team in infrastructure and technology at Arnold Engineering Development Complex for hypersonic investments. These efforts directly contribute to improvements in Space, Hypersonics, and Defense Technology. Project portfolio exceeds \$40M.

- Manage both internal (17 direct reports) and external (12 indirect reports) team of customers/stakeholders; ensuring project development/planning, design, procurement, fabrication, and final installation meet requirements.
- Led Construction of a \$20M+ infrastructure and test equipment improvement for an Arc Heater. Construction team included boilermakers, pipefitters, electricians, controls engineers, electricians, ironworkers, and carpenters. Fast paced project tracked field redlines ensuring proper document control, and standard work adherence. Development of a detailed start up test plan that commissioned three Sulzer high volume pumps and 20 actuated valves. Operation and maintenance plan and physical configuration audit exceeded customer expectations.
- Led \$3M exhaust analysis Cross-Functional Team (CFT) to minimize impact of NOX and other hypersonic testing byproducts. Resulted in business development for a \$4M exhaust mitigation project.
- Developed/Led a \$6M CFT to de-conflict multiple test facilities reliance on air supply and vacuum due to high operational costs. CFT met all goals in the charter.
- Fast tracked request to add spectropyrometer and real time tracking of edge detection to accommodate for thermal growth. Coordinated modifications to test cell to ensure proper shielding for sensitive equipment. Completed 4 months ahead of schedule. Customer saw a 12% improvement in distance traveled.

Bonnell Aluminum – Carthage, TN
Project Engineer

2018 – 2019

Successfully managed a team of engineering professionals through the completion of capital improvement projects portfolio of \$20M. Projects included new equipment design/implementation, infrastructure modification/construction, ergonomic enhancements, and continuous improvements.

- Led team of 30 hourly operators and 4 Mechanical Engineers in monthly kaizen events. Implemented changes that increased packing throughput by 8%.
- Implemented a new Maintenance Management system (CMMS) with the partnership of regional maintenance team. Reduced contractor labor by 19% YoY by improving work orders attached to preventative maintenance inputs in the new CMMS. Reduced unplanned work orders by 10% YoY and open work order duration by an average of 3.5 days.
- Counter measured serious safety near-miss by installing \$1.2M of loading dock safety equipment. Install included 22 dock levelers, 55 truck restraints, 7 truck barriers, and 4 overhead doors across 5 facilities in 5 different states. Risk analysis score improved by 86%.
- Created and implemented a plant wide performance improvement plan that increased plant capacity by 50% and profitability by 60%. Spearheaded \$14M plant expansion capex request. Project scope included attaching 100K SQ FT building to existing facility, relocating 3 smaller buildings, moving 20 loading docks, addressing floodplain, structural drawings, and fire suppression system relocation/upgrades. Project was delivered without any interruption to production.
- Managed install of \$260K textured paint system that ensured 99% recovery of unused paint that remained in lines. Project savings estimated at \$400K/year.

Bridgestone Americas – Morrison, TN**2013 – 2018****Project Engineer/Maintenance Crew Leader**

Oversaw manufacturing plant production operations, stakeholder relations, staffing management, cost management, and program coordination.

- Led a team of 72 maintenance technicians to minimize equipment downtime; meet critical repair needs; increase safety and production; while maintaining 250+ automated machines and 40 self-guided vehicles in a 2.2 million square foot facility.
- Oversaw annual maintenance, repair, and labor budget, averaging 7% under budget for FY13-FY17.
- Managed all repair procedures, identifying process improvements and benchmarking/best practice opportunities. This continuous improvement focus led to over \$750k of documented cost savings or avoidance.
- Taught 6-Sigma methodology to analyze major mechanical breakdowns. Identified bottlenecks in warehousing that yielded 16% improvement in maximum cubic storage once resolved.
- Actively recruited, interviewed, and on boarded 14 Engineering technicians to support power consumption/sustainability programs. Once cross-trained in 6-sigma problem solving; team achieved annualized savings of \$2.2M.
- Partnered with Motlow College to enhance intern program. Created program goals, onboarding and mentoring plan.

Seashore Unlimited – Miami, FL & Murfreesboro, TN**2010 – 2017****Project Manager**

- Managed maintenance and rehab for multiple commercial and residential facilities with total value of >\$2M.
- Sourced vendors for all major functions including roofing, structural, lighting, and plumbing. Ensured compliance with the city codes, permitting, and compliance.
- Directly managed 25+ contractors/vendors: Interior/Exterior remodeling, framing, floor installation (carpet, solid wood, wood laminate, tile), plumbing, electrical, duct work, HVAC, cement work, fencing, metal fabrication, landscaping, drainage, granite install, window install, roof repair, wood finishing.
- Negotiated bulk discounting from multiple vendors/hardware stores/contractors.

United States Coast Guard – Various Locations**2010 – 2013****Department Head, Electronics Support (Project Manager)**

Led teams of 200+ in the management of electronics systems, infrastructure maintenance, and inspection.

- Managed 10 equipment failure response centers across 2 states and Puerto Rico; maintained an operating budget of \$2M to manage supplies, travel, logistics, and staff time.
- Coordinated inspections across 9 technical services locations, supporting improved inventory systems which led to the proper identification and cataloging of \$5M in critical spare parts.
- Led 6 regional electronics systems support teams; supported communication, computer, and telecommunications systems to ensure 24/7 readiness for 6 regions and 25 stations across 3 states, Puerto Rico, and the Virgin Islands.

Auxiliary Division Manager**2008 – 2010**

Maintained a team of 14 technicians providing support for critical systems, engine room operations, and emergency response readiness. Coordinated hazardous material and fire protection system oversight.

- Scheduled preventative and corrective maintenance in support of critical ship systems: boilers, evaporator, potable water, sewage, HVAC, and fuel.
- Supervised fueling (1 million gallons) and offloading of hazardous material (20,000 pounds)
- Engaged with stakeholders to digitize existing training cards and coordinated drill 180 crew team execution. Delivered 50 drill cards to be used while underway and in port successfully passing Tailored Ship Training Availability Exercise. Created a safer work environment.

EDUCATION / CERTIFICATIONS

Master of Business Administration – Florida International University, 2013

Bachelor of Science, Electrical Engineering (Software Design/Networks) – U.S. Coast Guard Academy, 2008

Six Sigma, Green Belt and Project Management Professional (PMP)

Mechatronics Certificate (Manufacturing Engineering and Maintenance) – Motlow State College

Information Technology Infrastructure Library (ITIL)

Rescue/Advanced Open Water, Nitrox Certified Scuba Diver