

MECHANICAL ENGINEERING INTERN

Summary

Mechanical Engineer Professional offering 25 years of progressive experience within a manufacturing setting. Experienced project manager that negotiates prices for project, created and implemented preventive/corrective maintenance strategies and completed projects before deadline and under budget. Maintenance Manager who prioritizes multiple tasks based upon risk and production needs and works well under pressure. Broad industry experience includes Military, LRV Trains, and industrial manufacturing Highlights Proficient in SolidWorks Facility and plant modifications Root cause analysis Time management skills Project management Cross-disciplinary collaboration Strategic prioritization Familiar with predictive maintenance techniques

Highlights

Auto-Cad, Solid Works, Failure analysis, Microsoft Office, Military industrial settings (Navy Ships) programming, Trained/mentored junior personal, and troubleshooting mechanical/electrical syst

Experience

Mechanical Engineering Intern 05/2013 to 08/2014 Company Name State

- Updated Piping and instrumentation drawings in Auto-Cad Performed failure analysis on process equipment and implemented new maintenance schedules accordingly.
- Project Manager for the following projects: Designed and implemented HVAC zone installation for main office and foyer.
- Installed new Intralox thermdrive conveyor Implemented projects to reduce water consumption Designed and Implemented new fire suppression system for oil recovery unit Designed and Implemented updating sizer production.

Mechanical Engineering Intern 05/2013 to 08/2013 Company Name State

- Designed diesel fuel tanks for 400 and 750 kW generators on Auto-Cad using UL-142 standards.
- Assisted in new design of the generator conversion from diesel fuel into natural gas.
- Project Manager for re-enforcing mobile generator trailers.
- Composed operating procedures for diesel generators.

Electrical/Mechanical Technician 07/2008 to 01/2011 Company Name City , State

- Responsible for the maintenance and calibration of process control and laboratory equipment.
- Evaluated and installed engineering upgrades for research, design, and prototype upgrades.
- Implemented new Data Acquisition system including installing and programming 32 new Honeywell chart recorders.
- Fixed and calibrated oxygen sensor for updraft of Thermal Oxidizing stack that was said to be un-repairable Calibrated thermocouple and Watlow process controllers.
- Planned, scheduled and coordinated detailed phases of large-scale projects Coordinated contractors, architects and other project team members to deliver high quality projects within specified time frames.

Modifications Supervisor 05/2005 to 02/2006 Company Name State

- Installed electrical/mechanical modifications on multi-million dollar LRV's (light rail vehicle).
- Created critical spare parts lists for modifications to LRV's Used Citrix drawings for troubleshooting onboard systems.
- Purchased and organized materials for LRV's.
- Used PTU for interfacing and troubleshooting Bombardier propulsion, Knorr braking and HVAC systems.
- Wrote all reports on modification and progress timetables.
- Responsible for scheduling trains for modification upgrades and testing.

Marine Electrical Technician 04/2004 to 01/2005 Company Name City , State

- Installed and wired Electronics/Electrical components on 85 and 65 foot yachts.
- Installed 300kw and 250 kW Northern Light generators, Detroit propulsion engines and all domestic and auxiliary systems.
- Built engine rooms with mechanics from the ground up; including carpentry, electrical, mechanical, and fiberglass work.

Plastics Operator 01/2002 to 04/2004 Company Name City , State

- Operated and maintained Rotational molding machine.
- Trained personnel on all 5 stations.
- Helped make operation procedures for machines.
- Used troubleshooting skills to solve 4 arm 4 station rotational molding machine problems that included over temperature, plating and wrong rotational speed.

Project Manager/Electrician 08/1999 to 09/2002 Company Name

- Responsible for all coordination and building of treatment plants.
- Finished Royal Roads Treatment plant prior to deadline and under budget.
- Initiated and wrote all corrective/preventive maintenance schedules for treatment sites.
- Planned, scheduled and coordinated detailed phases of large-scale projects.
- Coordinated contractors and other project team members to deliver high quality projects within specified time frames Wired and installed

new wastewater system of BC ferries.

Electrical/Electronic Technician 01/1990 to 08/1999

- Repaired all electrical/electronic systems onboard navy ships including controllers, instrumentation and PLC's for power plant of 3.5 Giga watts and maintained FT4, FT12, and 750 Kw gas turbines.
- Mentored/trained junior personnel Planned corrective and preventive maintenance for onboard electrical systems.
- Maintained Reverse Osmosis distillation and Electro Catalytic sewer treatment plants.
- In charge of preventive and corrective maintenance on IPC/PLC electronic switchboards, HVAC, Fire suppression, liquid level management systems and all domestic equipment.

Education

Bachelor of Science : Mechanical Engineering 2015 Louisiana Tech University City , State , USA Mechanical Engineering

Skills

Auto-Cad, BC, budget, calibration, carpentry, Citrix, conversion, Data Acquisition, electrical systems, Electronics, Failure analysis, HVAC, laboratory equipment, maintenance schedules, materials, mechanical, Microsoft Office, office, natural gas, Navy, oil, personnel, PLC, process control, process equipment, programming, progress, quality, research, scheduling, Solid Works, troubleshooting, upgrades