

Melanie Gropp

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Objective

Project expediting and detailed inspection assignments that utilize my skills in Mechanical, Structural and Electrically engineered equipment including gas turbine generators and compressors, large packaged gear, centrifugal pumps, vessels, exchangers, valves, skid packages, ammonia and hydrolyser equipment.

Secondly, utilize advanced marketing strategy and planning for development of client base in Petro-Chemical, Nuclear, Green Energy, Forensics, Accident Re-Construction, BioMechanics, Failure Analysis, Commercial Diving and Military projects, world-wide.

Work Experience

Quality Assurance Technician and Expediting Manager

12/2007 – Present: [Oceanfront Engineering Inc.-Oceanside, California](#)

- Primary functions are expediting management and detailed inspections for major equipment operations and interface with Oceanfront Engineering, Quality Assurance Engineers and Client personnel and vendor manufacturing companies. Clients include Oceanfront Engineering, US Navy, Shell, NOV Varco, Samsung, BP, Chevron, Tecnimont, Exxon and other fortune 500 companies. Vendor companies include: Solar Turbines including: Saturn, Centaur, Mercury & Taurus Single Shaft Turbine Packages. Also Titan & Mars two Shaft Turbine Packages. Flowserve Pumps, Vantage Vehicle International Military Vehicles, Gould Pumps, Cryoquip, Control Components Velocity Control Valves (CCI) including: Performance testing, Hydrostatic testing, Seat testing as well as dimensional check. Creative Tents, Stang Instruments, General Monitors, Kobelco Compressors (KEC), Carter Cryogenics in depth Cryogenic Pump inspections, Bardex Offshore Hydraulic Load Handling Systems, Crane Pacific Valves including: Hydrostatic testing, Seal Leak test upstream and downstream, performance testing & dimensional check. MAG International Military Vehicles, McCrometer Liquid and Gas Flowmeters, Mycom, Survival Systems, Wahlco Combined Cycle Gas Turbines, Mafi-Trench Corp. Turbo Expander Packages & Crane Pacific Valves.
- **SPECIAL AREAS INVOLVED:**
- High level expediting for “Critical Path” equipment being manufactured at a variety of Manufacturing and Construction jobsites for Military bases, Green Energy, Petroleum related businesses and Forensic/Expert witness cases involving accident re-construction and Bio-Mechanics. Ability to maximize the use of Microsoft Excel, Word, Business works gold, Project Manager and Power Point for presentations and tracking large, project and sensitive work.
- Perform marketing operations to enhance existing, client-based events and explore new market places for Nuclear Power, Forensic/Expert witness work, Military construction and upgrade projects, Petro-chemical operations, accident reconstruction and Commercial diving programs.
- Assist the owner in managing high profile project work and to expedite equipment from sub-vendors, foundry's, material manufacturers and primary suppliers of special engineered equipment for large projects.

- Witness Factory Acceptance testing as well as third party surveillance activities for assorted oil and gas equipment including Gas Turbines (Titan, Mars, Taurus), Kobelco & Mycom Compressors and various API-610, 10th edition centrifugal pumps from numerous vendors including Gould Pumps & Flowserve Pumps.
- Types of Testing Experienced: Turbine Engine Performance, Functional & Over-speed tests, Closed Loop, String testing, Compressor Performance, Gas Detection testing, Unit enclosure testing, Aerodynamic tests, Vibration Spectrum analysis Hydrostatic and Operations/Maintenance for Turbines & Compressors, Shaft Balancing & Rotor Run-out, NDE & Liquid Penetrant tests.

Marketing Engineer and Administrative Manager

2/2004 – 11/2007: [Don Prudhomme Racing Team-Vista, California](#)

- Perform expediting functions to enhance delivery of engines, transmissions, car bodies, blowers, gear works, tires, wheels, bearings, racing fuel, intake and exhaust manifolds and other components to ensure timely racing engagements. Contact numerous prime and sub-vendors of major components and special materials required for highly technical racing operations. Expedited machine shops, supply houses and direct and indirect racing team organizations.
- Developed new strategies and operational enhancement for all aspects of the Drag racing team. Worked on business development, merchandizing and inventory control of major parts and equipment utilized in the racing market.
- Performed numerous managerial and office functions including data entry, fan mail and marketing promotions, shipping and receiving and follow-up on critical path orders and racing team operations.

Customer Service and Marketing Manager

9/2000 – 2/2004: [X-Cel Contacts-Vista, California](#)

- Responsible for sales and promotional aspects of the contact lens design market and assisting doctors in development of designs as required.
- Data and document entry, order processing, procurement, shipping and receiving and training of new personnel were key operations engaged in.
- Assisted doctors in expediting of orders and follow-up with manufacturer's to ensure timely delivery of materials.

Education

1997-2000: White Pines High School-Ely, Nevada

- College Coursework Completed toward AS Degree Engineering
- Advanced Math and Science
- Marketing

Skills

Proficient at Expediting very difficult contractors and manufacturer's to maintain schedule performance and to ensure coordination between the client, engineering and the manufacturer's representatives is paramount. QA inspections and testing for high profile manufacturer's and vendors to ensure the highest quality materials with a speedy turn-around on heavy duty equipment. Knowledge of BioMechanics, Accident Re-construction formulas as well as failure analysis for Forensic/Expert Witness needs.