

Chris Grivas

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Hands-On Senior Engineering/Management

Fifteen years of progressively responsible experience in multi-million dollar engineering design, program management, and technical sales, focusing on electro-mechanical systems. Proven background in high-impact, creative team leadership and marketing of systems to global industry and government clients. Accomplished engineer with excellent technical skills and outstanding relationship development and negotiation wins.

Business Development, Market Development, Technical Proposals, Technical Sales, Program Management, Engineering Management, Private Pilot, Lean, Continuous Improvement, Kaizen, Microsoft Project, Validation & Verification, Systems, Testing, Reliability, Failure Modes, Root Cause, Thermal sensing, Fire Protection, Hydrogen Storage, Sensors, Pressure Vessels, Burst Disks, Actuators, Valves, Thermal & Stress Analysis, SmarTeam, SolidWorks, Cosmos, CATIA

Professional Experience

PAS Consulting

12-2008 to Present

Project and Test Engineering Consultant

Provide engineering services encompassing project management, test engineering, analysis, and production of requisite documentation.

- Successfully completed and documented the Qualification Test Program for a high-profile aircraft powerplant starter valve. Currently providing sustaining engineering services for this valve series.
- Managed design assurance testing of an engine-mounted, fuel-driven actuator performance improvement program

Pacific Scientific, HTL/Kin-Tech Division

04-2008 to 11-2008

Engineering Manager, Fire Protection Systems

[Pacific Scientific is involved in the design, development, and production of aviation safety equipment for commercial, military, and general aviation industries.]

Directed both the Project Engineering and Design/Drafting groups in the development of aircraft and ground vehicle fire protection systems. Provided technical sales support of existing and proposed product. Managed staff of 8 direct reports including Project Engineers, Design Engineers, and Designers with "cradle to grave" product lifecycle responsibility.

- Developed 6 technical proposals with values totaling \$160M (100% win rate on contracts awarded prior to departure)
- Traveled internationally in support of sales efforts
- Initiated development of new-technology cargo fire suppression system and demonstrated capability two months ahead of schedule and on budget
- Led a cross-functional cost reduction team that achieved the stated goal of 30% cost decrease on a flow metering device
- Introduced requirements management and project scheduling concepts to Engineering department to reduce errors and waste

**Alliance Spacesystems
Program Manager**

10-2006 to 04-2008

[Alliance Spacesystems is a leading provider of mechanical systems engineering, custom design and fabrication of composites structures, robotics and mechanisms, and mechanical analyses for systems operating in extreme environments.]

Successfully managed a cross-functional team to deliver a complex, 7 degree of freedom mechanism and associated control electronics for a Naval Research Lab/DARPA spacecraft robotics program.

- Delivered complete project one month ahead of schedule and 5% under budget
- Secured significant company profit by re-negotiating an initially underbid program
- Directly responsible for a \$15M program budget
- Managed \$4M major subsystem contractor, which delivered on time and on budget
- Managed over 300 task "inchstones" assigned to a 16 member team
- Compiled and presented schedule, financial, and risk status to senior management

Meggitt Safety Systems

01-2000 to 10-2006

Manager of Mechanical Engineering, 2003-2006

[Meggitt Safety Systems is a world leader in extreme environment fire protection and safety systems for aircraft, spacecraft, boats, trains, missiles, and various industrial and energy platforms.]

Promoted to Engineering Manager and led the development of safety-critical electronic and pneumatic sensors capable of withstanding the extreme environment of aircraft engine installations. Complete product lifecycle responsibility, from RFI through in-service sustaining.

- Captured \$34M in sales by creating effective technical proposals
- Traveled extensively to international aircraft OEM's in support of sales and proposal efforts
- Served as Chief Mechanical Engineer
- Managed a staff of 7 project engineers
- Responsible for sustaining a \$63M/yr product line
- Achieved a 66% cost reduction on hot air leak sensor components
- Implemented SmarTeam Product Lifecycle Management system to increase quality of requirements management and improve document revision control

Project Engineer, 2000-2003

Responsible for designing aircraft fire detection system components and demonstrating compliance to customer and regulatory requirements.

- Airbus A380 Fire Detection Team Leader – designed and qualified detectors and associated components per government, industry, and customer specifications
- Successfully applied critical chain project management concepts to deliver A380 system on time
- Designed engine-mounted thermocouples successfully flying on Rolls-Royce Trent 900
- Created FMEAs and reliability predictions
- Performed thermal, nonlinear stress, and vibration analyses

Boeing, Propulsion Systems Division
Design Engineer, Lean Manufacturing Engineer

02-1996 to 02-1999

[Boeing Commercial Airplanes' Propulsion Systems Division performed a variety of propulsion systems manufacturing, engineering and integration services for both production and in-service airplanes.]

Responsible for design of external aircraft engine components. Liaised between Production and Engineering personnel.

- Certified Lean Manufacturing Continuous Improvement (Kaizen) Workshop Facilitator
- Led cross-functional teams in the identification and removal of waste in design and production processes
- Youngest engineer ever selected to work on a new product development program
- First Engineer selected for job rotation pilot program

Aviation, Automotive, & Racing

FAA-Certificated Private Pilot

- Single-engine, land-based airplane rating (current)
- High-performance and complex aircraft endorsements

Competitor, Sports Car Club of America (SCCA) and Porsche Club of America (PCA), 1996-Present

- Successfully setup and piloted multiple vehicles in local- and national-level events

Performance Driving Instructor, AMCI, SCCA, PCA, Speed Ventures, 1997-Present

Crew, *Naykid Racing*, SCCA Club Racing, 2002

- Responsible for at-event car setup and maintenance
- Modified suspension and brake system setup based on driver feedback
- Performed pit lane setup adjustments during races

Engine Teardown Specialist, VW Engine Remanufacturer, Seattle, WA, 1993

Mechanic, Eastside Motors, Bellevue, WA, 1991-1992

Education

Center for Creative Leadership
Foundations of Leadership, 2006

University of Washington, Seattle
Bachelor of Science, Mechanical Engineering, 1995

Affiliations

Member, Society of Automotive Engineers (SAE)

Member, Aircraft Owners and Pilots Association (AOPA)

Languages

English, Greek (Intermediate Level), Italian (Basic Level)

Citizenship

United States, Greece

Interests

Aviation; Formula 1; Classic sportscars; Photography; Surfing; Hiking; Mountain biking