

IVAN E. ARAKTINGI, Ph.D./MBA - Six Sigma/Quality Leader

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ASQ Certified Six Sigma Black Belt

CITIZENSHIP USA

Dept of Energy Level " (Secret) SECURITY CLEARANCE

Cell:(951) 719-6500

Ivan912@centurytel.net SUMMARY Energetic, results-oriented scientist/engineer/manager with over twenty years experience in analytical chemistry, quality, production of optoelectronic and optical components and polymeric materials and composites; laboratory management including over ten years in Six Sigma/Lean training/implementation and instrumental chemical analysis (FTIR, GC, AtomicSpectroscopy, Thermal Analysis). Used the Six Sigma/Lean approach to obtain gains in productivity and growth at my previous employers. Mentored Black and Green Belts and other personnel on the Six Sigma/Lean Methodology. A strong change agent leading several cross functional teams that set the pace for process and continuous improvement. Proficient in all aspects of Quality Assurance Management including ISO9001-2000 (Lead Auditor) / QS9000. Additional expertise in team building/communication, budget control, supplier quality function and project management. Fluent in French and Arabic. PROFESSIONAL EXPERIENCE Lawrence Livermore National Laboratory, Livermore CA 5/2004-Present
SENIOR QUALITY ENGINEER/SIX SIGMA LEADER

- Built the infrastructure necessary for production readiness (transitioning from prototype to full production) for the National Ignition Facility (NIF), the world's largest laser, critical to our national defense, basic science and energy research missions

- Developed the Division's Quality Manual

- Led several Continuous Improvement teams

- Used Six Sigma Tools such as FMEA, DOE and Risk Matrix along with Lean tools such as 6 S, Value Stream Mapping and Flow to improve business and production processes

- Developed the Requirement Verification Plans for the laser's complex subassemblies

- Trained technicians in optics inspection

- Participated on supply chain audit teams at external suppliers

- Member of the Cleanliness Steering Committee

- Partnered with outside consultant and trained twelve production teams on Six Sigma/Lean Process Improvement methodologies Exotic Electro-Optics, Murrieta, CA 5/2003-4/2004

SENIOR QUALITY/SIX SIGMA LEADER

A \$30MM 2nd tier supplier to the military of optoelectronic components (Black Hawk, ATP Sniper and Joint Strike Force) Process Engineering ? Large Optic Cleaning, Coating, Inspection ? QA Team Leader

- Formed a team to improve yields through Six Sigma/Lean techniques (RDMAIC approach using tools such as Cause and Effect Matrix, Value Stream Analysis, FMEA, ANOVA, MSA, SPC, hypothesis testing and DOE) for a critical manufacturing process, with estimated savings of >\$1,000,000 in scrap reduction and on-time delivery

- In collaboration with one of our Fortune 100 customers (Lockheed-Martin), developed Lean Six Sigma Green Belt training curriculum and trained several teams in the methodology McLoone Inc., LaCrosse, WI

6/2002-12/2002

QUALITY MANAGER (Short Contract Consulting Position)

A \$13MM manufacturer of nameplates and labels, using screening methods on metals and plastics.

ISO9001-2000 ? Six Sigma Training ? Process Engineering

- Wrote an ISO9001-2000 compliant Quality Manual and Trained 9 ISO Internal auditors.

- Developed a scrap reporting system, with estimated savings of >\$100K/yr.

- Trained staff in Six Sigma and initiated key Six Sigma projects.

- Developed a supplier quality evaluation system. Thermo-Electron Spectra-Physics Inc., Oroville, CA 8/2000-5/2002

SENIOR PROCESS / QUALITY ENGINEER

Yield Increase ? Production Cost Reduction ? Optics Process Engineering

A \$200MM manufacturer of telecom passive components and lasers.

- Developed new cleaning methods for most of the optical products; reduced rework by over 50%.

- Improved yield of an Optical Isolator product from 25% to over 80% and reduced production costs by over 65% using Six Sigma tools, Lean principles and customer relationships, increasing revenues for the Optical Isolator from \$175K/mo to \$1.1MM/mo in an 8 month period.

- Developed a new CWDM filter and optimized the production process using a Six Sigma Breakthrough methodology and strong customer contact; expected production yield of 75% and \$2MM sales for 2002. AlliedSignal (Honeywell), LaCrosse, WI 1/1989-7/2000

QUALITY SYSTEMS MANAGER

Global Database ? Team Formation ? Six Sigma Process Improvement

A \$400MM global manufacturer of composites used as base materials for the printed circuit board and electronics industries. Provided testing and consulting services to the entire corporation including overseas locations utilizing state-of-the-art technology that included SEM (Scanning Electron Microscopy), Thermal Analysis (DSC, TMA, TGA, DMA), Metallography, Infrared Spectroscopy (FTIR), Chromatography (GC and GPC/HPLC), Electrical Properties testing (Dielectrics) and Rheology.

- Developed the operating and capital budgets for the department (20 people, \$2.5MM) and ensured compliance and alignment with the company's financial goals.

- Led a Quality Systems team (Six Sigma approach) that designed and implemented an on-line global database system (GQS) that reduced turn-around-time and increased customer satisfaction; saved at least \$0.5MM/year.

- Built a test lab High Performance Work Team dedicated to customer satisfaction and minimizing costs to the corporation; reduced overhead costs by \$200K/year through increased productivity, automation and a 20% staff realignment. EDUCATION Louisiana State University, Baton Rouge, LA

Ph.D., conferred August 1972; Analytical Chemistry Major, Environmental Science Minor, Atomic Spectroscopy Specialization, thesis: "Determination of Selected Atmospheric Pollutants by Atomic Fluorescence and X-ray Photoelectron Spectroscopy"; Northwestern University, Evanston, IL

MBA, conferred June 1986; Management Policy and Marketing

American Society for Quality and The Six Sigma Academy Six Sigma Black Belt completed November 2001; thesis: "Process Yield Improvement of LiNbO3 Optical Component Manufacturing";

Yvon E. Araktingi, Ph.D.

ASQ-SSA Six Sigma Black Belt

Sr Quality Leader

National Ignition Facility - AIR

PHONE: 33970

PAGER: 07353