

James R Wixson, CVS-Life, CMfgE-Life

(208) 520-2296 (Cell phone) (425) 385-8028 (alt phone) email jrwixson@wvasolutions.com

OBJECTIVE Senior Value Management Consultant

Resolve quality and reliability problems, reduce cost, and improve performance through application and training in proven quality and process improvement techniques such as value engineering and lean manufacturing. Excellent communicator with good interpersonal skills able to work with all disciplines in an organization in order to achieve project, or company objectives. Able to analyze and determine optimal solutions to complex technical and organizational problems. Skilled facilitator, and able to improve performance in multi-disciplinary organizations. Trained and experienced in Project Management processes. Experienced in working on a multi-disciplinary integrated product teams and posses a working knowledge of value engineering, systems engineering and lean management disciplines.

SKILLS AND ABILITIES

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| <ul style="list-style-type: none">- Systems Engineering- Value Engineering- Lean/Six Sigma/Design for Six Sigma- Project Management- Risk Management- Quality Assurance & Management- Training Development and Delivery- Root Cause Analysis and Problem Solving | <ul style="list-style-type: none">- New Product/Process Development- IT Systems Engineering- Requirements Definition and Management- Industrial Engineering- Manufacturing Engineering- Facility and Infrastructure Asset Planning- Maintenance & Reliability Engineering- Plant and Facility Layout |
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EDUCATION

- Master's Certificate in Project Management, Villanova University, Philadelphia, PA, October 2004
- Master's Degree in Systems Engineering, 2003, University of Idaho, Idaho Falls, ID
- Master's of Business Administration, 1986, University of Phoenix, Salt Lake City, Utah, Thesis and Project - "Improving Product Development with Value Analysis/Value Engineering"
- Bachelor of Science in Industrial Engineering, 1977, University of Utah, SLC, Utah

EMPLOYMENT HISTORY

Sr. Consultant, Systems/Value Engineer: Boeing Enterprise Lean+VE Program, Everett, WA **2/25/2008– Present**
Sr. Consultant, Systems Engineer/Requirements Management: Boeing 787 Dreamliner Program, Everett, WA **2/2006 – 4/2008**
Advisory Systems/Value Engineer CH2M-WG Idaho, LLC (Idaho National Laboratory), Idaho Falls, ID **5/2005 – 2/2006**
Advisory Systems/Value Engineer Bechtel BWXT Idaho, LLC (Idaho National Engineering Laboratory), Idaho Falls, ID **10/1999 – 5/2005**
Advisory Systems/Value Engineer Lockheed-Martin Idaho Technologies, Inc., Idaho Falls, ID **7/1997 – 9/1999**
Staff Engineer/Economic Analysis Lockheed-Martin Idaho Technologies, Inc.(Idaho National Engineering Laboratory), Idaho Falls, ID **10/1994 – 7/1997**
Engineering Specialist EG&G Idaho, Inc.(Idaho National Engineering Laboratory), Idaho Falls, ID **6/1993 – 9/1994**
Senior Engineer EG&G Idaho, Inc.(Idaho National Engineering Laboratory), Idaho Falls, ID **2/1990 – 5/1993**
Pricing and Contracts Administrator, Raytheon Aircraft (Formerly E-SYSTEMS, INC., MONTEK DIV.), SLC, UTAH, 2/1987- 2/1990
Sr. Industrial/Manufacturing Engineer Value Engineering Team Lead, Raytheon Aircraft (Formerly E-SYSTEMS, INC., MONTEK DIV.), Salt Lake, UTAH, (5/1983 – 2/1987)
Facilities Engineer, EIMCO Mining Machinery Div., SLC, Utah, (10/1981 – 3/1983)
Manufacturing Engineer, EIMCO Process Equipment Division, SLC, Utah, (10/1980 – 10/1981)
Industrial Engineer, Envirotech, Inc. Rubber Engineering, Div. Salt Lake City, UT (4/1979 – 10-1980)
Associate Production Engineer, Sperry Defense Systems, Inc., SLC, Utah, (7/1978 - 4/1979)
Consultant, Los Alamos Technical Associates, Simulation and Modeling using ARENA software of material handling (4/05 – 5/05)
Consultant, Pillsbury, Inc., Shelly, ID Developed Performance Based Maintenance Training Program. (9/93-2/94)
Consultant, Sorenson Research, Abbot Laboratories, Inc., SLC, UT, Work Measurement and Cost Reduction (3/83 – 8/83)

TEACHING EXPERIENCE

Affiliate Instructor, University of Idaho, Industrial Technology Program **Sept. 2001 - Present**

- Develop and teach undergraduate and graduate courses in Total Quality Management and Quality Assurance and Management, including Lean, Six Sigma, Value Engineering, and New Product / Process Development

DOD & COMMERCIAL PROGRAM EXPERIENCE

- AN/TRN-26, portable, dual channel tactical air navigation system (TACAN) system
- AN/TRN-41 TACAN, portable, air droppable, unmanned Tactical Air Navigation (TACAN) system
- DZAAS, Drop Zone Assembly Aid System, developed for DARPA.
- COMPASS EARS – Emergency Airborn Reaction System
- Cruise Missile electro-mechanical flight control systems
- LANCE Missile System, electro-mecahanical actuation componenets
- Electro-Mechanical & Electro-Hydraulic flight control actuation systems for various military aircraft including the Advanced Tactical Fighter (ATF)

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and B2 Bomber and Boeing 737/757 flight control systems.

SECURITY CLEARANCE HISTORY

Top Secret/CRYPTO Access: 8/1967 – 7/1971, OSI, US Air Force, Communications Specialist, AF18813979

Secret: 8/1978 – 4/1979, DISCO, Sperry Defense Systems, SLC, UT

Secret: 12/1983 – 12/1988, DISCO, E-Systems, Inc., Montek Div, SLC, UT.

Secret/SCI: 12/1988 – 2/1990, DISCO, E-Systems, Inc., Montek Div, SLC, UT.

DOE L Clearance: 6/1991 – 1/2006 - DOE, Idaho National Engineering Laboratory, Idaho Falls, ID

ACCOMPLISHMENTS/SKILLS

- Certified Value Specialist (CVS – Life) through the Society of American Value Engineers
- Certified Manufacturing Engineer, Society of Manufacturing Engineers (SME)
- Certified in Six Sigma through Six Sigma Qualtech
- Certified MOST and Maxi-MOST Predetermined Time Standards Applicator, Maynard Management Institute
- Skilled facilitator, presenter, and consultant able to lead interdisciplinary teams to creative solutions of complex problems in design, management, organization, construction, and other areas critical to company's success.
- Trained and experienced in SLATE, CORE, RequisitePro and RDD-100 requirements management tools.
- Trained and experienced in ARENA, Extend, and SmartER modeling tools. Familiar with VENSIM and STELLA/I-THINK systems dynamics tools.
- Skilled in Microsoft products including MS Word, Excel, Access, PowerPoint, Visio, TurboCad and MS Project

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Senior Member of SME and ASQ, member PMI, SAVE, IIE, and INCOSE.
- SME National Members Council, 2004 - 2005
- Chairman, ASQ Section 0603, 2004 - 2005
- Chairman SME Chapter 85, '86-87 and 2002, and other executive positions.
- Chairman, SME, Region 7, Zone 1, '90-91., Region 13 Secretary 1995-96
- Chairmen SME Region 13 1997-1998, and other region executive positions.
- Guest lecturer on Value Engineering and Concurrent Engineering in undergraduate and graduate courses in Mechanical Design and Manufacturing Engineering courses at universities in Idaho, Utah, and California, SME and IIE technical meetings and conferences, and for the Society of American Value Engineers (SAVE).
- Guest presenter/facilitator at the Space Operations Technical Subcommittee of the American Institute of Aeronautics and Astronautics Third Annual Workshop on Reducing the Cost of Space Operations, 7-8 May, 1997, Washington, DC.
- Invited speaker at Utah State University, Partners in Business, Shingo Prize Operational Excellence Conference, 10/1 –2/2003, topic: Building Value into Design and Operations with Value Engineering.

PUBLICATIONS

- Value Analysis/Value Engineering: The Forgotten Lean Technique, Society of American Value Engineers, **April 2005 SAVE Interactions**
- A Value Management Approach to Improving Quality Performance, Society of American Value Engineers, 2005 SAVE International Conference.
- A Systems Dynamics View of the Theory of Constraints, Systems Dynamics Society, 2003, 23rd Annual Systems Dynamics Society Conference,
- How Root Cause Analysis can Improve the Value Methodology, Society of American Value Engineers, 2002 SAVE International Conference.
- Functional Analysis and Decomposition using Function Analysis Systems Technique, International Council on Systems Engineering (INCOSE) 1999 Annual Symposium, Brighton, England, 1999 Conference Proceedings, p. 963 – 968
- Development of the Environmental Management Integrated Baseline at the Idaho National Engineering Laboratory Using Systems Engineering, International Council on Systems Engineering (INCOSE) 1997 Annual Symposium, Los Angeles, CA, 1997 Conference Proceedings, co-authors, James A. Murphy, Robert M. Caliva, James R. Wixson
- Value Managed Failure Analysis and Product/Process Improvement, Society of American Value Engineers, 1997 SAVE International Conference Proceedings, p 276 - 283
- The Development of an ES&H Action Plan using Management Oversight and Risk Tree Analysis and Function Analysis Systems Technique, Society of American Value Engineers, 1992 SAVE International Conference Proceedings, Pgs 29 -36.
- The Human Side of Value Engineering, Society of American Value Engineers, 1991 SAVE International Conference Proceedings, p 30. (co-author with Harold J. Heydt)
- Improving Product Development with Value Analysis/Value Engineering, a Total Management Tool, Society of American Value Engineers International, 1987 SAVE International Conference, p. 51 – 66

– MILITARY EXPERIENCE: U. S. Air Force, SGT, E-4, Honorable Discharge (1967 - 1971)