



Glenn F. Byrnes, PhD

Lean Six Sigma - Operations - Quality - Mfg Engineering - Procurement
United States | Management Consulting

Current	Principal at Lean Six Sigma Academy LLC (Sole Proprietorship)
Past	Vice President of Operations at Datastrip Products Inc. Quality Assurance and Reliability Engineering Manager at TransCore Quality Director at Goodrich ISR Systems see all
Education	Warren National University New Mexico State University University of Minnesota-Twin Cities
Recommendations	3 people have recommended Glenn F.
Connections	31 connections
Websites	Company Website PNHP

Glenn F. Byrnes, PhD's Experience

Principal

Lean Six Sigma Academy LLC (Sole Proprietorship)

Sole Proprietorship; 1-10 employees; Management Consulting industry
April 2002 – Present (9 years 11 months) | Tampa/St. Petersburg, Florida Area

Lean Six Sigma Academy LLC (LSSA) delivers LSS training, certification, deployment, project mentoring, and consulting services to companies and individuals in traditional classroom settings, over the Internet, and on-site at client locations. Dr. Byrnes founded the company in fourth quarter, 1999, as Six Sigma Partnering LLC, in Albuquerque, NM, developed the training program services and curriculum, created the company website, and led Lean Six Sigma training waves. The company has been headquartered and licensed to operate in Albuquerque, NM, Shelton, CT, and Tampa, FL. The official company name was changed to Lean Six Sigma Academy LLC in 2010. Glenn grew the company to include multiple Lean Six Sigma Master Black Belt Instructors, trained them and mentored them in delivery of LSS training in the classroom and over the Internet.

LSSA was the first third party Six Sigma training organization to offer Six Sigma training and certification "at a distance". The company delivered Six Sigma training exclusively "at a distance" until April, 2002, when full service operations ensued.

In 2002, LSSA and Dr. Byrnes were contracted by Motorola Inc. Schaumburg, IL, to assist them in retraining their worldwide workforce in the Six Sigma methodology that Motorola had originally invented in 1986. Dr. Byrnes was granted Motorola certification as a Six Sigma Master Black Belt upon completion of training delivered at Motorola's Plantation, FL, facility in December, 2002. Over a two year period, Dr. Byrnes delivered live classroom Six Sigma Green Belt training at Motorola University in Schaumburg, and in the second contract year delivered training online using Motorola's web based Six Sigma materials using the Webex web conferencing application.

Glenn downsized the company in 2006 and the "Great Recession" dramatically reduced demand for services beginning in 2008. Weak demand has been experienced to-date. He continues to operate the business at the reduced levels by himself.

Vice President of Operations

Datastrip Products Inc.

Information Services industry
September 2000 – April 2002 (1 year 8 months) | Shelton, Connecticut

Datastrip was a market leader in providing handheld personal identification and verification products. Datastrip was established in 1994 and was part of a privately held group, the Walker Trust, in the United Kingdom, with assets reaching \$1 billion. Datastrip itself was a "start-up" company developing software and handheld biometric identification devices from its offices and manufacturing facilities in Europe, North America and Asia. In addition to mobile biometric device technology, Datastrip's principal offerings include fingerprint, iris, and facial recognition solutions, smartcard technology, optical scanners, and 2-D bar code symbologies and readers.

Glenn played a significant role in the highly successful product launch of the first portable, multi-modal, identification verification device, DSVerify2D. He staffed, trained, and mentored the first Operations organization including: manufacturing, production planning, inventory control, advanced manufacturing engineering, test engineering, quality assurance, configuration management, procurement, information technology, facilities management, and administrative personnel.

Glenn led and directed the planning and implementation of the initial production facility, including all capital equipment, special tooling, gaging, test equipment, and production/quality documentation that led to the successful launching of the NPI, DSVerify2D, a handheld identity verification device reading ID cards, smartcards, and passports. He also led the cross-functional team in the search and selection of a contract manufacturer to produce DSVerify2D at production volumes.

As of September 1, 2011, Datastrip Limited has closed operations and transferred current inventory, marketing & sales, and RMA support to Vision Data Systems of Jupiter, Florida. Design, engineering, and manufacturing capabilities are in negotiation.

Quality Assurance and Reliability Engineering Manager

TransCore

Public Company; 1001-5000 employees; ROP; Transportation/Trucking/Railroad industry
March 1998 – September 2000 (2 years 7 months) | Albuquerque, New Mexico Area

TransCore is the largest global manufacturer of transportation-based RFID technology with more than 46 million RFID tags and 67,000 readers deployed worldwide. Transcore has more than 2,000 employees located in 80 locations around the world with products and services in 46 countries.

As Transcore's chief quality official, Glenn ensured the ISO 9001 Quality System, the product and process quality of all RFID tags, readers, and antennas, effectively managed the quality assurance department, led company-wide corrective action - preventive action (CAPA) action teams resolving customer satisfaction issues, and headed up Six Sigma and other continuous improvement initiatives.

From the "get-go", Glenn, rebuilt a depleted quality department and restored a quality culture at the company. During his tenure Transcore successfully passed all ISO 9001 quality system audits by the Registrar, QSR, and was awarded a State of New Mexico quality award based upon Malcolm Baldrige National Quality Award criteria. He initiated focus on reliability and hired the first ever reliability engineer to lead project team efforts in reliability prediction, MTBF, Halt/Hass, and empirical MTBF calculations based on data from fielded devices.

Glenn trained and mentored quality engineers, inspection & test technicians, and administrative personnel. Three quality engineers mentored by Glenn quickly moved-on to roles in quality management.

Quality Director

Goodrich ISR Systems

Public Company; 10,001+ employees; GR; Defense & Space industry
July 1997 – March 1998 (9 months) | Albuquerque, New Mexico Area

Goodrich's Space Flight Systems Division is an integral player in the space program with over 4800 payloads and subsystems deployed on more than 2,500 satellites, spacecraft, and launch vehicles. Products include command and data handling units, data acquisition and management systems, delay memory, filter assemblies, pre-modulation signal conditioning, power regulation and distribution.

Glenn's responsibilities included ensuring the quality of space and aerospace electronic products, leading the quality department, configuration control department, reproduction services department, ensuring ESD compliance and the Mil-Q-9858A quality management system, and leading the Division's Management Team in continuous improvement initiatives.

Glenn co-led the Division's Business Process Re-engineering team effort.

Goodrich was acquired by United Technologies in 2011.

Manufacturing Engineering Manager

Laguna Industries

December 1996 – July 1997 (8 months) | Mesita, New Mexico

Laguna Industries designed, manufactured, and serviced mobile electronic communication shelters for the U.S. military.

In a unique consulting engagement, Glenn helped save this small disadvantaged American Indian owned defense electronics business avoid bankruptcy and closure. He led initiatives to improve manufacturing operations, improve routing and work instructions, train operating personnel, began implementation of ISO 9001 Quality Management System, and mentored native American staff members as future manufacturing engineering department leaders.

Laguna Industries remained in business until company dissolution in 2009.

Senior Quality Engineer

Honeywell Aerospace

Public Company; 10,001+ employees; HON; Aviation & Aerospace industry
March 1992 – June 1995 (3 years 4 months) | Albuquerque, New Mexico Area

Honeywell is a leader in flight control & management systems, cockpit products & systems, advanced electronics, navigation, power systems and landing systems for military aircraft throughout the world. Other products include flight control computers, air data computers, multi-function displays, and sensors.

Glenn ensured the products and processes of assigned programs including the C-130 Hercules Avionics suite of products at Honeywell's Defense Avionics Systems Division. He provided the quality assurance interface with customer and government representatives and oversaw total quality initiatives. Glenn implemented a successful total quality initiative in electronic assembly that enlarged job duties for operating personnel, reduced inspection, and improved quality.

Glenn was commended for his leadership role in the successful implementation of Statistical Process Control in a modern electronic assembly factory.

Senior Product Engineer

ATK

Public Company; 10,001+ employees; ATK; Defense & Space industry
September 1989 – June 1991 (1 year 10 months) | Brooklyn Park, Minnesota

While a member of the 120mm Tank Ammunition Advanced Development department, Glenn helped develop the manufacturing process and tooling for the next generation 120mm KE tank ammunition round. He oversaw and coordinated design changes and manufacturing process development at major sub-system suppliers across the U.S., and managed Manufacturing Methods & Technology (MM&T) contracts at the major subcontractors.

Glenn submitted a proposal to change the manufacturing process of composite Sabots from the expensive multilayer layup and compression molding process to an automated injection molding process utilizing short fiber carbon. This manufacturing process change had tremendous potential for significant dollar savings over the life cycle of the round.

Glenn was awarded the Alliant Techsystems Engineering Week Achievement Award for contributions in engineering excellence, 1991.

Procurement Program Manager

Honeywell

Public Company; 10,001+ employees; HON; Electrical/Electronic Manufacturing industry
May 1986 – May 1990 (4 years 1 month) | Brooklyn Park, Minnesota

As the Procurement Program Manager (Deputy Program Manager for Material Acquisition), Glenn managed the material acquisition for 120mm Advanced Tank Ammunition M830 round, various ordnance systems products, and many precision weapons department programs. He directed all procurement activity in support of assigned programs from RFP to program close-out, functioned as the single point of contact for all design changes and purchase order changes, and coordinated & communicated all program material acquisition needs between Honeywell's program team, procurement department personnel, and the supplier teams.

Glenn was awarded the Honeywell Engineering Week Achievement Award for contributions in engineering excellence, 1990.

Senior Procurement Engineer

Honeywell, Defense Systems Division, Minneapolis, MN

Public Company; 10,001+ employees; HON; Electrical/Electronic Manufacturing industry
June 1982 – May 1986 (4 years) | New Brighton, Minnesota

Duties included full responsibility for the purchasing administration, engineering technical interface, cost, delivery, quality, and supplier development in support of engineering development programs.

Production Engineer

Honeywell Inc., Underseas and Ordnance Systems Divisions, Minneapolis, MN

Public Company; 10,001+ employees; HON; Electrical/Electronic Manufacturing industry
 May 1978 – May 1982 (4 years 1 month) | Hopkins, Minnesota

Developed the production process documentation, tooling, gaging, and test equipment and provided ongoing support to manufacturing operations within Mk-46 and Mk-50 torpedo production department at the Underseas Systems Division in Hopkins, Minnesota. Helped to successfully re-engineer and launch the Mk-46 NearTip Ordalt kit.

As a Lead Production Engineer in the Advanced Manufacturing Engineering Programs Department, Glenn planned and implemented the electro-mechanical/pyrotechnic fuzing system initial production facility (IPF) for the SLUFAE weapon system in the 100,000 square foot Building 104, at the Twin Cities Army Ammunition Plant. Duties included leading the cross-functional project team, planning, organizing, directing, and coordinating the design, build, and installation of facility building modifications, capital equipment, special purpose tooling, gaging, and test equipment with all detailed work instructions and related documentation to manufacture at expected production rates. The initial production facility was completed on-time and within budget.

Industrial Engineer - Manufacturing Methods Engineering**Boeing (McDonnell Aircraft Company)**

Public Company; 10,001+ employees; BA; Aviation & Aerospace industry
 June 1977 – May 1978 (1 year) | Greater St. Louis Area

Glenn helped develop and improve manufacturing methods and tooling for the final assembly of the aft fuselage F-15 and F-18 fighter aircraft. Other duties included evaluating employee suggestions, initiating and implementing cost reduction initiatives, conducting value engineering studies, and performing time & motion studies.

Glenn F. Byrnes, PhD's Skills

Operations Management Manufacturing Engineering Supply Chain Management Quality Management Quality Assurance
 Quality Engineering Procurement Government Procurement Launch Of New Products High Volume Production
 low volume production high mix high technology Defense Industry Transportation electronic assembly chassis build
 Statistical Analysis Minitab Monte Carlo Simulation

[View All \(28\) Skills](#)

Glenn F. Byrnes, PhD's Education

Warren National University

PhD, Business Administration
 2005 – 2008

New Mexico State University

Master of Science, Industrial Engineering
 1992 – 1994

University of Minnesota-Twin Cities

Bachelor of Science, Mechanical Engineering
 1973 – 1977

Glenn F. Byrnes, PhD's Additional Information

Websites:

- [Company Website](#)
- [PNHP](#)

Groups and Associations:

Certified Lean Six Sigma Master Black Belt Instructor; Certified Manufacturing Engineer; Certified ISO 9000 Quality Management System Assessor; Certified Production Technician; Society of Manufacturing Engineering; American Society for Quality; Physicians for a National Health Program; Covewood Neighborhood Association; Assistant Professor and Program Director for Manufacturing Engineering Technology, Oregon Institute of Technology, 1992-1994; Instructor, ASQ CQE Refresher, TVI, Albuquerque, NM, 1996; Adjunct Faculty Member, Anderson Schools of Management, University of New Mexico, Decision Sciences Department, Albuquerque, NM, 1994-2000; Officer, Chapter 6, Society of Manufacturing Engineers, Fairfield, CT, 2000-2006; Engineering Technology Instructor and Program Manager, Hillsborough Community College, 2007-2009.



ATK Current Employees and Alumni



Banner Center for Advanced Manufacturing



Boeing Alumni



Goodrich Past and Present Employees



Lean Six Sigma Academy LLC



Minitab Network



Palisade @Risk Users



Society of Manufacturing Engineers - Chapter 159

Honors and Awards: Honeywell Engineering Week Achievement Award, 1990;
Alliant Techsystems Engineering Week Achievement Award, 1991;
Commendation for SPC implementation success at Honeywell's Defense Avionics Systems Division, Albuquerque, NM, 1993;
Commendation for community service activity by the Oregon Institute of Technology President, 1995
Selected by Motorola Inc to deliver updated Digital Six Sigma training to the worldwide workforce, 2002.

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