



Dean L. Bartles, Ph. D., FSME, FASME
President and CEO – Manufacturing Technology Deployment Group
Past President and CEO – National Center for Defense Manufacturing & Machining
Past President – National Tooling and Machining Association
Past President – North American Manufacturing Research Institution
Adjunct Professor - Mechanical Engineering and Science – University of Illinois – Urbana Champaign
Past President – SME (Society of Manufacturing Engineers) - 2016
Founding Executive Director - Digital Manufacturing and Design Innovation Institute
Founding Chairman – Smart Manufacturing Leadership Council
Cell: (727) 251-7671
dean.bartles@ncdmm.org

EXPERIENCE

President and CEO – Manufacturing Technology Deployment Group. 14141 46th Street North, Suite 1203, Clearwater, FL 33762; September 2020 to Present.

Lead the Manufacturing Technology Deployment Group, Inc. (MTDG) of companies that is committed to transforming the advanced manufacturing industrial base throughout the world by driving innovation and accelerating growth. Established in 2020, MTDG seeks to advance innovative technologies and best practices into global manufacturing markets while expanding into the broader U.S. manufacturing sector beyond the defense industrial base currently served for nearly 20 years by our subsidiary company, the National Center for Defense Manufacturing and Machining (NCDMM). At MTDG, our goal is to help small to medium-sized manufacturers, regardless of geographic location, innovate, thrive, and succeed.

President and CEO – National Center for Defense Manufacturing & Machining. 486 Cornel Road, Blairsville, PA 15717; May 2019 to September 2020.

Lead a not-for-profit organization consisting of 45 employees and multiple offices involved in applying advanced manufacturing technology solutions to production issues in the Defense Industrial Base. Responsible for the management of the first Manufacturing USA Institute focused on Additive Manufacturing branded as America Makes.

President – National Tooling and Machining Association. 1357 Rockside Road, Cleveland, OH 44134; August 2018 to Present.

Lead an association of over 1200 members of the U.S. precision custom manufacturing industry achieve profitable growth and business success in a global economy through advocacy, advice, education, networking, information, programs and services.

EXPERIENCE (continued)

Director – John Olson Advanced Manufacturing Center – University of New Hampshire. 121 Technology Drive, Durham, NH 03824; May 2017 to August 2018.

Design, build, and run a brand-new Advanced Manufacturing Center focused on Industry 4.0, Smart Manufacturing, Digital Manufacturing, High Precision Machining, and Robotics.

Senior Technology Advisor (Independent Contractor) – American Society of Mechanical Engineers. 2 Park Avenue, New York, NY; August 2016 to May 2017.

Develop new programs and product offerings focused on advanced manufacturing technologies that lead to deeper and more meaningful industry engagement.

Executive Director – Digital Manufacturing & Design Innovation Institute: Chief Manufacturing Officer – UI LABS. 1415 North Cherry Avenue, Chicago, IL 60642; April 2014 to August 2016.

Complete responsibility for standing up the Digital Manufacturing and Design Innovation Institute from scratch to include responsibility for developing technology roadmap, strategic investment plan, workforce development plan, and technology transition plan as well as recruitment and retention of diverse membership base consisting of over 300 members. As Executive Director, I was the lead recruiter for identifying and targeting and selling companies on becoming a member of the Institute.

Vice President and General Manager. General Dynamics, Ordnance and Tactical Systems Division (formerly Primex Technologies); 11399 16th Court North, St. Petersburg, FL 33716; (727) 578-8200; September 2001 to April 2014.

Complete Profit and Loss responsibility for a \$600 million Strategic Business Unit within the Ordnance and Tactical Systems division (\$2.5 billion) of General Dynamics Corporation (\$32 billion). Responsibilities included the management of a 200 person manufacturing operation in Red Lion, PA; a 300 person manufacturing operation in Scranton, PA, a 150 person manufacturing operation in Joplin, MO as well as a 150 person Systems Engineering group in St. Petersburg, FL. Grew SBU from \$135 million in 2001 to over \$600 million. As VP and GM, I served as the tip of the spear for business development, marketing and sales for my SBU and personally managed the SBU's sales and marketing organization.

Vice President. Marketing and Business Development. Primex Technologies, Ordnance and Tactical Systems Division (formerly Olin Ordnance); 10101 Ninth Street North, St. Petersburg, FL 33716; (813) 578-8200; January 1997 to September 2001.

Direct all Business Development, Marketing, and Sales activity for the entire Division. Set up and manage complete network of country representatives throughout the Mid-East, Far-East, Europe, North and South America. Complete responsibility for all market strategy, advertising, new business development and all direct customer interface.

EXPERIENCE (continued)

Sr. Director. Business Development. Olin Ordnance; 10101 Ninth Street North, St. Petersburg, FL 33716; (813) 578-8200; September 1990 to January 1997.

Direct all Business Development, Sales, International Marketing and Domestic Marketing for all technology transfer programs, co-production programs, and facilitization programs targeted at USG facilities, foreign government facilities, domestic and foreign companies.

Program Director. International Programs. Olin Ordnance (formerly General Defense Corp.); 10101 Ninth Street North, St. Petersburg, FL 33716; February 1989 to September 1990.

Direct all International Programs consisting of technology transfer programs, co-production programs, and facilitization programs. Manage International "Bid and Proposal" activity, lead all International contract negotiations, and direct all Program Management activity related to the execution of contractual programs from inception to completion.

Director. International Programs and Contracts. General Defense Corporation, International Division; 3350 Whiteford Road 17402; (717) 755-0755; April 1986 to February 1989 when company was purchased by Olin Ordnance.

Direct functions of Program Management, Contracts Administration, Purchasing and Subcontract Management, Bids and Proposals, and Advertising/Promotions. Reported directly to the President of the International Division and was completely responsible for the entire operations side of the business.

Program Manager. International Coproduction and Facilitization Programs. General Defense Corporation, Flinchbaugh Division; 200 East High Street, Red Lion, PA 17356; (717) 244-4551; August 1983 to April 1986.

Managed International manufacturing technology transfer programs, and facility installation projects. Directed the design, fabrication, procurement and installation of all applicable production, inspection, and material handling equipment/systems. Managed preparation and eventual transfer of technical data packages, associated manufacturing know-how and complete training programs.

Program Administrator. Fairchild Republic Company; 100 Showalter Road, Hagerstown, MD 21740. November 1978 to August 1983.

Managed the production and delivery of all spare parts and retrofit kits for the A-10 Close Air Support Aircraft. Directed the evaluation of engineering change proposals and inter-facility work authorizations.

EDUCATION

Ph. D. in Technology Management (concentration in Manufacturing Systems). Indiana State University; 530 North 5th Street, Terre Haute, IN 47809. Degree conferred May 2013.

Doctorate in Business Administration. Nova Southeastern University; 3301 College Avenue; Ft. Lauderdale, FL 33314; Degree conferred July 2000.

Masters in International Business. Tampa College; 1500 U.S. Highway 19 South, Clearwater, FL 34624; Degree conferred May 1991.

Masters in Business Administration. Shippensburg State University; Shippensburg, PA. Degree conferred December 1981.

Bachelor of Science in Business Administration. Shepherd College, Shepherdstown, WV. Degree conferred 1978.

Associate of Arts in Accounting and Business. Hagerstown Junior College, Hagerstown, MD. Degree conferred 1976.

AWARDS

2005 – selected to serve on U.S. Department of Commerce Secretary Carlos M. Gutierrez’s U.S. Manufacturing Council.

2006 - “Victor Lindner Development Award” for outstanding contributions in the areas of manufacturing and research/development by the Picatinny Chapter of the National Defense Industrial Association.

2010 – elected to Society of Manufacturing Engineers’ International Board of Directors.

2012 - inducted into the College of Fellows of the Society of Manufacturing Engineers. Since 1986, the SME College of Fellows has honored those members who have made outstanding contributions to the social, technological and educational aspects of the manufacturing profession. This is a highly prestigious honor that can only be earned through years (20 or more) of dedication and service.

2012 - inducted into the College of Fellows of the American Society of Mechanical Engineers (“ASME”). According to ASME, “The Fellows Grade is the highest elected grade of membership within ASME, the attainment of which recognizes exceptional engineering achievements and contributions to the engineering profession.”

2012 - National Center for Advanced Technologies’ “Defense Industry Manufacturing Excellence Award”. This award recognizes an individual in the defense manufacturing community for making outstanding contributions to furthering manufacturing science and technology in the United States.

2012 - “Industry Innovation Award” presented by the Association of Technology, Management, and Applied Engineering (“ATMAE”) to individuals in business, industry and/or the private sector who have created better or more effective products, processes, services, technologies, or ideas that are accepted by markets, governments, and society.

2013 - “William E. Warner Professional Practice Award” for exemplary achievements as a practitioner in one of the professions in technology given by the Epsilon Pi Tau National Honor Society.

AWARDS (continued)

2013 - Jesse S. Heiges Distinguished Alumni Award from Shippensburg University. The Heiges Award, established in 1959, is the University's highest award. The award recognizes the recipients' distinguished achievements in their field of endeavor to benefit community and society. Recipients have also, through their work and service, contributed immensely to society.

2014 - Production and Operations Management Society's "Martin K. Starr Excellence in Production and Operations Management Practice Award" which is given to recognize exceptional quality and quantity of contributions made to the field of Production and Operations Management. This award is presented to an individual who has done an exceptional job in making advances in the practice of Production and Operations Management, promoting the profession, making a significant impact to the field, and who has exemplified collaboration through building a significant linkage between industry and academics.

2014 - "Manufacturing Leadership Award" that is awarded by the Manufacturing Leadership Council to honor individual manufacturing leaders that are shaping the future of global manufacturing.

2014 - "Manufacturing Leader of the Year" by the Manufacturing Leadership Council. This award is voted on by a panel of expert judges and the candidate is chosen from the pool of all 2014 award recipients based on the highest number of votes.

2014 – "M. Eugene Merchant Manufacturing Medal" of ASME/SME. The M. Eugene Merchant Manufacturing Medal of ASME/SME is awarded to an individual who has had significant influence and responsibility for improving the productivity and efficiency (either by research or by implementation of research) of the manufacturing operation. This award was established in 1986 in honor of M. Eugene Merchant who is recognized as a pioneer in CNC machining.

2015 – selected to serve on the Manufacturing Leadership Council Board of Governors.

2016 – elected to serve as President of Society of Manufacturing Engineers' International Board of Directors.

2016 - included in the list of thirty "advanced manufacturing visionaries" in the Society of Manufacturing Engineering's inaugural issue of "Smart Manufacturing".

2016 - selected by the Manufacturing Leadership Council to receive the award for "Visionary Leadership" which is awarded to a person who has demonstrated, through their ideas, values, and achievements, that they have emerged as leaders in their organizations and markets.

2017 – "Outstanding Alumni Award" – Indiana State University College of Technology

2018 – recognized by Smart Industry as a "Smart Industry 50 Digital Innovators"

2019 – received the "Donald C. Burnham Manufacturing Management Award" which is part of SME's International Honor Awards and recognizes exceptional success in the integration of the infrastructure and processes of manufacturing through innovative use of human, technical and financial resources.

2019 – recognized by Industry Era Magazine as one of "Ten Best Technology Leaders – 2019"

2019 – elected to serve on the Intelligent Manufacturing Systems International Board of Directors

2020 – recognized by Industry Wired magazine (September/October 2020) as a "Top Successful Business Leaders to Follow in 2020".

2020 - named to National Small Business Association Leadership Council