JEFFREY D. MARSH, PHD

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Broadly seasoned business operations executive bringing over 50 years of experience and innovation to a diverse industry spectrum.

Major Programs Brought passenger car Skid Control (ABS) from prototype stage to full production hiring and training all functions in the division – establishing the world's first passenger car ABS manufacturing facility. Brought truck Skid Control Systems (FMVSS-121) from R&D to full production. Wrote basic patents in Wheel Speed Sensing

Developed Electronic Traction Control Systems for both passenger car and trucks. Built concept vehicles in both passenger cars and trucks. Wrote the seminal integrating patent for ABS and Traction Control.

Developed Positive Displacement Supercharging Systems for passenger cars. Created and managed the division's engineering organization. Built commercially acceptable, emissionized concept cars that met future CAFE requirements for all of the major OEMs.

Developed and patented the Espresso BookMachine installed worldwide by On Demand Books and Xerox. Thirteen patents have been allowed to date. More patent pending. Developed a new high speed printer printing 100 duplex pages a minute in a 24" x 24" footprint – patent pending.

Brought back the lost art of design and manufacture of Bait Casting Fishing reels to create a 100% made in the USA product. Totally new conceptual design in patent application. Created a new family of high performance lubricants. After developing the product, created the manufacturing line and provided a turnkey operation for the investors.

Creating a plant-wide data acquisition, process control, and management information system for an industry leader in the investment casting business. Along with the traditional benefits gained from SCADA systems, this company can determine the entire life history of any given part from its introduction into the production stream through final inspection minute-by-minute (and in some processes, second-by-second) of all factors that play into the creation of the part.

- Engineering Experienced in R&D, product, process, and manufacturing engineering. Established complete engineering organizations for two major automotive suppliers. Rebuilt an entrenched inflexible engineering directorate at a third. Established the engineering presentation standard at Bendix. Recipient of the Outstanding Oral Presentation Award by the Society of Automotive Engineers.
- Manufacturing Experienced in all phases of manufacturing including metalworking (tool & die, press work, hot metal forming, fabrication, heat treating, etc.), high and low volume assembly and test (automated and non-automated) and "clean room" quality creation of electronic, pneumatic and hydraulic products. Union & non-union environments.
- Marketing Experienced in creation of complete concept vehicles and marketing concepts to major automotive and truck OEM's world-wide. Performed numerous market feasibility studies on a wide range of products and services.

Information Developed the drug retail industry's premier theft loss management software.

Systems Created state of the art image storage and retrieval system. Developed numerous business operating systems (financial and managerial). Created medical and psychiatric clinic management systems. Created one of the engineering industry's leading classification and retrieval systems. Created an 'electronic book' both in CD and Web formats marketed by the Midwest's premier Business Directory Publisher – Sorkins Directories. Created (patents pending) text to voice "Spoken Book" book production system. Developed and implemented total process management systems.

"Hired Gun" Called in by investment community to perform hands on turn-around management. Provided support in acquisitions & de-acquisitions to major and small corporations. Provided total services from concept thru initial production (including clinical testing) of a medical product for local investor group. Developed numerous devices in conjunction with a leading local neurosurgeon. Wrote numerous successful business plans. Utilized by a local leading patent firm as a consultant to their clients regarding problems in transitioning from concept to production. Provide "adjunct" services as financial consultant and strategic business information acquisition to a wide variety of businesses.

Teaching Certificated FAA Flight and Advanced Ground Instructor since 1972.

1986-1988: Adjunct Professor St. Louis Community College and Adjunct Professor Lindenwood University. Finance, Human Resource, and Operations Research courses. Developed a new finance and accounting course for St. Louis Community College that reversed attendance to "standing room only" status. Course popularity was such that a local major manufacturer requested a private term for their managers nationally.

2011 to present: Adjunct Professor Lindenwood University. Management, Operations, Finance & Accounting, and Statistics topics – graduate and undergraduate. Created and teaching LU's OnLine Fundamentals of Financial Management for Masters Program in Leadership.

Education

PhD, Organization and Management, Capella University
Doctoral Studies in Business Administration, NOVA University
MBA, Advanced Management Program, Michigan State University
BSEE with minor in Mechanical Engineering, Lawrence Institute of Technology



Employment 1960-1968 President, James D. Anderson Company – Took control of a small steel fabrication company whose president had suddenly died and the remaining salaried staff had left to start a competitive business. Created new processes along with a new concept forging machine. Built the business back to profitability.

1968-1976 Kelsey-Hayes Corporation – Built the skid control division from scratch. Resolved a major plant start-up failure building a new product. Created new products. Principal Engineer within Kelsey Research Division advising on commercial feasibility of research projects.

1977-1978 Dyneer Corporation – Research Manager in charge of new product development and testing. Pioneered electronic traction control concepts.

1978-1982 Bendix Corporation – Manager of Manufacturing for company's oldest and largest facility. Director of Mechanical Technologies Section for Bendix Research Division. Director of Engineering for Bendix Supercharger Division. All three positions were dedicated to leading massive organizational change.

1982-1984 Carter Automotive – Senior Director over OEM business unit, Senior Director – all operations. Major turn-around of poorly performing operations.

1984 – Present Marsh Companies – President The main focus of my companies is on product, process, and organizational innovation.

1986-1980 - Adjunct Professor Lindenwood University, Adjunct Professor St. Louis Community College.

2011 to Present - Adjunct Professor Lindenwood University, Owner Marsh Intellectual Properties, LLC, Managing Partner Perfect Systems, LLC



