



EMTEC Services & Programs

Help to Ohio Companies:

Accelerate Technology to Market

- » New Product Development (PDQ) Center
- » Request for Help (RFH) Program
- » Engineering support from design to market entry
- » Job creation / retention through new products

Benefit: Accelerated development at lower cost

Product Positioning

- » Technical specification, reviews, & market analysis
- » Neutral evaluation of products
- » Business and marketing plan support
- » Process and product improvement strategies

Benefit: Maximize market impact

Access to Funding

- » Standard capital sources – grants, equity, & loans
- » Federal / State sources - Dept's of Defense, Energy, & Commerce; Ohio Third Frontier, etc.
- » Neutral partner for establishing collaborations
- » Grant proposal preparation and team formulation

Benefit: Opportunities for lower risk capital

Streamline Business

- » Cost reduction with lower production / business costs
- » Coordination and mgt. of collaborative programs
- » Workforce and process development
- » Supply chain databases for specific markets (fuel cell, solar, wind, etc.)

Benefit: More focus on new products / technologies

Improve Revenues

- » Over \$200 million economic benefit to Ohio annually
- » Procurement Technical Assistance Center (PTAC)
- » International Trade Assistance Center (ITAC)
- » Intellectual Property (IP) licensing and compliance

Benefit: New market opportunities

Company Designations

Corporate Status: Non-profit 501.(c).3 corporation

DUNS #: 17-492-8382

NAICS: 541710; 541720

SIC: 8733

Cage Code: 0YVZ2

EMTEC Overview

A team of technology specialists, engineers, and business professionals dedicated to providing customized technology to market solutions for our members / clients.

For over twenty-four years the Edison Materials Technology Center (EMTEC) has provided innovative programs and services that enable technology and economic growth in Ohio. In today's globally competitive economic environment EMTEC remains committed to its *mission to accelerate the development, deployment, and commercialization of advanced technologies to market through a collaboration of industry, academia, and government.* EMTEC is an Edison Emerging Technology Center serving as a full service technology commercialization partner with an extensive track-record of improving its members'/clients' profitability. EMTEC's expertise in commercialization includes an integrated suite of technical/business services that lower the risk of moving technologies, products, and services to successful market entry. EMTEC's engineering, technical, and business expertise is derived not only from our staff's extensive academic credentials but, more importantly, real-world experience in cross-cutting technologies such as advanced energy; instruments, controls, and electronics; and advanced materials.

Contact Information:

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Key EMTEC Personnel

Frank Svet – President and CEO of EMTEC has over forty years experience including AMETEK Corporation as Division Vice President and Vice President and General Manager of the Test and Measurement Instruments Division. Mr. Svet is a Registered Professional Engineer in New York and has been awarded 4 United States Patents and won numerous awards for new product innovation. He is a Senior Member of the Institute of Electrical and Electronic Engineers, member of the Society of Automotive Engineers, and an associate member of the American Federation of Communications and Consulting Engineers. Mr. Svet holds a BSEE and MSEE from the Rochester Institute of Technology.

Robert Shinkle – Vice President Administration and Government Relations has been an investment banker, a commercial pilot, and served as a political strategist for many years in Michigan before accepting an appointment inside the Voinovich administration in Ohio. In addition to his EMTEC position, Mr. Shinkle currently serves on the boards of BuyCastings.com, Inc., and the Ohio Energy Projects where he also is Executive Committee Treasurer. His professional licenses include MSRB Licensed Municipal Securities Principal (Series 53), Licensed Registered Representative – General Securities (Series 7), Licensed NASD Uniform Securities Agent State Law (Series 63), and FAA Licensed Commercial Pilot and Flight Instructor (US DOT/FAA). Mr. Shinkle obtained his B.A. in Political Science from Michigan State University and MBA with a concentration in Finance from the University of Toledo.

David W. Swenson – Vice President Business Initiatives has over thirty years experience in managing business start-ups and divisions of multi-national corporations with extensive international experience. Mr. Swenson's technology and new product development experience includes alternative energy, ceramics, coatings (CVD inorganics and organic/polymeric), infrared materials, and controlled release systems. In addition to his EMTEC position Swenson serves on the boards of the Dayton Entrepreneur Center and DaytonDefense. He is author of eight technical papers and two book chapters, keynote speaker on innovation, and steering group member of the National Conference on Innovation. Mr. Swenson holds a B.S. in Chemistry from Union College and an MBA with a concentration in Finance from the University of Dayton.

Michael C. Martin, PhD. – Vice President Alternative Energy Technology has spent more than thirty years in engineering design, product manufacturing, and business development in both large corporations (General Dynamics) and very small companies (Composite Specialties Inc.). He has designed and manufactured over a hundred products utilizing circuit design, electromechanical controls, and/or electro-optics. Dr. Martin received a BSEE from Arizona State, MBA from UCLA, MS and Ph.D. in Materials Science from University of California at Irvine.

Jon VanDonkelaar – Vice President Product Development has over twenty-five years experience in engineering, commercialization, and new product development. His previous positions, among others, include Senior Engineer with Dayton Power and Light Co. Jon has had 4 publications, three patents and is currently affiliated with the Engineering Technology Industrial Advisory Councils at both the University of Dayton and Sinclair Community College. Mr. VanDonkelaar holds a BSEET from the University of Dayton.

Joe Hager, PhD. – Director Federal Lab / University Technology Commercialization has over twenty five years in materials research and development involving polymers, ceramics, metals, and composites. His work at the Wright Research and Development Center (now Air Force Research Lab or AFRL) was focused on carbon foams and other advanced high temperature and structural materials. Other experience includes work on carbon nanofibers, extraction/separation of hydrogen from petroleum and coal, and novel electrical energy storage systems. Dr. Hager has also been Assistant Professor of Engineering Mechanics at the U.S. Air Force Academy, Program Manager with the Air Force Office of Scientific Research, independent technical consultant, and he has started two materials technology companies. Dr. Hager has a B.S. in Chemical Engineering and MS in Engineering both from Purdue University, and a PhD. in Materials Science and Engineering from the University of Florida. In addition, Dr. Hager was a Fulbright-Hayes Scholar in thermodynamics with the Technical University of Darmstadt (Germany). Dr. Hager holds two patents on carbon and composites and has numerous technical publications.

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