



# J. B. Shepherd & Company, Inc.

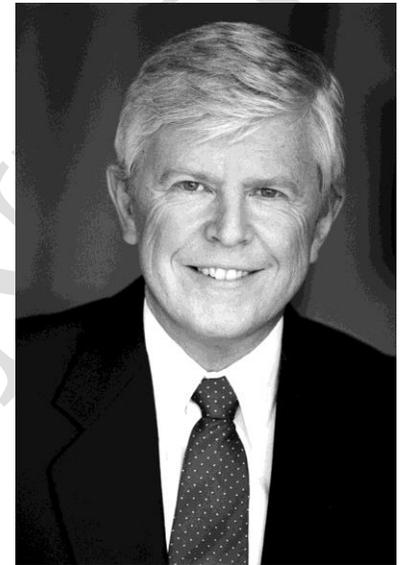
1003 S. Alexander Street, Suite 9  
Plant City, FL 33563  
352-793-9300  
www.JBSCO.com

## Curtis E. Falany, P.E.

### *Curriculum Vitae*

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Direct Dial: (352) 458-5302



### **PROFESSIONAL SERVICES:**

- ❖ Forensic investigation and evaluation of matters involving damages, injury, or loss of life from electricity or electrical contact.
- ❖ Forensic investigation and evaluation of electrical failures, fires and explosions from known or unknown causes (lightning and electrical surges, equipment malfunction, and human resource failure).
- ❖ Forensic investigation and evaluation of complex electrical and electronic systems, including computer, communications, networks, office automation, electrical power and control systems.
- ❖ Interpretation and application of the National Electrical Code, National Electrical Safety Code, Electrical Safety in the Workplace, Occupational Safety and Health Rules.
- ❖ Forensic investigation of Workers Compensation claims involving electrical workers.
- ❖ Forensic investigation and evaluation of electrical contracting and construction disputes including Surety.
- ❖ Forensic investigation and evaluation of process control computer systems, software and equipment for manufacturing, energy production and distribution, data communications, telecommunications and space/defense.
- ❖ Expert testimony in Federal and State litigation.

### **PROFESSIONAL QUALIFICATIONS:**

- ❖ Professional Engineer in Alabama # 32507-E
- ❖ Professional Engineer in Georgia # PE043090
- ❖ Professional Engineer in Delaware # 23015
- ❖ Professional Engineer in Illinois # 062.070900
- ❖ Professional Engineer in Florida # 15875
- ❖ Professional Engineer in Kentucky # 34665

- ❖ Professional Engineer in Louisiana # 42368
- ❖ Professional Engineer in Mississippi # 29384
- ❖ Professional Engineer in North Carolina # 047669
- ❖ Professional Engineer in North Dakota # PE-27536
- ❖ Professional Engineer in Oklahoma # PE 31511
- ❖ Professional Engineer in Pennsylvania # PE085447
- ❖ Professional Engineer in South Carolina # 35358
- ❖ Professional Engineer in Tennessee # 121881
- ❖ Professional Engineer in Texas # 134689
- ❖ Professional Engineer in Utah # 10932000-2202
- ❖ Professional Engineer in West Virginia # 21981

### **OTHER LICENSES:**

- ❖ Certified Building Contractor, Florida – since 1975 #: CBC-1252457
- ❖ Certified Electrical Contractor, Florida - since 1972 #: EC 477
- ❖ General Radiotelephone Operator License - # PG7T10053

### **CERTIFICATES:**

- ❖ Board Certified Diplomate in Forensic Engineering by NAFE, a Council of Engineering & Scientific Specialty Boards (CESB) Member Board. #: 746M



### **EDUCATION:**

- ❖ Florida State University, School of Engineering Science, Bachelors in Engineering Science, 1969
- ❖ Florida State University, School of Engineering Science, Graduate Studies, 1970
- ❖ University of South Florida, College of Engineering, Graduate Studies in Engineering Science, 1971 – 1973 (Engineering Science program moved from FSU to USF)
- ❖ University of South Florida, College of Engineering, Graduate Studies in Chemical Engineering, Process Control Specialty, 1991

### **INDUSTRY AND COMMUNITY ACTIVITIES:**

- ❖ Florida Engineering Society (F.E.S.) #: 9018252
- ❖ Institute of Electrical and Electronic Engineers (I.E.E.E.) #: 90215851
- ❖ National Academy of Forensic Engineers (N.A.F.E.) #: 746M

- ❖ National Fire Protection Association (N.F.P.A.)
- ❖ National Society of Professional Engineers (N.S.P.E.) #: 300030655
- ❖ Utility Arborist Association
- ❖ Florida Electrical Contractor's Licensing Board – 2006 - 2007

### **EMPLOYMENT HISTORY:**

- ❖ **2012 – Present:** J.B. Shepherd & Company, Inc., Bushnell, FL  
*President and Principal Engineer*  
 J.B. Shepherd & Company, Inc. is an Electrical and Forensic Engineering firm that provides expert opinions and strategic advice to Attorneys and Corporations in support of litigation involving technical issues. The firm's primary focus is on accident investigation, electrical safety, electrocution, injury and/or property damage.
- ❖ **2007 – Present:** Curtis E. Falany, LLC, Plant City, FL  
*Managing Member*  
 Forensic Consulting Engineer and Expert Witness.
- ❖ **2004 – 2018:** Qwik.Net Systems, Inc., Plant City, FL  
*Founder, Officer, Director*  
 An internet technology and hosting company specializing in innovative solutions for law, medical and insurance professionals.
- ❖ **1991 – Present:** Forcon International Corp. Brandon, FL  
*Associate*  
 Consulting in complex electrical and electronic systems, including computers, communications, networks, office automation, electrical power and control systems. Forensic investigator and expert witness in matters involving injury or loss of life from electrical contact in addition to a wide variety of failures and losses, including fires and injuries from known or unknown causes such as lightning and electrical surges, equipment malfunction and human resource failure.
- ❖ **1988 – 2007:** ComputerMAX, Inc., Plant City, FL  
*Founder, Officer, Director*  
 Consulting in electrical systems, control systems and computer systems hardware, software design and programming. Forensic investigator and expert witness in computer systems and their operation, maintenance and installation.
- ❖ **1975 – 1987:** Energy Control Contractors, Inc., Plant City, FL  
*Founder, Officer, Director*  
 A business that sold and serviced process control computer systems and equipment worldwide for manufacturing, energy production and distribution, data communications, telecommunications and space/defense. It specialized in MODCOMP based computer control systems and successfully developed and marketed to MODCOMP users, several aftermarket memory and 'ramdisk' products. The company was sold in 1987 to a group of investors in, and moved to Ocala, Fl.

- Southern Memory Devices, Plant City, FL; Founder, Officer, Director of a worldwide dealer in rotating memory devices for real time and process control applications. This company was merged into Energy Control Contractors, Inc.
- EGS Systems, Inc., Plant City, FL; Founder, Officer, Director of a computer software development and consulting firm. The company became involved in industrial control design and electrical engineering and was eventually merged into Energy Control Contractors, Inc.
- ❖ **Early 1970s to 1975:** James Linick and Associates, Consulting Engineers, Tampa, FL  
*Chief Electrical Engineer*  
Specializing in electrical lighting and power distribution design, data acquisition and control, process control system design and turn-key construction. Purchased the computer systems capabilities from James Linick and Associates and formed EGS Systems, Inc.
- ❖ **Early 1970s to mid 1980s:** C. E. Falany, Electrical Contractor a/k/a Falany Electric, Plant City, FL  
*Sole Proprietor*  
Licensed electrical contractor, residential, commercial, light industrial electrical design-build firm. Merged into other interests, principally ComputerMAX, Inc. and Curtis E. Falany, LLC.
- ❖ **1972 – 1973:** College of Engineering, University of South Florida, Tampa, FL  
*Adjunct Faculty*  
Research in computer based data acquisition and control and process control. Research and Development in Nuclear Magnetic Resonance.
- ❖ **1971 – 1972:** Advanced Development Laboratory, Honeywell Information Systems, Tampa, FL  
*R&D Engineer*  
Specializing in data communications research and development.

### **PRESENTATIONS/PUBLICATIONS:**

- ❖ “Forensic Investigation of Electric Shock Drowning: Speculation vs. Reality”, National Academy of Forensic Engineers Seminar, Denver, CO, July 2019.
- ❖ “Forensic Investigation of Wild Land Fires of Suspected Electrical Origin”, National Academy of Forensic Engineers Seminar, New Orleans, LA, Jan 2017.
- ❖ “Forensic Engineering Analysis of Lightning Strike and Surge Losses”, National Academy of Forensic Engineers Seminar, Minneapolis, MN, July, 2013.
- ❖ “A ‘Heads Up’ on Knock-Offs, Copies, Counterfeits and Chinese Copies”, Southern Surety and Fidelity Claims Conference, April 2011.
- ❖ “The Case of the Knock-Off Motor”, EC&M, Penton Media, Inc., Overland Park, KS September, 2007.
- ❖ “Determining Fault in Electrical Contact Injuries”, The Consultants Perspective, a Sugar Publication, Summer, 2007.

- ❖ “Portable Generators and Surge Protectors Can Make a Fiery Combination”, The Consultants Perspective, a Sugar Publication, March, 2007.
- ❖ “Surety, Technology, and Intellectual Property”, Northeast Surety and Fidelity Claims Conference, September, 2003.

NOT RETAINED