

## EMF CAPABILITIES STATEMENT

**VitaTech Engineering, LLC** offers *full-spectrum* professional electromagnetic field (EMF) services including surveys and measurements, exposure and risk assessment, electromagnetic interference (EMI)/radio frequency interference (RFI) detection, shielding and cancellation. Our trained staff is thoroughly qualified to provide the following commercial, industrial, and scientific EMF services:

- **EMF Surveys & Measurements: DC (subways, elevators, MRIs, NMRs), AC (power lines, transformers, trains), RF (AM/FM, TV, mobile, cellular), Microwave/Radar & EMP;**
- **EMI/RFI Detection, Control & Reduction -- Electromagnetic Compatibility (EMC);**
- **EMF Scientific Shielding (DC & AC ELF Magnetically Shielded Rooms & MRIs, etc.);**
- **RF Shielded Enclosures (Biomedical Research, MRIs, SCIFs, TEMPEST/ EMSEC, etc.);**
- **EMF Simulations (DC, AC ELF, RF & HEMP/EMP) & Mitigation Strategies; and,**
- **Nanotechnology Site Planning & Facilities Assessment (over 20 Nanotech projects to date).**

## RECENT BUSINESS ACTIVITIES & COMPANY CLIENTS

VitaTech performs the most comprehensive EMF measurements and site surveys in the industry and provides our clients clearly written, well-documented final reports with practical and cost-effective EMF solutions. We have extensive experience recording and analyzing EMF/RF emissions from MRIs and NMRs, subways and electric trains, transmission and distribution lines, transformers, secondary feeders, switchgear rooms, substations, industrial processing facilities and computer monitors plus RF antenna, microwave and radar sources. When EMF levels exceed acceptable EMI/RFI equipment susceptibility levels, VitaTech recommends, designs and installs *state-of-the-art* mitigation solutions: electromagnetic shielding - rooms, feeders, risers, transformers, electric panels, switchgear rooms and active cancellation systems - reduce emissions in buildings adjacent to overhead and underground power lines. We also offer our expert EMF and EMP/HEMP engineering services to military and government agencies.

### **A random, partial list of recent VitaTech EMF clients include:**

ABC/Capital Cities, New York City, NY  
American Chemical Society, Washington, DC  
Bell Atlantic, Baltimore, MD & NYC, NY  
Borough of Manhattan Community College, NYC, NY  
Boston Properties, Times Square Projects, NYC, NY  
Brookhaven National Laboratories, Brookhaven, NY  
Cafritz Company, Washington, D.C  
Charles Schwab, Boston, MA  
Champaign Recording Studio, Nashville, TN  
CitiBank, New York City, NY  
Cornell University, Duffield Hall, Ithaca, NY  
Cushman & Wakefield, New York City, NY  
Department of Energy, Newport News, VA  
Dulles International Airport, Chantilly, VA  
Georgia Technical Institute, Atlanta, GA  
George Washington University Med, Washington, DC  
Goldman Sachs & Co., Chicago & NYC  
Johns Hopkins University, Baltimore, MD  
Harvard University, Cambridge, MA

Mayor's Office, New York City, NY  
Naval Research Laboratory, Washington, DC  
New York Hilton & Towers, NYC, NY  
NIST New Research Facility, Gaithersburg, MD  
Raytheon Missile Defense Sys, Fullerton, CA  
Rockefeller Center, NYC, NY  
Sheraton & Hilton Hotels, NYC, NY  
Silicon Graphics, Inc., Mountain View, CA  
Sloan-Kettering Medical Center, NYC, NY  
Social Security Admin., Washington, DC  
St. Mary's Medical Center, Duluth, MN  
Swiss Bank, Stamford, CT  
Bear Stearns New Headquarters, NYC, NY  
O&R Substation, Town of Stony Point, NY  
World Trade Center, NYC, NY (before 9/11)  
7 World Trade Center Reconstruction, NYC, NY  
W.W. Grainger, Headquarters, Lake Forest, IL  
University of Florida, Gainesville, FL  
University of New Mexico, Albuquerque, NM

---

## VITATECH ENGINEERING TEAM

### **Louis S. Vitale, Jr., President & Chief Engineer**

As President & Chief Engineer, Mr. Vitale delivers EMF lectures and presentations to school districts and corporations regarding *perceived threat* and public health issues, presents professional EMF training seminars, performs EMF surveys, designs shielding/cancellation systems and directs research activities. He has established a *working relationship* with federal agencies (EPA, FCC, DOE, NIOSH) responsible for EMF health and policy issues. Besides his EMF expertise, Mr. Vitale has more than 25 years of program management, systems engineering, software development and electronic design experience in several other technical disciplines including biomedical engineering; military command, control and communications systems (C<sup>3</sup>S); and, broadcast television systems.

During his career, Mr. Vitale has held senior technical management positions with Booz • Allen & Hamilton in Washington, D.C., National Broadcasting Company (NBC) in New York City, UNISYS in New York and Mercury Middle East in the United Kingdom and Kuwait. As President of a biomedical research and development company, he invented and designed a battery powered, portable, microprocessor controlled electrocardiograph (ECG) monitor called the *VitaScope*. Mr. Vitale has a B.S.E.E. in electrical engineering from the University of Florida and a B.S./BA in biochemistry and medieval history from the State University of New York at Stony Brook. He has an inactive Top Secret clearance and published numerous EMF articles and technical papers.

### **Davidson A. Scott, P.E., Vice-President of Engineering**

Mr. Scott is the Vice-President of Engineering at VitaTech. He is responsible for RF engineering/RF design, radio frequency exposure analysis and modeling, alternative RF siting options (Stealth, DAS, Microcell), microwave design, non-ionizing electromagnetic radiation analysis, intermodulation/interference analysis, zoning and municipal cellular/RF systems analysis and presentations. His past experience includes: Sprint PCS, Senior RF Design Engineer, Department of Defense, CA/VA, Electronics Engineer (RF Systems/Sensors/Low observables), Department of Defense, Edwards, CA, Supervisory Engineer (RF and Computer systems), USAF Active Duty (2LT-CPT), Edwards AFB, CA. He received a M.S. in Systems Engineering, 1995 from Virginia Polytechnic Institute and State University; B.S., Electrical Engineering, 1985 from Virginia Military Institute. He is a registered Professional Engineer in CA, VA, MD, NC and Florida (pending). He holds a Top Secret, SSBI.

### **Joshua Welling, Director of Operations**

Joshua Welling is a Director of Operations for VitaTech. He is responsible for the collection of EMI/RFI site survey data, generating detailed graphics from the data and presenting these findings to our Engineers for assessments and recommendations. Prior to joining VitaTech, Mr. Welling was a superintendent for a technical security company. He has ran various size jobs ranging from the large, (Washington DC Metro Transit System Fire and Intrusion upgrade,) to the small (installation of CCTV's projects.) Mr. Welling has also managed various projects in Northern Virginia, Maryland and Washington DC. In addition to his management background, Mr. Welling also has an eight-year

background in technical security. Mr. Welling has numerous certifications, ranging from Licensed Security Technician with the Department of Criminal Services (DCJS), Ccure and ISTAR Certified, Basis/Lenel Certified and Level 1 Certification; National Institute Certification of Engineering Technologies (NICET). Mr. Welling has an active Top Secret Clearance.

### **Debra Vitale, RN, Chief Financial Officer (CFO)**

Ms. Vitale is the Chief Financial Officer for VitaTech. She designed the corporate Web Page [www.vitatech.net](http://www.vitatech.net) and as the *Webmaster* maintains the site (CGI integration, web positioning, updates & statistics). Ms. Vitale is a Register Nurse (RN) with over twenty years of medical-surgery and CCU/ICU nursing experience -- the last ten years as a triage and trauma care nurse at a Level 1 Trauma Center in Fairfax Hospital, Virginia. In October 1996 she was featured in the *Washington Post Magazine* article "The Quick and the Dying" by Phil McCombs, which described the trials and tribulations of a Fairfax Hospital triage nurse during a weekend 12 hour evening shift. Ms. Vitale has a B.A. in Sociology and B.S.N. in Nursing from the University of Florida.

### **Jason Chong, Project Manager**

Jason Chong is a Project Manager for VitaTech. He is responsible for the collection of EMI/RFI site survey data, generating detailed graphics from the data and presenting these findings to our Engineers for assessments and recommendations. Prior to joining VitaTech, Mr. Chong worked as a Principal of Good Wood Development, LLC, which is a real estate Development Company. He worked directly with brokers, engineers, architects, bankers and tenants to develop, construct and lease retail/commercial property in Tooele City, Utah. He was also Construction Superintendent at Lennar Corporation in Chantilly, Virginia, building model homes for a new 800 home development project while managing the construction schedule, subcontractors, and warranty issues with homeowners. In 2005 Mr. Chong worked for Orion Management installing Fire Alarms and Intrusion Detection systems for the Washington Metro Area Transit Authority as a part of Homeland Security. Mr. Chong is fluent in Spanish and has a B.A. in Arts/English from Brigham Young University.

### **Jessica Vitale, Director of Business Development**

Jessica Vitale is the Director of Business Development for VitaTech Engineering. She attended Florida Atlantic University from 2003-2006 and studied Marketing and Criminal Justice. She graduated from Florida Atlantic University in December 2006 with a BA in Criminal Justice. She was previously the Assistant Site Coordinator at the University of Oklahoma's Crystal City, VA location for graduate studies before moving to Florida to complete her degree.

### **Greg Slonka, EMF Tech/Simulation Programmer**

Mr. Slonka is an EMF Technician and Simulation Programmer at VitaTech. Greg is responsible for the collection of EMI/RFI site survey data, generating graphics from the data and presenting these findings to our Engineers for assessments and EMF shielding recommendations. Greg models and generates EMF simulations using our state-of-the-

art EMF software (i.e., Ansoft, and other specialized programs), then presents these simulations to our Engineers for review, assessment and shield designs. Mr. Slonka recently simulated the ELF magnetic field emissions emanating from the primary feeders, spot network protectors, transformers, secondary feeders, switchgears, risers, and busways for several high-profile projects in New York City including the World Trade Center (WTC) project (all new towers). Greg attended Virginia Tech and Northern Virginia Community College and is close to completion of his degree.

### **Kimberly Gunzinger, Office Manager**


Ms. Gunzinger is the Office Manager at VitaTech. Kim is responsible for organizing and supervising all of the administrative activities at VitaTech. Kim graduated in May 2008 from George Mason University with a BA in Psychology. Kim is planning to attend graduate school to study Clinical Psychology to pursue a career in Forensic Psychology as a Criminal Profiler.

### **INMEMORIAM**

#### **Larry Moore, Construction Supervisor**

Mr. Moore joined VitaTech in 2000. He was responsible for coordinating and supervising the installation of various EMF shielding projects throughout the United States. Larry installed over forty (40) shielding systems during his career at VitaTech and we were very grateful for his commitment to technical excellence, hard work and company loyalty. He had over thirty years experience in both residential and commercial construction. His extensive construction experience, work ethic, moral decency and "greater than life" personality made him a valuable resource for everyone at VitaTech Engineering. We will all miss him, more than any of us can express. Larry passed away on October 31, 2007 several days after his 50<sup>th</sup> birthday.

***VitaTech Engineering, LLC is the only EMF Company in the United States offering professional EMF engineering services on GSA Schedule - Call (540) 286-1984 for assistance.***

<b>VitaTech Engineering on GSA SCHEDULE:</b>	
	
<b>GSA Number:</b> GS-23F-0294M	<b>Contract Period:</b> 9/3/2007 - 9/3/2012
<b>Maximum Order Amount:</b>	<b>\$750,000 per task order</b>
<b>Volume Discount:</b> 1% on single task orders totaling over \$500,000 <b>Prompt Payment Discount:</b> 1.5% in 20, net 30 days	
<b>Contract Scope:</b>	
871-1 Strategic Planning for Technology Programs/Activities 871-2 Concept Development & Requirements Analysis 871-3 System Design, Engineering & Integration 871-4 Test & Evaluation	
<b>Duns#:</b> 612516690	<b>NAICS Code:</b> 541330
<b>Cage Code:</b> 1W9Z4	<b>SIC Code:</b> 8711

