

VitaTech Engineering

EMF CAPABILITY 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, DC and AC ELF (extremely low frequency) magnetic and RF shielding systems and cancellation technology. VitaTech is the only EMF Company in the United States offering professional EMF engineering services on GSA Schedule. Our experienced engineers and trained technicians are thoroughly qualified to provide the following commercial, industrial, and scientific EMF services:

- EMF Surveys & Measurements: DC EMI Sources (subways, trolleys, MRIs, NMRs, MAGLEVs, elevators, vehicles), AC Power EMI Sources (transmission/distribution lines, substations, transformers, switchgears, busways, conduits, trains), RF Sources (RFID, AM/FM, TV/ACTV, marine, mobile, cellular, WiFi), Microwave/Radar & EMP
- EMI/RFI Detection, Control & Reduction for scientific and medical high resolution imaging tools including SEMs, TEMs, FIBs, AFMs, STEMs, MRIs, NMRs, EEGs, EKGs, EMGs, MEGs, PET/CTs, CATs, Stereotaxis, and many other sensitive tools.
- 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, HVDC, RF & HEMP/EMP) & Mitigation Strategies
- Nanotechnology, Research & Medical Building Site Planning & Facilities Assessment (over 50 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 mitigation 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, research and medical facilities, industrial processing facilities, server farms plus RF antenna, microwave and radar sources. When EMF levels exceed acceptable EMI/RFI equipment susceptibility and/or emission levels (EC Directive) or exceeds acceptable human exposure thresholds and standards, VitaTech recommends, designs and installs *state-of-the-art* DC magnetic, AC ELF magnetic, RF electric field shielding systems to attenuate (reduce) the EMF source to acceptable levels within a controlled environment. VitaTech provides a written performance guarantee with all our installed DC, AC ELF and RF shielding systems. Please see our partial client list below:

Partial Client List - Universities, Research Centers & Hospitals	Location
Arizona State University – AZ Biodesign I & II, APS Energy, LSW	Tempe, AZ
Barnes Jewish Hospital	St. Louis, MO
Brookhaven National Laboratory Center for Functional Nanomaterials	Upton, NY
Children’s Hospital Los Angeles - New Hospital Building	Los Angeles, CA
Duke University – CIEMAS & French Science Center	Durham, NC
East River Science Park	New York, NY
Georgia Technical Institute - NanoTechnology Research Center Building	Atlanta, GA
Harvard University – Cruft Lab, Northwest Labs, LISE Project	Cambridge, MA
King Abdullah University Science and Technology Center	Saudi Arabia
McMasters University – Nanotechnology Research Center	Hamilton, Ontario
NASA Glenn Research Center - SEM Laboratory	Cleveland, OH
National Institute of Standards & Technologies (NIST) Advanced Measurement Lab	Gaithersburg, MD
Naval Research Laboratory - NanoScience Research Laboratory	Washington, DC
NYU Smilow Research Center	New York, NY
Princeton University – Neurosciences Research Center	Princeton, NJ
Rockefeller University - Detlev W. Bronk Laboratory	New York, NY
Thomas Jefferson National Accelerator Facility	Newport News, VA
University of Alberta – NINT Building, CCIS I&II	Edmonton, Alberta
University of Arkansas at Little Rock - Nanotechnology Center	Little Rock, AR
University of California Berkeley – HELIOS	Berkeley, CA
University of California Berkeley – Molecular Foundry	Berkeley, CA
University of Florida – Nanoscience Institute (NIMET)	Gainesville, FL
University of Notre Dame -Multidisciplinary Engineering Research Center	South Bend, IN
University of Virginia – MSENT Building	Charlottesville, VA
Partial Client List - Commercial	Location
7 World Trade Center - Reconstruction	New York, NY
American Chemical Society	Washington, DC
Bear Stearns - New Headquarters	New York, NY
Cushman & Wakefield	New York, NY
Goldman Sach’s - Site 26 World Headquarters	New York, NY
Goldman Sach’s & Company	Chicago & NYC
New York Hilton & Towers	New York, NY
O&R Substation	Town of Stony Point, NY
One Bryant Park	New York, NY
Raytheon Missile Defense Systems	Fullerton, CA
Rockefeller Center	New York, NY
Royal Bank of Scotland	Stamford, CT
United Nations Building	New York, NY
World Trade Center – New Towers 1, 2, 3 & 4 (and Pre-9/11)	New York, NY

Debra Vitale, Managing Director

Debra Vitale is the Managing Director at VitaTech. She is responsible for planning, developing and implementing the organizational policies for the company. She has over 10 years experience performing EMF site surveys, preparing survey reports and quote letters and project managing EMF shielding projects. As a former health care professional she comments on risk assessment and coordinated the VitaTech Site Specific Safety program. She is 30 hour OSHA Construction certified and holds an active General Contractors License in Virginia and California. She had held the company position of Chief Financial Officer since 2006. Ms. Vitale has a B.A. in Sociology and B.S.N. in Nursing from the University of Florida.

Davidson A. Scott, P.E., Vice-President Engineering

Davidson 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 FL. He holds a Top Secret, SSBI.

Lou Vitale, Senior Consultant Engineer

Lou Vitale is the Senior Consultant Engineer and Founding Member at VitaTech. He 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 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 (C³S); 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 is a member of IEEE. He has an inactive Top Secret clearance and published numerous EMF articles and technical papers.

Robert Welling, Chief Operating Officer

Robert Welling is the Chief Operating Officer at VitaTech. He is responsible for managing on-site EMF shielding projects. Mr. Welling has more than 33 years of construction management experience working in commercial, residential and electromagnetic shielding construction. He has successfully managed construction projects up to \$5.2 million and retail sales departments with \$92 million in annual sales. At VitaTech, Mr. Welling coordinates EMF shielding projects and the various skilled trades and craftsmen, architects, engineers, inspectors, clients, management and staff necessary to complete these projects on-time and within budget. He is extremely proficient in contract negotiations, construction estimating, plan reviewing, purchasing, and management.

Joshua Welling, Director of Operations

Joshua Welling is the Director of Operations at 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 and is 10 hour OSHA Construction certified. Recently he worked on the following VitaTech projects: One Bryant Park, NYC, NY; University of Notre Dame AC ELF and RF shielding project, South Bend, Indiana; and an AC ELF shielding project at Royal Bank of Scotland (RBS) in Stamford, Connecticut.

Jessica Vitale, Director of Business Development

Jessica Vitale is the Director of Business Development at VitaTech. She is responsible for the procurement of EMF engineering projects through various architectural firms. 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. Her previous work includes a position as Assistant Site Coordinator at the University of Oklahoma's Crystal City, VA location for graduate studies before moving to Florida to complete her university degree.

Mark Skolnik, Project Manager

Mr. Skolnik is a Project Manager at VitaTech. He is responsible for managing on-site AC ELF/DC magnetic and RF shielding projects within the United States and around the world for VitaTech Engineering. He has more than 20 years of construction management experience with the U.S. Navy and commercial companies in the New York and Pennsylvania areas. He was trained by the U.S. Navy in construction management and is 30 hour OSHA Construction certified. Recently he worked on the following VitaTech projects: KAUST Project in Saudi Arabia, East River Science Park AC ELF magnetic shielding project in New York City, the University of Notre Dame AC ELF and RF shielding project in South Bend, Indiana, and an AC ELF shielding project at Royal Bank of Scotland (RBS) in Stamford, Connecticut.

Greg Slonka, EMF Tech/Simulation Programmer

Greg 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

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

John Deasy, EMF Technician

John Deasy is a physics student in his senior year at the University of Mary Washington and works at VitaTech part-time. He is responsible for assisting our engineering staff with EMF site surveys, generating graphics, shield design drawings, equipment lists, specification documents, EMI/RFI laboratory research projects, software development projects with National Instruments LabView program and Ansoft finite-element analysis simulation projects.

Company Information	VitaTech Engineering, LLC
Company Address	115 Juliad Ct., Suite 105, Fredericksburg, VA 22406
Company Phone Number/Fax	Tel: 540.286.1984
Company Fax	Fax : 540.286.1865
Company Website	www.vitatech.net
Corporate Logo	VITATECH®
EIN	54-1949002
Duns Number	612516690
Industry Classification	NAICS: 541330 (Engineering Services)
Industry Classification	NAICS: 235510 (Construction Services)
General Contractor License	Virginia License No. 2705 130207 (Expiration 7-31-2011)
Insurance	GL, GL Excess, WC, Professional Liability
Performance Bonding	\$500,000
GSA Schedule	<u>GSA Contract for Professional Services</u> GS-23F-0294M Cage/NCAGE Code: 1W9Z4 SIC Code: 8711 Contract Renewal: Sept. 3, 2007 - Sept. 3, 2012

