

VitaTech Electromagnetics LLC

EMF CAPABILITY STATEMENT

VitaTech Electromagnetics 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:

<i>Partial Client List - Universities, Research Centers & Hospitals</i>	<i>Location</i>
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
<i>Partial Client List - Commercial</i>	<i>Location</i>
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

Lou Vitale, B.S.E.E., Founder & Senior Engineer

Lou Vitale is the Founding Member & Senior Engineer 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.

Jan Heindel, B.S.E.E., EMI Engineer

Jan Heindel is a junior electrical engineer and Ansoft simulation programmer at VitaTech. He also is responsible for the collection of EMI/RFI site survey data, generating graphics from the data and presenting these findings to senior Engineers for assessments and EMF shielding recommendations. Jan 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 senior Engineers for review, assessment and shield designs. Jan has a B.S.E.E. in electrical engineering George Mason University.

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, presenting these findings to our Engineers for assessments and recommendations and onsite project management for magnetic shielding installations. 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 held a 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; AC ELF shielding project at Royal Bank of Scotland (RBS) in Stamford, CT and an AC ELF Shielding project for British Petroleum in Chicago, IL.

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.

Greg Slonka, EMF Engineer I/Analyst & Simulation Programmer

Greg Slonka is an EMF Engineer I/Analyst 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.

Stephanie Carpenter, B.A., CAD Application Specialist & Shield Designer

Stephanie Carpenter is the CAD Specialist at VitaTech. Stephanie is responsible for generating engineering CAD drawings for EMF Shields created by VitaTech electrical engineers, CAD conversions, compilation and coordination of project design libraries and coordination of EMI/RFI designs into final Construction Documents. Stephanie is a graduate of Virginia Commonwealth University and holds a B.A. in English.

Jeremy Geffert, Construction Supervisor & Facilities Manager

Jeremy Geffert is a Construction Supervisor at VitaTech. Jeremy is responsible for the coordination and on site supervision of shielding system installations to ensure project schedules are met, remain within budget and are installed according to specification. Recent shielding projects include the University of Buffalo, University of Arkansas and St. Joseph's Hospital. Formerly, Jeremy was a facilities assistant-manager at Louis Berger in Washington, DC for twelve years before joining VitaTech. Certifications include OSHA 30 Hour Construction and AutoCad.


Tiffany Moore, Office Manager

Tiffany Moore is the Office Manager at VitaTech. Tiffany is responsible for organizing and supervising all of the administrative activities and client projects at VitaTech.

Christina Vitale, Manager of Business Development

Christina Vitale is the Manager of Business Development for VitaTech. Her responsibilities include advertising, Tradeshows, website development and new business opportunities in South America. She attended Radford University from 2006 - 2010 and studied Spanish and International Relations. She is a member of Alpha Kappa Psi, the oldest and largest professional business fraternity, and held the position of vice-president in 2009 while attending Radford. She graduated from Radford University in May 2010 with a B.A. Christina is fluent in Spanish.

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Company Information	VitaTech Electromagnetics, LLC
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)
Women/Small certification	SWaM Certification Number: 681500
General Contractor License	Virginia License No. 2705 130207 (Expiration 7-31-2011)
Insurance	GL, GL Excess, WC, Professional Liability
Performance Bonding	\$500,000
	<p><u>General Services Administration Contract for Professional Engineering Services</u> Contract No: GS-23F-0294M Cage/NCAGE Code: 1W9Z4 SIC Code: 8711 Contract Renewal: Sept. 3, 2007 - Sept. 3, 2012 http://www.gsadvantage.gov</p>