



CSI Engineering P.C. (CSIE) is a small, minority-owned business, professionally managed **Engineering Design** firm with numerous certifications serving the Baltimore/Washington, DC Metropolitan area. Our full-service A/E firm has core capabilities in **Mechanical, Electrical, Plumbing (MEP)**, and **Communication**. engineering design services.

CSIE's team is comprised of licensed Professional Engineers (P.E.) and highly qualified designers who are proficient with the latest versions of engineering software and tools. CSIE provides Engineering Design and Construction Administration services to private and public sector owners, facility management companies, A&E firms, and construction companies for various types of Design/Build and Design/Bid/Build projects.

Recently CSIE has added a robust **Staff Augmentation Services** division. CSIE also provides **Complex Mission Critical Environment Consulting Services**. CSIE brings 35 years of delivering best-in-class solutions for a wide range of domestic and international clientele.

MEP ENGINEERING DESIGN SERVICES

CSIE is a leading provider of world-class engineering design services with an emphasis on the application of critical electrical power distribution utilization and control of complex sub-systems. CSIE delivers innovative solutions, value engineering, green initiatives, and life cycle costs in our design deliverables.

Detailed understanding of client goals ranging from technology infrastructure requirements analysis to design support of large, multiphase, and multiyear projects allows CSIE to effectively implement its proven solutions. The following are some of CSIE's key engineering services:

- Transit System designs from overhead Catenary, third rail power, electrical Substations, HVAC systems, and Communications
- Complete Campus and Individual Building Power Distribution System Designs
- Backup and Standby Emergency Power System Designs
- Power System Analysis such as Facility Infrastructure Assessments, Fault Current Calculations, Protective Device Coordination, and Arc Flash Analysis and Labeling
- HVAC Central Plants and stand-alone systems, including Chillers, Ice Storage Facilities, Boilers, and related Control Systems
- Mission Critical Facility Infrastructure Planning and Growth Projections
- Lighting, Communication, and Security Control System Designs
- Facility Entrance Way Screening for Access Control, Video Surveillance, Intrusion Detection, Perimeter Protection, and Vehicle Access Control
- Both "UV" and Standard Lighting for Security and Health System Designs
- Construction Administration, Commissioning, Life Cycle Cost Analysis, and ROI Evaluations

REPRESENTATIVE CLIENTS

- Transportation projects at WMATA, MTA, MAA, and DGS
- Utilities and Power Distribution projects at Blue Cross / Blue Shield, FirstEnergy, GSA, Lockheed Martin, MEMA, USAF, WMATA
- Mission Critical Environment projects include Allegis Group, AIG, AT&T, Bank of America, Brazil State Department of Bahia, Capital One, Danske Bank, FDIC, FERC, IBM Corp., JP Morgan Chase, Marietta Data Center, Merrill Lynch & Co., Inc., Morgan Stanley & Co., NCR Corporation, Smithsonian Institute, SSA, UPS, USACE, USAF, and WMATA.
- Education and Research projects include Bladensburg Library, Maryland Schools Assessments, National Agricultural Library, NIMA - Bethesda Research Center, PGCPs Woodridge Elementary School, and Plum Island Animal Disease Center.
- Healthcare projects at DHHS, CMS Medicare, and Medicaid Services, Montefiore Hospital, NIH, and VA

CERTIFICATIONS & REGISTRATIONS

- CAGE Code: 1TG39
- DUNS: 848527701
- SBA: SDB Self-Certified Small Disadvantaged Business
- MDoT MBE/DBE/SBE: 10-276 Maryland Department of Transportation
- SBR: SB12-17656 Maryland Department of General Services Small Business Reserve Program
- SWaM: 626810 Virginia Small Business Enterprise
- MWAA: DBE # DB20206529 & LDBE # LD20206529 Metropolitan Washington Airport Authority Local Disadvantaged Business Enterprise
- DCUCP: DBE# DBE0002147 & SBE# SBE0002147 MWUCP Metropolitan Washington Unified Certification Program – DDOT Washington DC Department of Transportation
- Prince Georges County, MD, County Based Small Business: CBSB-20-011474 and Minority Business Enterprise / Local Disadvantaged Business Enterprise

14205 Park Center Drive, Suite 203, Laurel, Maryland 20707

corporate@csie.com, 301.210.9090, www.csie.com

STAFF AUGMENTATION SERVICES

CSI Engineering P.C. (CSIE) provides full-time Staff Augmentation services for highly qualified Engineering, Project Support Professionals, Inspectors, CAD, Cyber Security, Information Technology, Communications, and Administrative personnel.

CSIE utilizes the latest recruitment, intake, search, and screening processes. CSIE carefully matches our professionals with your requirements. CSIE distinguishes those high-quality professionals from those with average skills sets to ensure our professionals exceed your expectations. CSIE staff provides the highest level of integrity and professionalism to each opportunity, client, and project.

CONSULTING SERVICES FOR COMPLEX MISSION CRITICAL ENVIRONMENTS

CSIE offers a wide range of technical consulting services for your mission-critical environments. Mission-critical environments are more than data centers. They are found in all types of facilities. Many of which include control rooms, hospitals, labs, school and education facilities, utilities, museums, transportation systems, and call centers.

- CSIE maximizes your critical infrastructure portfolios through discovery, strategy, remediation, hardening, and possible relocation of mission-critical assets. Our professionals can lead you through every step in the process, quickly and efficiently.
- Our approach to efficiency includes a plan with goals and a method to achieve them. Aware of the law of diminishing returns we consider first the high-value actions by consolidation, and virtualization while considering growth, reviewing air management, and temperature settings. Then implementing justified capital improvements.
- Electrical efficiencies are focused on equipment needs, lighting, power conditioning, and redundancy. Backup power and Microgrids can provide power when off the grid and an additional revenue stream while on the grid. Mechanical efficiencies can be improved by managing airflow, heat dissipation, thermal storage, and cooling. Other environmental efficiencies can be picked up using solar, grey/low water use solutions, and building structure efficiencies.
- Management techniques include metering, utility load shifting during peak demands, dynamic temperature controls, equipment cycling, and planned maintenance techniques. Monitoring adjustments and reviewing results are ongoing processes.

WHY CSIE?

- Professional Engineers registered in numerous states
- Comprehensive spectrum of capabilities in Engineering Design, Staff Augmentation, and Consulting for Mission Critical Operations
- Excellent track record and a long list of satisfied Federal, State, Local and Commercial clients for over 34 years
- More than thirty years of experience serving transit, educational, labs, information, and municipal environments
- Proven success on projects over multiple sites, multiple phases, and multiple years
- Comprehensive verification, testing, and delivery systems to ensure reliability
- Value Engineering is taken into consideration every step of the way
- Designed the world's first Tier IV data center in Alpharetta, Georgia among other marquee data centers
- Small Minority Owned Disadvantaged Business, recognized by many local, regional, and federal agencies to help fulfill contract requirements and goals

Your clients, be they patients in a hospital, students in a school, passengers on a transit system, soldiers or law enforcement personnel in the field, or companies counting on data along with billions of online transactions, can be assured that your infrastructure is resilient!

NAICS CODES

- 541330** - Engineering Services (Primary)
- 541310** - Architectural Services
- 541340** - Drafting Services
- 541350** - Building Inspection Services
- 541690** - Other Scientific and Technical Consulting Services
- 541990** - All Other Professional, Scientific, and Technical

CLIENTS INDUSTRIES

Transportation
Utilities & Power Distribution
Water and Wastewater
Healthcare
Education
Science, Technology, Research & Development
Mission Critical Operations

CONTACT

14205 Park Center Drive, Suite 203
Laurel, Maryland 20707
Telephone: 301.210.9090
E-mail: corporate@csie.com
Web: www.csie.com

Ari Ghosal, Esq.

Sr. Vice President of Operations
Direct: 202.262.1860
aghosal@csie.com

Robert Laufer, PE

Vice President of Engineering
Direct: 240.482.6587
rlaufer@csie.com

Bernie Leipold

Business Development Manager
Direct: 443.605.3296
bernie@csie.com

MEMBERSHIPS & AFFILIATIONS

