



About *EDGE Engineers*:

EDGE Engineers is a MEP Consulting Design & Commissioning Services firm founded in May 2019. Headquartered in Baltimore City, ***EDGE Engineers*** with a satellite office in Philadelphia, PA, is a minority owned business founded by Umesh Patel, President. We are currently **MDOT MBE** certified (#20-359) in Maryland and certified in **Baltimore City** as (MBE) Asian American (#21-377630).

EDGE Engineers is a consulting engineering firm providing mechanical, electrical, plumbing, and fire protection design consulting services in Infrastructure, PEER Review, Short Circuit Coordination Studies (SCCS) and Arc Flash Analysis, Design Build, Commissioning and Condition Assessments to public and private clients. Our projects are in Virginia, Washington DC, Maryland, Delaware, Pennsylvania, New Jersey, and parts of New York.

In the engineering industry, we believe that our documents and drawings are “second to none”. We believe that this will help us to provide our clients with fewer change orders and meeting construction schedule deadlines.

EDGE Engineers - Creating tomorrow’s engineering leadership today- “One project at a time”

EDGE Engineers is partnering with local colleges and universities in Baltimore City and Baltimore County to mentor and train a diverse group of young engineers while providing an ownership path for minority engineering students in the Baltimore area. ***EDGE Engineers*** leadership has more than twenty years of experience each in Healthcare, Higher Education, Infrastructure and Mission Critical projects in design and commissioning. Our Goal is to provide Exceptional Project Delivery to our clients focused on budgets and schedules to ensure that the project deliverables have been met by all stakeholders.

Founders Experience:

EDGE Engineers was formed by three individuals in May 2019 who have each worked in the Healthcare/Infrastructure/Higher Ed/Mission Critical markets for over the Past twenty-five plus years. Collectively, they have worked on over a dozen new medical facilities (and renovations) in the Baltimore, Washington DC, Philadelphia, and Delaware.

Personnel:

We currently have four full-time personnel with one intern in the Baltimore office and three full-time and two interns in our Philadelphia office. We are currently interviewing for two additional engineers in our Baltimore Office due to expanding workload.

Services:

For both new construction and renovation projects, **EDGE Engineers**, offers comprehensive services for many types of facilities including:

- **Design**
 - Heating, Ventilation & Air Conditioning
 - Building Electrical & Emergency Systems
 - Interior/Exterior Lighting
 - Fire Protection & Fire Alarm
 - Plumbing & Piping Design
 - LEED & Sustainable Design
 - Construction Phase Services
 - Infrastructure design
 - Engineering Masterplans

- **Commissioning**
 - Fundamental Commissioning: Commissioning Plan, Constructability Review of Design, Submittal Reviews, Pre-functional Checklists for Installation & Verification (PFCIV), Functional Performance Testing (FPT), resolution tracking, TAB Review, O&M Review, O&M Training Verification.
 - Enhanced Commissioning: Owner's Project Requirements (OPR), Commissioning Specifications, Systems Manuals, Current Facilities Requirements

- **Facility Conditions and Assessments & Surveys:**
 - ASHRAE Audit Level I & II System Assessments
 - BGE/MEA Approved vendor for Incentives & Rebates

The following projects have been designed by **EDGE Engineers**.

Hospital and Medical Centers

Client	Project description
CentraState Medical Center	Acute Dialysis relocation: Approximately 2,300 sf of new inpatient dialysis unit.
CentraState Medical Center	Endoscopy procedure relocation: Approximately 4,000 sf of Endoscopy space. Project includes three procedure rooms.
CentraState Medical Center	Inpatient Pediatric relocation: Approximately 5,600 sf of new inpatient Pediatric patient rooms.
CentraState Medical Center	Short Stay (PACU) relocation. Approximately 6,400 sf of inpatient and outpatient PACU.
CentraState Medical Center	Conversion of approximately 10,000 sf of medical surgical unit to Ortho specialized patient unit.
Jersey Shore University Medical Center	Conversion of approximately 10,000 sf of medical-surgical unit to a CCU unit.
Bryn Mawr Rehabilitation Hospital	Clean and soiled utility conversion.

Study and Masterplans

Client	Project description
CentraState Medical Center	Mental Health at the Manor: Study to convert approximately 45,000 sf of nursing home to inpatient mental health.
CentraState Medical Center	Radiology 2021 Study: Study detailing infrastructure upgrades needed to support approximately 5,000 sf of renovation in the radiology suite at the medical center.

CentraState Medical Center Electrical Infrastructure Masterplan: Evaluation of entire medical center and ambulatory care center for aged infrastructure replacement and risk mitigation.

Outpatient and Ambulatory Care

Client	Project description
CentraState Medical Center	Perinatology relocation: Approximately 2,500 sf of new Perinatology program space.
CentraState Medical Center	Family health relocation: Approximately 7,500 sf of new family health exam and testing rooms. New space serves three physicians.
CentraState Medical Center	Third floor A Wing renovation: Approximately 1,000 sf renovation to existing practice.
CentraState Medical Center	Respiratory therapy lounge and conference center. Approximately 1,000 sf of new program for respiratory therapy.
CentraState Medical Center	Radiology renovations: Approximately 3,000 sf of new conference, office and waiting rooms for radiology.
Deveraux Brook and Brier Renovations	Renovation of approximately 10,000 sf of common area. These buildings treat troubled teenage patients.

Engineering Infrastructure

Client	Project description
Applewood Assisted Living	Provide alternate power for nursing home, assisted living and independent living facility. The facility has lost utility power for weeks in the past.
CentraState Medical Center	Covid-19 Emergency Generator upgrade: Provide alternate power to the entire medical center allowing chiller plants and other systems to be powered from generator power during outages.

CentraState Medical Center Pediatric and Endoscopy air handling units. Pandemic equipped air handling units and chillers to provide climate control to renovated areas. The air handling units currently serving space are being rebalanced to provide code compliance in existing operating rooms.

COMMISSIONING

Client	Project description
Lupin Pharmaceutical HQ	21k sf renovation of the headquarters office in North America for Lupin Pharmaceutical.
Brown Goldstein Levy HQ	24k sf renovation for a law firm office in downtown Baltimore.
NASA I&T AHU Replacement	Installation and renovation of two 120k cfm air-handling units and modular chiller addition at Goddard Space Flight Center located in Beltsville, MD.
UMMC Cancer Center	New ten-story, 245k sf addition to the downtown campus at the University of Maryland Medical Center. Project is pursuing LEED Silver v4 NC.
UMROI AHU Upgrades	Renovation and addition of a new 100k cfm air-handling unit and renovation of six OR suites for the University of Maryland Rehabilitation & Orthopedic Institute.
Great Wolf Lodge	Construction of a new water and theme park to include a 640k sf hotel with shopping areas located in Cecil County, MD.