

Professional Engineering Capability Statement

About Us

Allsbrook Consulting Engineers, Inc. provides professional and quality engineering services for the simplest projects to the most complex of designs. We focus in specialty areas of engineering for the design, construction, facility maintenance, inspections, utilities, and management industries. **Quality is designed into our process, not added in at the last minute.**

Algen, Inc. (Formerly Allsbrook Consulting Engineers, Inc.)

Our Focus

- ✓ Designs
- ✓ Inspections
- ✓ Quality Assurance
- ✓ Technical Reviews
- ✓ Studies & Analyses
- ✓ Assessments

Licensure

Professional
Engineer Licensure:
**VA – MD – NC
and other
jurisdictions**

Additional Information

CVE Certified: SDVOSB

Small Business
SWaM Certified: # 709025
CAGE Code: 6YG91
DUNS: 079085555

Classification Codes

NAICS Codes:

Engineering Services (541330)
Electrical / Fire Protection / Security / Telecom
Security consulting services (541690)
Computer-aided design drafting (CADD) services (541340)

SIC Codes:

Engineering Services (8711)

Core Capabilities

Electrical

Electrical Power and Distribution
Lightning Protection and Grounding
Emergency Power Systems
Data Centers & Computer Power Systems
High Voltage Power Distribution
Roadway Lighting & Utility Systems
Electrical System Studies – Loading Analysis
Short Circuit & Arc Flash Analysis
Protective Device Coordination Settings
Lighting Systems and Controls
Basewide Electrical Studies

ESS Security

TS / SCI / SCIF / Collateral
CCTV Surveillance / Access Control / Intrusion
Detection

Fire Protection

Wet Pip Sprinkler Systems
Life Safety Code Analysis
Fire Protection Analysis
Aircraft Hangars
AFFF & High Expansion Foam Systems
Fire Alarm & Detection Systems
Special Hazards
Inspections & Condition Assessments

Telecommunications

Interior Infrastructure Telecom Systems
Computer Network Systems
Secured / Classified Network Systems
Voice / CTV / IT
Outside (OSP) Telecom Systems

Engineering & Technology Services

Sample Projects – Past Performance

These few sample project.

Project:

Project: Office Building Design
Customer: Highwoods, North Carolina
What we did: Design interior building systems for 100,000 square foot, three story “spec” building.
Scope: The \$150 million contract encompassed 225 acres where the site is located.



Project:

Project: Replace Langley Air Force Base Airfield Lighting Design
What we did: The design for the replacements of the complete airfield main runway lighting, all taxiway lighting, precision approach indicators, lighting controls and regulators upgraded.
Scope: Construction of complete replacement of all airfield navigation lighting systems, power systems and controls. \$14 Mil Construction



Project:

Project: Convert High Voltage System Overhead to Underground Design
Customer: US Air Force, Seymour Johnson Air Force Base
What we did: Engineering design drawing development converting 3 – 1/2 miles of overhead high voltage electrical system completely to underground, including MV pad mounted switches, pad mounted transformers, underground cabling and duct banks. \$13.8 Million



Project:

Project: Electrical System Study and Condition Assessment
Customer: US Navy
Complete electrical system investigation, modelling, and analysis of building 1794, US Navy East Cost Optical Center. Including short circuit analysis, protective device coordination, protective device evaluation. arc flash hazard analysis and evaluation.



Performance Awards - Evaluations

Seymour Johnson AFB, A&E Services to Convert Overhead to Underground Electrical Lines Base Wide. Evaluation: **Very Good**

Building Wide Electrical System Study and Analysis, National Ground Intelligence Center, Nicholson Building, Evaluation: **Very Good**

Electrical System Study, US Coast Guard Air Station, Great Inagua Island, Bahamas. Evaluation: **Very Good**

ATSC Electronic and Communication Design Facility, Newport News, VA. Evaluation: **Exceptional**

Contact Us

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Engineering & Technology Services

Sample Projects – Continued

These few additional sample projects.

Project:

Project: Army Family Housing Vicenza Phase I - Design

Customer: NAVFAC EURAFSWA

What we did: Design electrical interior building systems and exterior electrical distribution for phase I of two new complete modernized military & dependent housing complex.

Scope: New Housing Complex. \$90 Mil construction



Project:

Project: New Marine Enlisted Quarters, Yorktown NWS

Customer: NAVFAC Atlantic

What we did: Design a four-story modernized two person living room module US Marine enlisted Quarters. Design electrical interior building systems and exterior electrical distribution. \$25 Mil Construction



Project:

Project: Electrical System Study and Condition Assessment

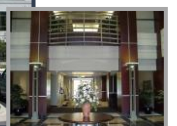
Customer: US Coast Guard / USACE Norfolk District

Emergency power Electrical system investigation and analysis of the Coast Guard operations airfield / hangar and base site located at Great Inagua Island for Operation Bahamas, Turks and Caicos (OPBAT).



A Few More Projects:

- ♦ Repairs to Bldg 801 , HQ Amin Facility, Langley AFB
- ♦ Repairs to Bldg F1362, Alert Hangar Facility, Langley AFB
- ♦ Replace Hangar Fire Suppression System, F.751, Langley AFB
- ♦ Repairs to Hangars 790 & 791, Langley AFB
- ♦ Repairs Deficient Fire Suppression Systems, Hangars 342, 361, 369, 373, & 374, Langley AFB
- ♦ Electrical Study, National Ground Intelligence Center (NGIC) Nicholson Building Charlottesville, Virginia
- ♦ Basewide High Voltage System Electrical System Study, DLA Defense Supply Center, Richmond, VA
- ♦ Basewide Convert Electrical System Overhead to Underground Conversion, Fort Lee, VA
- ♦ Marine Special Operations Command (MARSOC) Complex, Camp Lejeune, NC
- ♦ McGuire VA Medical Center, Dialysis Unit Addition, Richmond, Virginia
- ♦ ISR Unmanned Air Vehicle Hangar Prototype, USACE / US Air Force
- ♦ Highwoods Properties Complex, Five 3 story office buildings, Cary, NC



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