



# MATRIX**NEW**WORLD

Engineering Progress

## FEDERAL PROJECTS & CONTRACTS

### **Matrix means engineering & scientific ingenuity.**

Matrix provides engineering and scientific ingenuity on some of the largest and most crucial projects across the United States. From working on Military Installations to Civil Works projects, our engineers and scientists are involved from project inception, providing preliminary environmental and hazardous materials studies, Federal, state, and local environmental compliance analyses and documentation, and regulatory permitting beginning with the initial planning stages for feasibility studies, through conceptual design, final design and construction, with our engineers providing multi-disciplinary design services and field oversight.

#### **Key projects**

##### **Federal Aviation Administration (FAA)**

- NEPA EIS Support Services, La Guardia Airport Access Improvement

##### **US Department of Transportation**

##### **Maritime Administration (MARAD)**

- Post Hurricane Assessment of National Significant Maritime Facilities

##### **US Merchant Marine Academy (USMMA)**

- Crowninshield and Cressy Piers Replacement & Partial Seawall Rehabilitation
- Turnkey Environmental Services US Merchant Marine Academy

##### **US Department of Veterans Affairs**

- Combined Heat & Power Design Station 632, North Port VA Medical Center

##### **US Military States Army Garrison (USMA)**

- Environmental Services US Military Academy

##### **US Navy NAVFAC Northern Division**

- On-Call Architect/Engineering Services

##### **US Navy, Naval Air Engineering Station (NAES)**

- O&M of Air Injection & Extraction Treatment Systems
- O&M of Groundwater Extraction treatment & Injection

##### **US Coast Guard Civil Engineering Unit**

- Hazardous Materials Testing Services USCG Station – Atlantic City

##### **US Army Corps of Engineers**

- McGuire Air Force Base Electrical Upgrade, Environmental Assessment
- McGuire AFB Fitness Center A/E Services

##### **Luke Air Force Base**

- Waste Systems Operation & Maintenance

##### **US Department of Defense, Department of the Army**

- Fort Hamilton – Building 402 Addition

##### **US Military Academy**

- Mollusk Investigation

#### **Services provided**

- Civil Engineering Services – Infrastructure, Site Development, Stormwater Management
- Survey: Conventional, 3D Scanning and Bathymetry
- Ecological/Natural Resource Services – Wetland Restoration, Natural Resource Banking, Ecological Risk Assessment, Environmental Assessments (EA), Environmental Impact Statements (EIS)
- NEPA Consulting
- Environmental: Restoration Plans, Soil & Groundwater Contamination Remediation, SPCC Plans
- Hazardous Materials Consulting Services: Lead Survey Abatement Design, Asbestos Survey Remediation Design, Mold Remediation Design, Air Quality Investigations
- Marine & Waterfront Engineering – Port & Marina Design, Waterfront Redevelopment, Dredging & Disposal, Waterfront Facility Investigations
- Geotechnical: Observation, Exploration, Design, & Reporting
- Structural: Marine Structures, Foundations & Support Structures
- Landscape Architecture
- Regulatory: Federal & State Permitting
- AutoCAD & GIS Services
- Construction Administration Services
- Disaster Response & Management Services

For more, please visit [mnwe.com/services](https://mnwe.com/services)





Great engineering starts at the planning phase and is not complete until the ribbon is cut on the project. The aging infrastructure and the understanding of sea-level rise and resiliency concerns are demanding agencies' attention. Projects are progressing from planning to implementation at a much quicker pace with the advent of Design-Build (DB) contracting. Our diverse abilities enable our involvement on all complexities and sizes, including resiliency improvements, ADA compliance, capacity and infrastructure improvements, modernization, and design of new facilities.

Our experience with DB projects is on both sides of the table, working on the conceptional design and preparation of bid documents and working with the General Contractor in executing the construction contract award. Our extensive experience with and knowledge about key issues associated with these projects, coupled with collaborative engagement with clients leads to repeat business and the development of trust and seamless interactions. Matrix understands the

complexities of each and every project and our staff are well-trained and committed to following all safety protocols.

#### **Matrix provides a wide array of services.**

We offer fully integrated services for all phases of the project including feasibility studies, environmental compliance / permitting review and documentation, environmental / hazardous materials studies, conceptual design, final design and construction management. Matrix has a deep bench of skilled engineers and scientists with decades of rail experience. Matrix specializes in preparing all the necessary documents, and our experience and proficiency enables us to manage projects effectively and communication with all the necessary agencies.



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