



# MATRIX **NEW**WORLD

Engineering Progress

## MARINE & WATERFRONT ENGINEERING

### **Matrix is marine.**

Matrix delivers practical, cost-effective solutions in the marine and waterfront environment. Our marine personnel specialize in the engineering, ecology, and surveying services that are unique to water-dependent projects and problems.

Matrix's expertise and capabilities have a national scope and include the ability to deploy both equipment and personnel at project sites as well as for emergency responses with limited notice. We approach our work with an entrepreneurial focus and recognize the paramount importance of reliability, cost, and schedule in project delivery. Likewise, we recognize the importance of professional relationships in the consulting business and work hard to maintain a great reputation with regulators, private industry, and colleagues.

The Matrix Marine Team includes engineers experienced in the heavy industrial port arena and balances that focus with a rich history in marine/wetlands ecology. We have designed and constructed some of the nation's most innovative and sizeable mitigation projects. Similarly, we are leaders in the field of climate change resiliency, working with government agencies and private property owners to mitigate future flooding losses.



### **Services provided**

- Port & Marina Design
- Climate Change Resiliency
- Underwater Inspections
- Waterfront Redevelopment
- Coastal Storm Response & Recover
- Dredging & Disposal
- Shore Protection & Beach Nourishment
- State & Federal Regulatory Permitting
- Oceanographic Instrumentation Deployment
- Submerged Utilities
- Watershed Planning & Restoration
- Hydrographic & Bathymetric Surveys
- Sediment Sampling & Analysis
- Pipeline & Cable Route Surveys
- FEMA Certifications & Map Modifications
- Wetland Delineation & Permitting
- GIS Mapping
- Wetland Mitigation/Restoration
- Habitat Restoration
- Water Quality Sampling
- Riparian Surveys (Tidelands)
- Beach Profiles

### **Contact**

#### **Matrix New World Engineering**

Andrew Raichle, PE

[araichle@matrixnewworld.com](mailto:araichle@matrixnewworld.com)

973.295.3602

800.747.6287 (MATRIX)

Certified WBE/DBE

