



# MATRIX **NEW**WORLD

Engineering Progress

## GEOGRAPHIC INFORMATION SYSTEM (GIS) SERVICES

### **Matrix is focused.**

Our firm is focused on solving problems related to natural resources and the environment. We offer a wide array of GIS services from simple base-map preparation and data analysis to modeling and mobile applications. We've delivered GIS services for many important projects of regional significance including emergency response, environmental and ecological applications, land development, utilities and government services.

We possess extensive experience with many of the capabilities of Esri's ArcMap® GIS software. We have performed simple mapping tasks for the creation of figures for reports and presentations, created databases for maintaining a county-wide asset inventory, performed complex groundwater modeling, prepared elaborate constraints mapping tasks and develop cloud-based GIS applications. Matrix's GIS staff has the proven technical capabilities to fully utilize the resources contained within the ArcMap® GIS software as well as open source technologies.

Matrix considers GIS a powerful management tool and supports the following needs:

- Site Suitability Analysis for Environmental Constraints and Development Feasibility Assessment
- Web and mobile GIS application development
- GIS Needs Assessments
- Environmental Assessments and Impact Statements
- Federal, State and Local Regulatory Compliance Mapping
- Land Use and Zoning Mapping
- ArcGIS Online Web Mapping, Data Conversion and Maintenance
- Sub-Meter Field Mapping Using GPS Field Data Collection and Post-processing in Arc GIS
- Common Operating Picture (COP) Development and Implementation
- Real Time Field Data Collection
- CAD to GIS Data Conversion
- Statistical Analysis and Modeling
- Comprehensive Research Planning

### **Services provided**

- Basemap Preparation
- GIS Application Development
- Spatial Database Management
- Corridor Resources Mapping
- Corridor Constraints Mapping
- Groundwater Modeling
- Site Feasibility Constraints Mapping
- Asset Inventory Mapping & Management
- Resource Deployment Management

### **Contact**

**Matrix New World Engineering**

973.240.1800

800.747.6287 (MATRIX)

matrixnewworld.com

Certified WBE/DBE

