

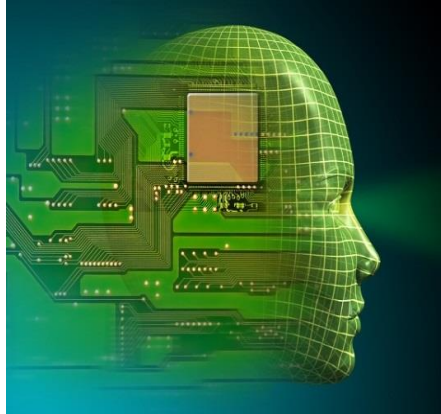


**Over 40 Years of Experience and
Service as a Defense Contractor**

WE DO PREDICTIVE DATA ANALYTICS

Proven Results and Unique Expertise in developing software products for both government & commercial markets using:

- Statistical Methods,
- Data Analytics,
- Artificial Intelligence (AI) techniques,
- Simulation and Modeling,
- Rule-based Expert Systems,
- Bayesian Networks,
- Markov Chaining,
- Probabilistic Relational Models,
- Neural Networks.
- Advanced Statistical Techniques



UEI: D871TBH2MK11
DUNS: 118594928
CAGE: 6W067
Small Business
Cleared Facility
NAICS Codes:
541511 511210 541330
541512 541513 541690
PCS Codes: AJ14, AR14,
AS14, AH44, AD24, AE24,
AR24, AS24, AR34, AS34.

Probabilistic Reasoning under Uncertainty

Developed Solutions for a wide variety of Diverse Applications:

- **Corrosion & Material Deterioration**
 - ❖ Accelerated Corrosion Expert Simulator for Automotive and Aircraft (ACES)
 - ❖ Autonomous Tank and Void Inspection Software and Flying Robots
 - ❖ Expert Structure and Coating Analysis Tool
 - ❖ Aircraft Inspection and Repair System
 - ❖ Data Mining & Analytics NAVAIR Inspection DBs
 - ❖ Advanced data mining methods for coatings.
- **Planning, Scheduling and Project Management**
 - ❖ 5-layer Surveillance Radar Resource Manager
 - ❖ Acquisition Decision Expert Planning Tool
 - ❖ Distributed Missions and Means System (DMMS)
 - ❖ Linking Project Task Outputs to Program Objectives and Long-Range Impact
 - ❖ Logic Model Development
 - ❖ Battlespace Management Planning & Scheduling
- **Medical Systems**
 - ❖ Life-Sign Decision Support for the Warfighter Physiological Status Monitor
 - ❖ CASPER Neural Network for Speech
 - ❖ Integrated Clinical Environment Supervisor
 - ❖ Touch-for-Payment System
- **Acoustics, Structural Dynamics & Controls**
 - ❖ Blast and Shock Analysis for Vulnerability
 - ❖ Shock & Vibration of Lead-free Assemblies
- **Missile Test Chamber Pressure-Vibration-Temperature Controller**
 - ❖ Test Systems: VC100, CCAS, MAC-II
 - ❖ Wake/Structure Interaction Interior Noise
 - ❖ FLIP Azimuthal Control System
 - ❖ Mobile Gun Positioning Control System
 - ❖ XYPEAK5-Shuttle/Centaur Modeling
 - ❖ Aircraft Vulnerability Analysis
- **Target Recognition & Tracking, Radar Systems**
 - ❖ Tracking & Forecasting Cyberthreat moves
 - ❖ Cognitive Radar for Aerial Surveillance
 - ❖ Uncertainty Modeling & Error Propagation
 - ❖ Target and Feature Recognition
 - ❖ AEGIS PIP Tracking & Response Scheduling
 - ❖ Knowledge Acquisition for Level II/III Fusion
 - ❖ MISCAT RCS
 - ❖ Low RCS Parabolic Radar Antenna Design
 - ❖ Feature ID in Heavy Cloud Cover
- **Other Significant Projects**
 - ❖ Bayesian with second-order uncertainty,
 - ❖ Intelligent searches of digital libraries,
 - ❖ CARS Traffic Accident Reporting System
 - ❖ Computer Art Station Development
 - ❖ CLIPBOARD Hand-held Computer
 - ❖ Government Job Cost Accounting System for contractor companies.