

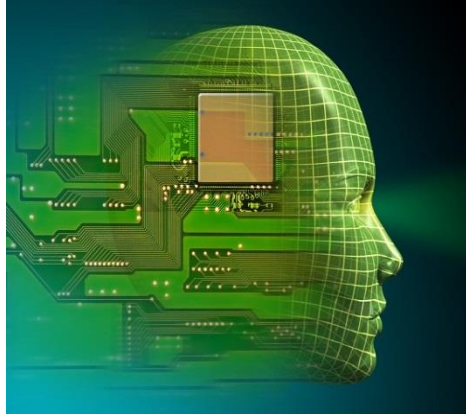


**Over 35 Years of Experience and  
Service as a Defense Contractor**

## **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



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 selecting coatings and paints,
- **Planning, Scheduling and Project Management**
  - ❖ 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
- **Radar Systems, Target Recognition & Tracking**
  - ❖ Cognitive Radar
  - ❖ Error Propagation in Missile Tracking
  - ❖ 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 for contractor companies. GCAS, eManage, eTimecard, eExpense, ePurchase, ITMS