

CAPABILITY STATEMENT

Year Established: 2004

State of Incorporation: Florida

SOFTWARE PRODUCTS

SC Modeler: Software for the conceptual design, analysis, and visualization of satellite constellations:

- Integrated Modeling Environment for User-defined, TLE-based, and Software-generated Constellations
- Tools for Creating Efficient Constellation Designs for Global and Zonal, Continuous and Periodic Coverage

- Simulation of Multi-layered Satellite Networks with User-defined Topology and Routing Policy
- Multidimensional Performance Analysis of Satellite Constellations and Interactive Reporting

Key Differentiators: Unique features, intuitive interface.

Product sold in: USA, UK, France, Germany, Norway.

WEB SERVICES

- **Satellite Conjunction Forecast Web Service:** Performs continuous analysis of TLE records for predicting conjunction events.

- **Satellite Maneuver Detection Web Service:** Detects and classifies satellite movement anomalies using machine learning algorithms based on TLE data.

CONSULTING SERVICES

- **BI and Data Analytics:** Development of highly scalable, low-latency data analytics environments using AWS, Hadoop, Spark, Scala, and Python.
- **Performance Tuning:** Optimization of data models, data flows, and ETL/ELT data pipelines.

- **Machine Learning:** Development of near real-time regression and classification solutions with Spark ML.
- **Cloud Computing:** Integration of existing data flows with and migration to cloud-based platforms, including AWS, Databricks, and Snowflake.

MAJOR CONSULTING PROJECTS

Clients:

- Assurant
- Marshall & Swift/Boeckh (currently part of CoreLogic)
- Microsoft

Locations: CT, FL, GA, MA, NY, OH, SD, WA, WI

- Morgan Stanley
- Kaplan Higher Education Corporation
- TracFone Wireless
- Green Tree Servicing (currently part of Walter Investment Management Corp)

NAICS CODES

- **513210:** Software Publishers
- **518210:** Data Processing, Hosting, and Related Services
- **541330:** Engineering Services
- **541420:** Industrial Design Services
- **541511:** Custom Computer Programming Services
- **541512:** Computer Systems Design Services

- **541519:** Other Computer Related Services
- **541715:** Research and Development in the Physical, Engineering, and Life Sciences
- **541690:** Other Scientific and Technical Consulting Services
- **541990:** All Other Professional, Scientific, and Technical Services

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