

Capability Statement



COMPANY OVERVIEW

Lifescala Analytics, Inc. is a leading provider of data analytics, geospatial, and engineering solutions, headquartered in Roseville, Minnesota. Since 2012, we have been committed to delivering customized consulting services and solutions to our clients. Our expertise includes **Data Science and Visualization, Cloud and Infrastructure, Cybersecurity, Artificial Intelligence, Engineering, and Geospatial Solutions**. Lifescala Analytics holds ISO 9001: Quality Management Systems and ISO/IEC 27001: Information Security Management Systems Certifications, exemplifying our commitment to excellence in quality management and information security. Lifescala Analytics is dedicated to empowering businesses and government agencies by providing them with the tools and expertise to effectively manage and proactively make decisions based on their most significant asset - their data.

ACHIEVEMENTS

- **Developed a Reporting Strategy and Data Architecture for a municipality**, helping them incorporate information architecture and related technologies to improve information sharing.
- Assessed the systems and reporting platforms for a clinical research organization and **developed strategic architecture and roadmap for migration to a new warehouse**.
- **Leveraged deep learning and neural network expertise, along with our geospatial analytics platform, to develop digital products** for a crop science company's effective and environmentally friendly use of vegetation management chemicals and provided **web-based and mobile GIS solutions** supported by **modern data architecture and AWS cloud storage infrastructure**.
- Assisted a branch of the military with **data integration support** by conducting our **Data Evolution Strategy, a thorough assessment and governance strategy and roadmap for operational efficiency and agility**.
- Assisted a leading agricultural technology company in **successfully implementing a modern data architecture and global geospatial strategy** that included deploying **cloud-based GIS solutions** to support geospatial and predictive analyses.
- **Implemented a Smart-Farm Platform that integrated all digital components of farm operations using local mesh network and Internet of Things**. The solution leverages device integration to provide a seamless geoportal of farm operations, enabling integration of planting, weather, soil, irrigation, and harvest data.
- Leveraged geospatial technologies, tools, and analyses for a transmission company to **develop the Fault Trace Tool - an open-source tool that assists in determining the exact location of outages**.
- **Developed a technical solution** for a major manufacturer using **AI and GPU-based hardware**.
- Developed **numerous interactive dashboards** for Sales, Marketing, Executive Management, and Finance departments with a collaborative design focused on **answering multiple questions, providing insight, and allowing users to easily drill down on outliers and identify threats, opportunities, and risks**.

Lifescala Analytics works with you across every phase of the data and AI journey, helping you stay ahead of change and deliver the impact that matters.

Wherever you are on your journey, we are ready to move forward with you.

CORE COMPETENCIES



DATA STRATEGY & ROAD MAPPING

- Data Architecture, Infrastructure, & Integration
- Data Pipeline Development
- Data Lake Development
- Data Governance & Management Process
- Data Migration Plan



DATA SCIENCE & VISUALIZATIONS

- Structured & Unstructured Data Analysis
- Predictive Analysis
- Analytic Mart Design & Development
- Diagnostic Model Design
- Dashboard & Report Development
- Data Mining



ENGINEERING SOLUTIONS

- Product Design & Development
- Automation



GEOSPATIAL SOLUTIONS

- GIS Analysis
- Environmental & 3D Modeling
- Image Object Recognition & Classification
- UAV & Remote Sensing Analysis



INFRASTRUCTURE & CLOUD

- Architecture Designs & Roadmaps
- Solution Scaling for Dynamic, Structured & Unstructured Data
- ETL System Design
- Private & Public Cloud Design, Implementation & Management



CYBERSECURITY

- Cyber Analytics
- Telecommunication & Network Security



ARTIFICIAL INTELLIGENCE

- Machine Learning
- Prescriptive/Predictive Analysis & Modeling
- Deep Learning
- Neural Network

CORE VALUES

WHAT MAKES LIFESCALE ANALYTICS UNIQUE?

Our First Focus is the Impact of Data on the Business

- We invest time in getting to know your challenges in all aspects of your operation.
- The results of our work will provide consistency, clarity, and better access to data, which are imperative in making sound business decisions.

Our People are the Solution

- Our team is led by industry experts with over 25 years of deep knowledge in all aspects of data science, engineering, and management.
- Our team holds leadership roles in prominent industry organizations, enabling them to remain updated on new and emerging technologies and provide sustainable solutions that go beyond current challenges, helping organizations prepare for future issues before they occur.

We Prioritize Understanding the Problem

- Our team then develops business and technology solutions that streamline processes.
- We offer valuable guidance on re-purposing the functions of your team to enable them to focus their efforts on more critical aspects of the business, optimizing resources and productivity for today's fast-paced environment.

We Provide Efficient, Fast, and Lasting Results

- We strive to provide tailored, proactive solutions that make your team and business more efficient.
- We firmly believe your success is our success.



Integrity

DO WHAT'S RIGHT



Adaptability

BE AGILE



Solidarity

WIN AS A TEAM



Passion

LOVE WHAT YOU DO

NAICS Codes

541519	Other Computer Related Services
518210	Data Processing, Hosting, and Related Services
519190	All Other Information Services
541360	Geophysical Surveying and Mapping Services
541370	Surveying and Mapping (except Geophysical) Services
541511	Custom Computer Programming Services
541512	Computer Systems Design Services
541513	Computer Facilities Management Services
541611	Administrative Management and General Management Consulting Services
541614	Process, Physical Distribution, and Logistics Consulting Services
541618	Other Management Consulting Services
541620	Environmental Consulting Services
541690	Other Scientific and Technical Consulting Services
541715	Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology)
541720	Research and Development in the Social Sciences and Humanities
541990	All Other Professional, Scientific, and Technical Services
541330	Engineering Services

LIFESCALE ANALYTICS CLIENTS



FEDERAL CONTRACT VEHICLES

- GSA Schedule Number: **47QTC21D008W**
- Joint Acquisition Intelligence Center (JAIC) Data Readiness for Artificial Intelligence Development (DRAID) Number: **W52P1J22G0133**

