

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 a 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**

Our passion is to maximize our clients' full potential. We provide our clients speed toward data exploration, transformation, and explanation.

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

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.



Authenticity

We empower everyone to be who they are, embracing individual strengths and passions. We are committed to treating each other with humility and integrity.



Passion

We love what we do, why we do it, the people we serve and the people we work with. Our pride, self-motivation and reliability in what we do delivers everlasting results for our clients.



Adaptability

We think ahead and operate with agility while proceeding forward toward a common goal. We have the flexibility and ability to change and maintain effectiveness in a fluctuating environment.



Comradery

We believe in the power of collaboration. Our ideals support everyone working together across boundaries while sharing the same goals and values to achieve a common purpose.

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: **47QTC A21D008W**
- Joint Acquisition Intelligence Center (JAIC) Data Readiness for Artificial Intelligence Development (DRAID) Number: **W52P1J22G0133**

