

Data Science Solutions

Ready to transform your data into a strategic asset?

Discover how our tailored data management solutions can empower your organization to achieve its goals.

- At Falconwood, we don't just manage data—we transform it into game-changing strategies that empower mission-critical decisions. By combining deep industry expertise with cutting-edge methodologies, we deliver measurable results that exceed expectations.
- Our stakeholder-centric approach, combined with robust compliance to industry standards like IL4 and NIST 800-171, ensures the integrity, security, and usability of your data assets.
- We empower our customers by implementing scalable and technology-agnostic solutions, enabling them to make data-driven decisions with confidence.

The Falconwood Advantage

At Falconwood, we bring together industry expertise, advanced tools, and a proven methodology to deliver unparalleled results. Our key strengths include:

- **Stakeholder-Centric Approach:** We prioritize collaboration with stakeholders to ensure their needs are fully understood and addressed. Using our adaptation of the Gartner World-class Alignment Metric (WAM) framework, we guide stakeholders from defining goals to achieving measurable outcomes. This process fosters transparency, captures requirements effectively, and aligns deliverables with organizational objectives.
- **NIST 800-171 and IL4 Compliance:** Ensures your data remains secure and compliant with DoD standards, reducing risk and fostering trust in mission-critical environments.
- **Agile Data Lifecycle:** From data collection to visualization, our processes are tailored to adapt to customer needs. Whether it's integrating legacy systems, automating workflows, or developing new insights, our lifecycle ensures continuous improvement and maximum value delivery.



Scan the QR code to talk with us
about how Falconwood can
revolutionize your data operations



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Key Benefits



Flexibility: Our technology-agnostic, modular approach integrates seamlessly with customer and open-source tech stacks, ensuring compatibility and scalability.



Efficiency: Automated data workflows reduce time and labor requirements.



Actionable Insights: Advanced visualization tools turn complex data into clear, strategic narratives.

Success Stories

Automating Data Processes: A client's 5-hour weekly task of aggregating 11 large spreadsheets was automated by Falconwood in two weeks, cutting processing time to under 3 minutes. Using open-source tools, the process became self-documenting, preserving key expertise and ensuring continuity.

Data Hub: A client with numerous authoritative data sources faced challenges with visibility, accessibility, and understandability. By integrating WAM with data from these sources, Falconwood delivered a Data Hub with a comprehensive view of network performance and user experience. Aligning performance insights with industry standards, it drove measurable improvements in reducing boot times by 42.5%, improving application response times by 16.7% and accelerating end-user device delivery times by 65.7%.

Falconwood's Data Management Workflow

Designed to simplify and accelerate data management. It encompasses the following key stages:

1. **Format:** Clean and standardize diverse data sources. This ensures compatibility and accuracy across the pipeline.
2. **Ingest:** Utilize open source and customer tools to automate, replacing manual processes with scalable, repeatable workflows.
3. **Wrangle:** Employ tools to transform raw data into structured, meaningful datasets.
4. **Analyze + Model:** Perform advanced data analysis and apply machine learning models to uncover patterns and derive deeper insights.
5. **Visualize:** Deliver actionable insights through dashboards, ensuring stakeholders have a clear and intuitive view of their data.

Falconwood is a **veteran-owned, woman-owned** business management and technology consulting firm headquartered in Arlington, Virginia. Founded in 2002, Falconwood specializes in professional services supporting all aspects of Information Technology, including planning, analysis, design, development, testing, integration, and implementation of information systems and networks.