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CAPABILITIES STATEMENT

WHO ARE WE?

At Freya Systems, we're on a mission to help you predict the future through the power of data. For over a decade, we've delivered leading-edge software and data science solutions that have enabled our customers to make informed decisions and stay ahead of the curve.

From feasibility studies to a fully customized decision-support software suite, our team of experts can design solutions that address your unique business needs.

NO MORE BLIND SPOTS

Become Confident you have what you need to make the Best Decisions

FACILITIES & EQUIPMENT

 Headquartered in Media, Pennsylvania.

 15 minutes from Philadelphia Airport.

State of the art facilities provide an ideal environment for collaboration and innovation. Whether at your site, our office or virtually, our US based team can meet your needs from anywhere.

Using the latest tools for a secure online development environment, we can scale to any project need.

INDUSTRIES



Defense



Aviation



Utilities



Logistics

TECHNICAL CAPABILITIES

Data Engineering

- ETL
- Data Modeling
- Data Wrangling
- Mining & Cleaning

Data Science

- Machine Learning
- Predictive Algorithms
- CBM Algorithms
- Statistical Modeling
- Data Analysis

Software Engineering

- Custom & Business Intelligence Dashboards
- Business Processes & Workflow Applications
- Data Visualization
- Agile Methodology
- Dev Ops
- Full Stack Development

TOOLS & TECH

- Python
- R
- Java
- React
- Angular
- SQL
- Airflow
- Docker
- Kubernetes
- Postgres
- Spring Boot
- Jenkins
- AWS
- JavaScript

DOMAIN EXPERTISE

- Predictive Maintenance
- Condition Based Maintenance
- Equipment Monitoring (HUMS, SUMS)
- Readiness & Downtime Optimization
- Supply Posturing & Forecasting
- Sensor Analysis
- Engineering Workflow Management
- SCADA Analytics
- Reliability Analysis

OUR LEADING CLIENTS



DIFFERENTIATORS

Our multi-domain experience allows us to apply varied expertise and skillsets to new industries and business needs.

- **Fusion:** Our in-house data analytics and software development capabilities provide you with a one-stop-shop for solutions.
- **Collaborative:** Leveraging our customer's subject matter expertise combined with our capabilities, we create a collaborative synergy that brings the best skills from both teams, fostering a shared mindset that consistently delivers outstanding results.
- **Adaptability:** A flexible, transparent, and hands-on team that can quickly adapt to evolving business requirements. With our agile and iterative approach, there's always room for adjustments.

EXPERIENCE WHERE IT COUNTS

Selected Case Studies

Long Term Down

Development of predictive model resulted in an 8% increase in fleet availability and savings over \$100M.

Reduced Rotor Vibration

Created a model that gave insight into sensor based rotor vibration factors, doubling the service interval of this critical component; saving millions in maintenance costs and increasing operational availability.

DELCORA

Catalyzed data-driven optimization in the water treatment process, successfully predicting concurrent blower use ultimately saving KhW hours and equipment strain.

FREYA'S 5D's

DISCOVER

- Initial Calls
- Understand your Operations, Pain Points, Nomenclature and available data

DIAGNOSTICS

- Detailed Deep Dive into data, operations, and problem space
- Review and analysis of the collected data

DESIGN

- Conducted at Freya's Design Lab
- Results in a Feasibility Study delivered to the customer

DELIVERY

- The development and deployment of solutions on a per project basis from those outlined in the feasibility study

DELIGHT

- 90 day post delivery assessment
- Part of the Freya Guarantee

 **Be more Proactive instead of Reactive**

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