



Ascentialytics™

Transforming data into actionable insights

In today's rapidly evolving technical landscape, users are increasingly overwhelmed by the amount of data generated by complex systems. Whether in medical and life sciences, automotive testing, or other technology-driven fields, managing data and deriving meaningful insights has become a critical challenge. Decision-makers struggle to optimize performance, identify anomalies, and make data-driven product improvements without a centralized, efficient analytics system.

Our Solution

Ascentialytics™ is a robust data analytics platform designed to seamlessly integrate into a wide range of instruments and devices, enabling real-time insights and data-driven decision-making. Our platform simplifies the collection, storage, and analysis of data, offering predictive analytics, anomaly detection, and customizable reporting. With an easy-to-use, visual interface, users can leverage powerful data insights without the need for expertise in complex data science.

Ascential's experts will customize the platform for your unique application, integrating this powerful software with your product to reduce development time and improve performance. This ensures you are collecting the right data and using it in the most impactful ways. Gain access to:

- **Real-Time Insights:** Ascentialytics™ collects data from your systems in real-time, allowing you to monitor performance, identify issues, and make informed decisions instantly.
- **Predictive Analytics:** Using machine learning algorithms, the platform can predict potential issues, enabling preventative maintenance and reducing downtime.
- **Customizable Dashboards:** Tailor user-friendly dashboards to your stakeholders' needs, offering role-specific insights for both technical and non-technical users.
- **Easy Integration:** Modular architecture integrates smoothly with existing systems and adapts to various runtime environments.
- **Scalable Platform:** The flexible Ascentialytics™ platform scales as your project and data needs evolve.

Feature Summary

- **Data Collection:** Seamlessly interface with instruments and devices via standard APIs (e.g. OpenTelemetry) and methods (e.g. application log parsing) to gather performance data and other metrics.
- **Data Storage:** Secure storage of vast amounts of data with high throughput, ensuring that no critical information is lost during testing or operation.
- **Data Analytics:** Utilize advanced algorithms, including machine learning, predictive analytics, and anomaly detection, to gain actionable insights from the collected data.
- **Visualization:** Real-time dashboards and custom reporting tools to monitor system performance, identify trends, and optimize device behavior.
- **Data Security and Integrity:** The platform ensures compliance with industry regulations such as HIPAA and GDPR, using encryption and access controls to protect sensitive data.
- **Modular Architecture:** Easily configurable for different runtime environments and requirements.
- **Real-Time Analytics:** Analyze and interpret incoming data streams to quickly adapt to changing parameters or identify issues.
- **Extensibility:** Support for third-party software integrations, enabling domain-specific applications.

With Ascentialytics™, you can harness the power of data to improve operational efficiency, product quality, and time to market—all without the need for data science experts.

To learn more about Ascentialytics™ or to speak to one of our experts, [contact us today](#).

Ascential

Medical & Life Sciences

+1 616 234 1200 | info@ascentialtech.com

ascentialtech.com/mls

Impossible? **Done.**