

## Ascentialytics

### Transforming data into actionable insights



Through Ascentialytics, we are tackling the challenges of a rapidly evolving technical landscape, where the overwhelming volume of data from complex systems makes it increasingly difficult to extract meaningful insights. Our brands serve technology-driven industries, in which managing data effectively has become essential. As decision-makers work to optimize performance, detect anomalies and drive data-informed product improvements, we are developing solutions to support these critical needs.

### Our Solution

**Ascentialytics** is a robust data analytics platform designed to seamlessly integrate into a wide range of instruments and equipment, enabling real-time insights and data-driven decision-making. Our platform streamlines the processes of data collection, storage and analysis, providing features such as 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 Technologies' experts will customize the platform for your unique application, integrating this powerful software with your product to reduce development time and improve performance. By leveraging our extensive knowledge and skills, we ensure you are collecting the right data and using it in the most impactful ways.

Ascentialytics enables users to access:

- **Real-Time Insights:** Ascentialytics collects data from your systems in real-time, allowing you to quickly monitor performance, identify issues and make informed decisions instantly.
- **Customizable Dashboards:** Tailor user-friendly dashboards to your stakeholders' needs, offering role-specific insights for both technical and non-technical users.
- **Easy, Product-Agnostic 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 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

Technologies | Test & Measurement Systems

+1 616 234 1200 | [info@ascentialtech.com](mailto:info@ascentialtech.com)

[ascentialtech.com](https://www.ascentialtech.com)

Impossible? **Done.**