



Aizon Unify

Unifying your disparate data into one visible and elegant whole

The pharmaceutical industry is undergoing significant transformation, a transformation that continues to have an increasing impact on the manufacture of drugs and vaccines. For instance, the intermittent introduction of stringent regulatory requirements commonly precipitates highly specific security measurements and restrictions. Such measurements and restrictions have a tendency to lead to the creation of isolated data silos; consequently, making the utilization and analysis of data a deeply complex and challenging task.

In addition to the challenges that an enhanced regulatory landscape brings, the accelerated use of biotechnology in drug and vaccine development has led to more elaborate manufacturing processes, with one outcome being the increased necessity to analyze and understand the data that such processes produce. Moreover, as these highly intricate processes are difficult to control and anticipate, it is necessary to take as much data as possible from different sources and of a disparate nature into account to gain as much knowledge about production operations as possible.

To help you collate and navigate your diverse and complex data, as well as elevate your manufacturing through increased production capacity, reduced operating costs, and improved product quality, Aizon offers you our Unify platform. No matter what your resources, size, and maturity are, Aizon and our single digital, GxP-compliant Unify platform will help you seamlessly convert your facility into a Connected Plant.



Solution:

→ Aizon Unify

Features:

- Data silo breakdown and data collation
- Pre-built analytics models
- Real-time monitoring and analysis

Benefits:

- Expand production capacity with dashboards that identify optimizations for one or multiple facilities
- Reduce costs with pre-built analytics tools and analyze your production data in real-time
- Improve product quality by leveraging pharmaceutical data models that identify and alert you to potential risks

Unify by Aizon



Unify is a GxP-compliant cloud-based software platform that weaves disparate and complex data into one visible, elegant whole. As a new way of seeing and learning from your process data, the Unify platform automates your manufacturing by bringing order and intelligence to your complex processes and ensures an enhanced delivery of quality life-saving therapeutic products.

The software itself sits on top of your tech infrastructure and easily and efficiently integrates with any pharmaceutical data, system, device, or sensor, providing you and your team with instant access to a steady stream of data. As well as offering a consolidated view of your facilities, the Unify platform features a UI and dashboards that allow for efficient manufacturing management, helping you to react in real-time and make better and more informed decisions on the go.

With Unify, everything you need is built-in. Analytical tools allow greater process insights and control, while data models can uncover and alert you to any potential manufacturing risks. Capable of identifying optimizations across multiple sites, Unify can further help expand your production capacity and product quality. Moreover, the platform's robust security features and data validation deliver trustworthy GxP compliance so your products are safe, meet their intended use, and adhere to quality processes.

By making real-time monitoring, analysis, and business insights accessible to anyone involved in the pharmaceutical manufacturing process, Unify allows you and your production team to make real-time decisions to root-out line errors and, as a result, gain efficiencies, reduce costs, and elevate your productivity and product quality far beyond that of your competitors.

Unify Key Features and Benefits

Convert Your Facility into a Connected Plant

Aizon's Unify platform creates a Connected Plant by linking independent manufacturing assets and systems, consolidating all data for easy and efficient management through a single digital dashboard.

Ease of Integration and Unlimited Data Sources

As our Unify platform easily sits on top of your existing tech infrastructure, implementation is fast, easy, and cost-efficient. Moreover, our platform seamlessly integrates with any pharmaceutical data type, system, device, or sensor.

Real-time Data Monitoring

By making real-time monitoring, analysis, and business insights accessible to every member of your production team, the Unify platform allows anyone to take immediate action to root-out line errors, gain efficiencies, and elevate your productivity and the quality of your product.

Data Contextualization and Visualization

The Unify platform's in-built contextualizing tools allow you to contextualize data and insights, which in turn allows you to make, with greater confidence, real-time decisions that have a greater value-based impact.

Fully GxP Compliant

Aizon's Unify platform allows you to maintain full GxP compliance via robust security features and data validation processes that are specifically and expertly designed to adhere to fluid pharmaceutical regulatory requirements. Unify adheres to industry standards to provide GxP compliance you can trust:

- Quality: ISO 9001
- Information Security: ISO 27001
- Cloud Security: ISO 27017
- All data collection complies with ALCOA+ principles

Increase Process Understanding

The Unify platform helps increase your process understanding with a single digital dashboard that provides easy access to data, a consolidated view of manufacturing facilities, and a simple digital interface for the management of the full production process.

Data Models

The Unify platform improves product quality by leveraging pre-built, high-powered pharmaceutical data models that identify potential challenges before they happen, and then deliver these extremely valuable insights and alerts via an easy-to-use dashboard.



Getting Started with Aizon Unify

Aizon Unify will help you leverage the knowledge that already exists in your company, knowledge that is not yet fully uncovered, to take the performance of your manufacturing operations to the next level.

In order to achieve holistic visibility across site operations and turn insights into a competitive edge, you will want to consider the following steps.

Business Case

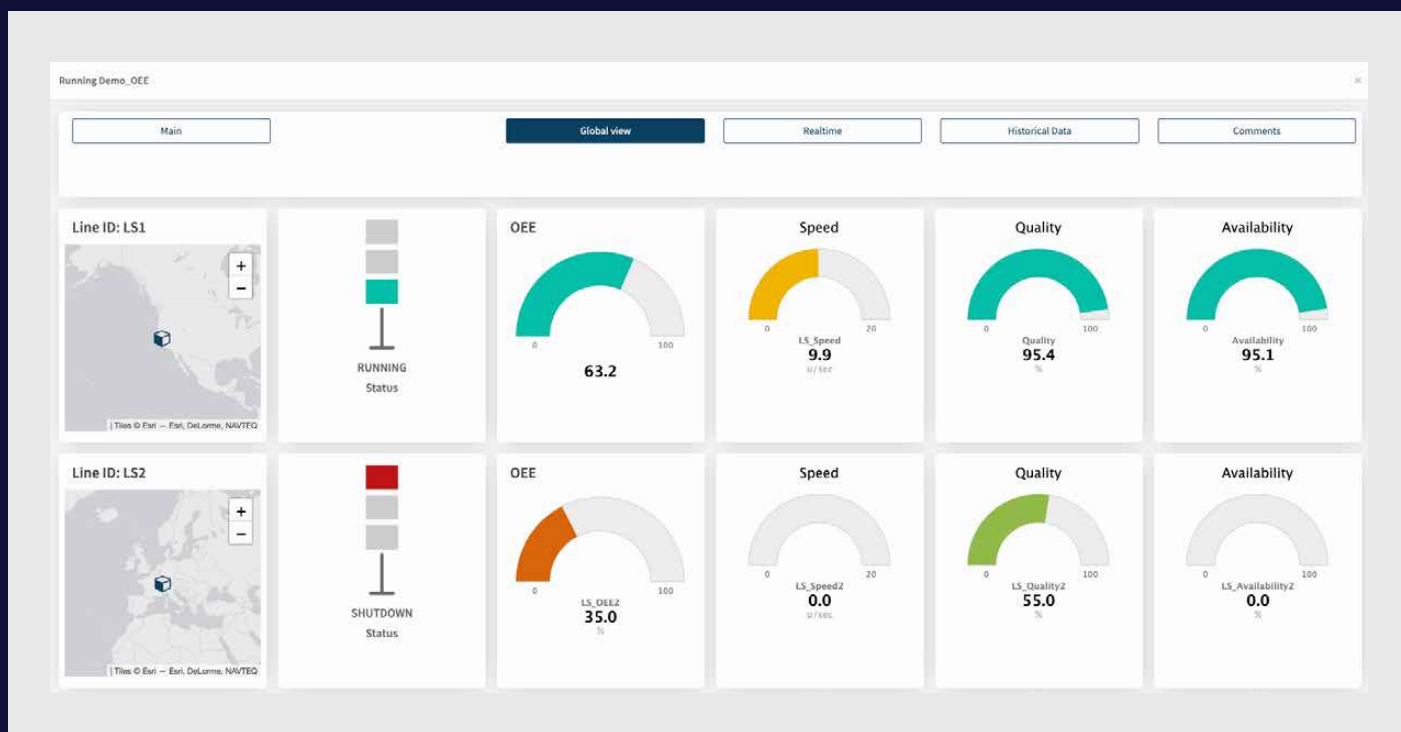
Select a business case with high strategic impact which contributes to the overall organization's goals with a team that is open to digital advancements. Ideally, working on this case will also allow you to extrapolate the insights and knowledge obtained and the lessons learned to other areas of the organization and potentially deploy across sites for greater impact.

Stakeholders

Aizon Unify allows your organization to create synergies between your talent and data resources. Identify stakeholders with deep understanding of the selected business case. Also consider related talent/processes that can also have an important but less apparent impact. The goal is to formulate different hypotheses that will help you leverage your hidden knowledge and the platform. Include cross functional stakeholders spanning from IT, Quality, and Manufacturing Operations for the most holistic benefits and adoption.

Data Identification

The key stakeholders identify the data that your company has in its current form. All relevant data should be considered, even the data that has not yet been incorporated in previous analysis due to a lack of integration. Uncovering relevant data sources, which Aizon Unify can ingest in many



forms, will allow your organization to mine vast amounts of information, capture your talent's knowledge and analyze processes at a level of granularity that is only possible with Aizon Unify.

Leveraging your Digital Twin

Once the selected data sources have been ingested into Aizon Unify, you will in essence have a digital twin of the data associated with the targeted process(es). Because it is a digital version, it can be manipulated in ways that are not possible with physical systems. Through this, your organization will now have access to vast amounts of data which can be easily analyzed and interpreted by your experts so it can be translated into practical knowledge. Holistic visibility is the key to identifying those aspects that will take you to the next level of performance and quality.

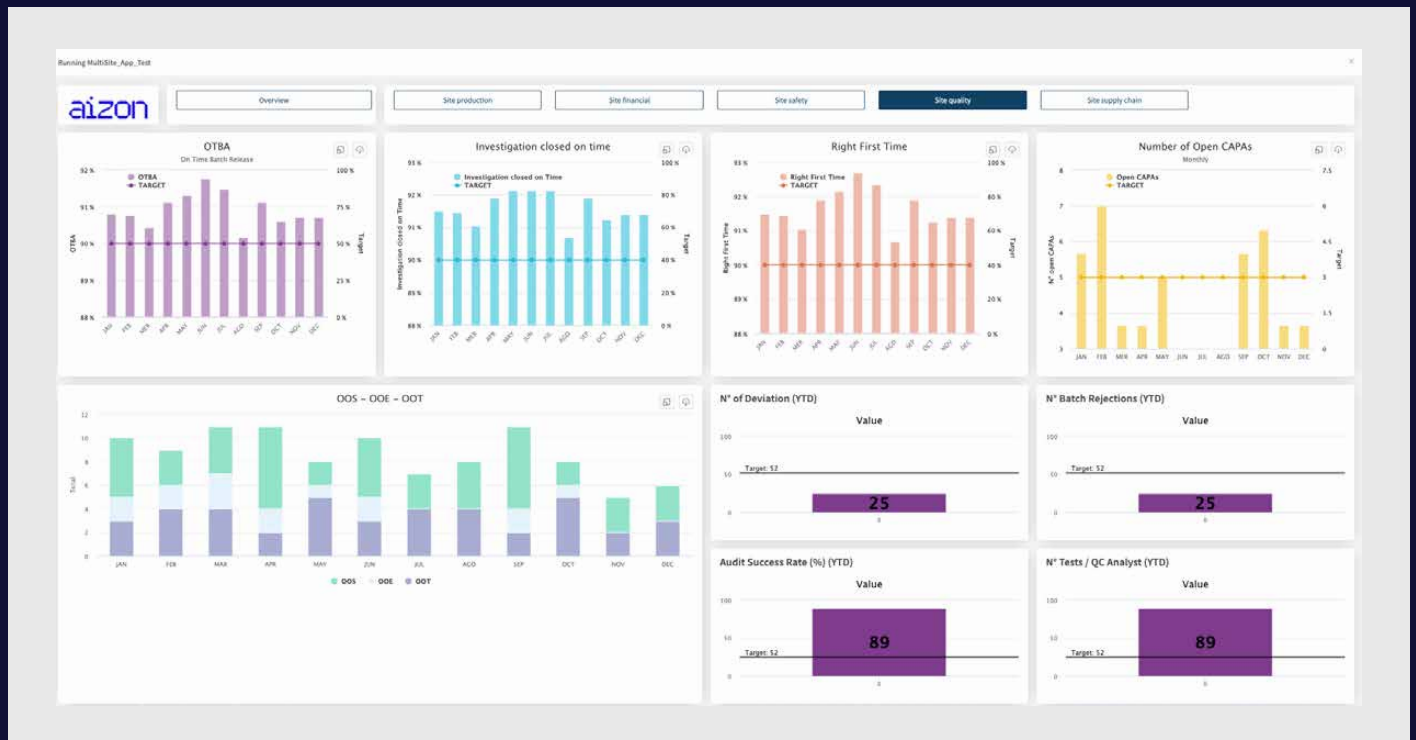
Empowering your Team

Training and user immersion programs will help your team get familiar with the platform. Aizon

Unify has a full suite of advanced analytics tools and widgets for data visualization and exploration. Process experts without previous data analytics knowledge will be able to use out-of-the-box, GxP compliant tools and will be able to discuss insights with the business leaders. Members of the team can leverage the platform's ability to deploy and scale models. Based on extensive experience helping customers achieve digital transformation, Aizon Consulting Services (ACS) team will help you navigate the process successfully, creating a system that effectively combines your experts' knowledge with data resources.

Industrialize and Scale

Aizon Unify allows you to industrialize and scale your knowledge quickly which means that you can extend performance and quality improvements across processes and sites, with corresponding impact on process optimization, quality and business value.



Awards



[Pharma Manufacturing
Pharma Innovation Award](#)



[Frost & Sullivan 2020
Enabling Technology
Leadership Award](#)

Industry Leading Initiatives



**Parenteral Drug
Association**

A Leading Global
Facilitator for Pharma &
Biopharma Industries



Xavier University
AI in Operations Team



**International Society
for Pharmaceutical
Engineering**

The Largest Pharma
Engineering Association

Certifications, Standards, and Regulations



Unlock the Full Potential of Smart Pharma Manufacturing with Aizon

Talk to our Sales Team: sales@aizon.ai

Learn More: www.aizon.ai

About Aizon

Aizon is a software provider that transforms manufacturing operations with the use of IoT, cloud, advanced analytics, artificial intelligence, and Pharma 4.0 technologies focused on optimizing pharmaceutical and biotech companies. The Aizon analytics platform seamlessly integrates unlimited sources of structured and unstructured data to deliver actionable insights across all manufacturing sites. Aizon offers an intuitive way to gain meaningful operational intelligence with data by enabling real-time visibility and predictive insights in a GxP compliant manner with end-to-end data integrity. Aizon is based in San Francisco, California and also has a European office in Barcelona, Spain.

The logo for Aizon, featuring the word "aizon" in a lowercase, blue, sans-serif font.

sales@aizon.ai
+1 628-243-2513

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