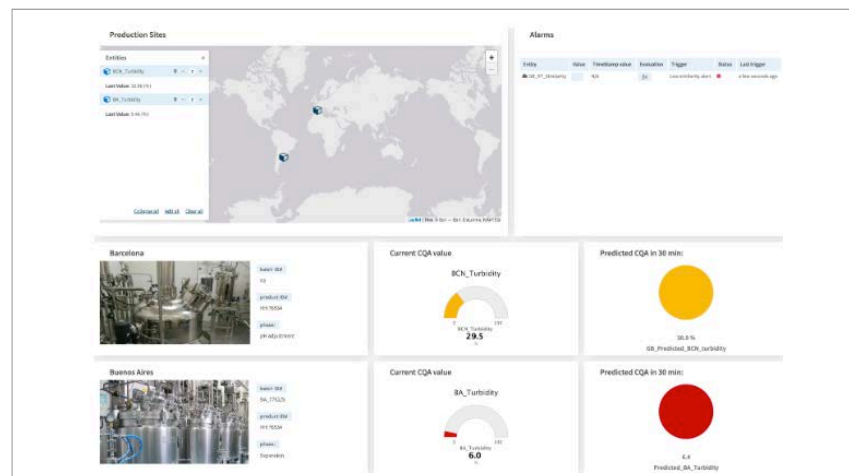# aizon predict

Deviation Reduction

Life Sciences manufacturing relies on advanced and interconnected processes and the expectation that every unit operation, process and piece of equipment is working as tested and expected. When this doesn't happen, process deviations occur, which is time consuming and costly for manufacturers.
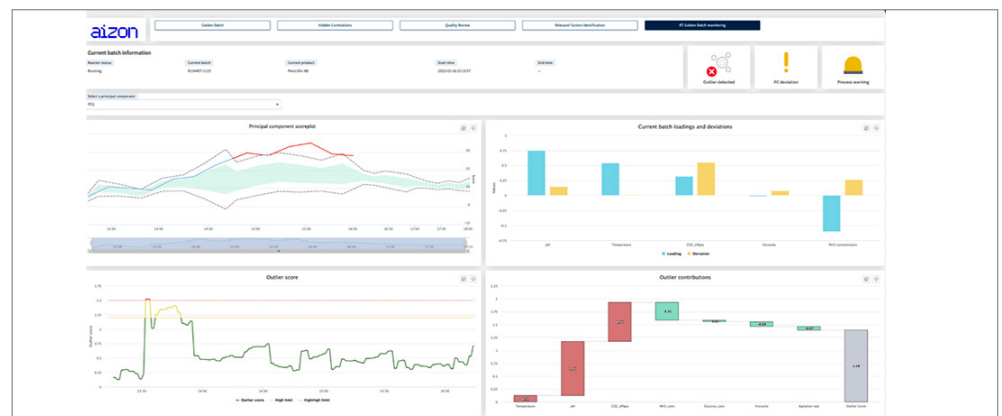
Aizon's Deviation Reduction Solution leverages AI models applied to real time behavior and helps uncover and quantify causal relationships between a broader spectrum of relevant factors. . Built on a platform designed to deploy and monitor AI models in a GxP compliant environment, this solution detects outliers and unexpected behaviors as AI/ML models monitor real time process behavior and provides notifications and recommendations to take action before a deviation occurs.
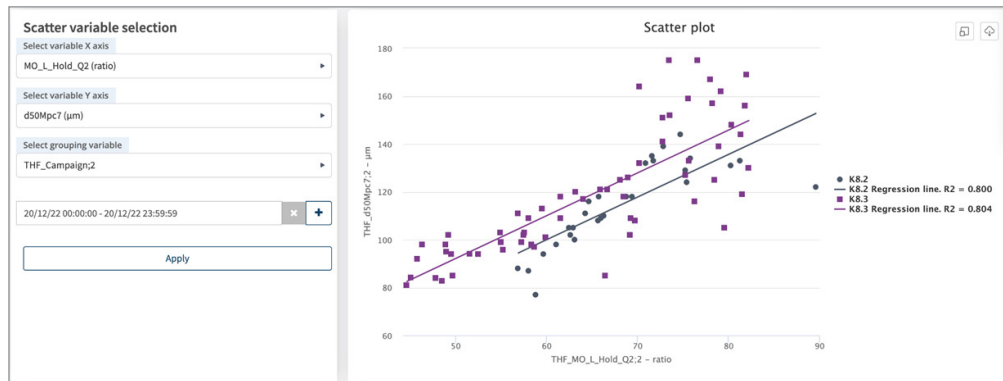
Key Features and Benefits

Monitor batch performance in real time, and leverage multivariate outlier detection and predictive models to proactively alert for operating conditions that will likely end up with future deviations.

Leverage AI to detect anomalies early and prevent issues, defects, Out–of–Specification and Out–of–Trend events.

Batch comparison tools and model performance monitoring provide a self learning solution to promote continuous improvement and expand the 'best demonstrated performance' to aim for in the next batch.

With Aizon's Deviation Reduction solution, Life Sciences manufacturers experience reduction in operational costs and decreased process deviations due to the predictive insights and warnings the solution provides. Key targets, like open number of CAPAs, investigation timelines, on–time batch release, are improved, all moving the organization closer to the target of zero deviations.

Aizon's Platform

Aizon's solutions enable life sciences manufacturers to improve decision making and outcomes by aggregating data and deploying compliant AI across the manufacturing ecosystem.

GxP Compliance

The platform allows you to maintain full GxP compliance via robust security features and data validation processes that are specifically designed to adhere to dynamic pharmaceutical regulatory requirements. Aizon complies with industry standards to provide GxP compliance you can trust:

→ Quality: ISO 9001

→ Information Security: ISO 27001

→ Cloud Security: ISO 27017

→ All data collection performed in accordance with ALCOA+ principles

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