

# AtonixOI

*Operational intelligence for asset experts.*

Executives and managers that own or operate assets in asset-intensive industries face unprecedented change due to accelerating technological advancement, constant business process innovation, aging infrastructure, a shift in workforce demographics, constrained budgets, and regulatory flux. By adopting a data-driven analytics approach to managing assets, leaders can better align their people, processes, and technologies to clear, well-defined strategic objectives and performance outcomes.

All Asset Performance Management software claims to prevent unplanned shutdowns – but most are focused on alerting of issues and intended for data scientists rather than asset experts. That’s where **AtonixOI** is different. Our solutions and products are designed for the asset expert -- the data scientist is built in so asset experts can employ machine learning in a straightforward no-code environment without the support of a data scientist. But our different approach extends past the analytics because unlike other providers, **AtonixOI** realizes that analytics are the start of a process. AtonixOI provides asset experts a proven workflow to diagnose issues and coordinate their resolution after the analytics detect an asset performance issue.

## Solutions & Products

Whether your company is just starting its digital transformation, has best-in-class practices to manage the performance of assets and achieve operational excellence or is somewhere in the middle, **AtonixOI software** can help your organization maximize asset performance and reliability.

### **AtonixOI Solution**

Looking to make the most of your investments in a data historian? The **AtonixOI Solution** operationalizes the data you already have to provide Operational Intelligence that improves plant management by detecting, diagnosing, and resolving issues to avoid unplanned shutdowns, improve asset efficiency and gain insight into asset performance. With multiple licensing options to fit the needs of any organization, chose between comprehensive coverage of assets with an enterprise license or focus on your critical assets with an essentials license.

For organizations that need just a piece of the full solution, want to get started or take the next digital transformation step with one of the AtonixOI products.

### **AtonixOI Explore**

For organizations looking to start their digital transformation, *Explore* collects and stores process data in a highly-secure location that can be accessed anywhere to gain operational awareness from the visualization of live and historical process data in trends and dashboards.

### **AtonixOI Insights**

Do more with the real-time and historical process data stored by your organization, *Insights* transforms operations with enhanced awareness of equipment and process performance with real-time performance calculations and advanced data visualization and exploration tools for a single asset or an entire fleet.

### **AtonixOI Resolve:**

Alerts detected by data analytics solutions are only valuable if they lead to action and issues are resolved before they impact plant operations. *Resolve* provides closed-loop collaboration between internal & external stakeholders to prioritize and resolve issues to mitigate operation risk.

Compliment your existing analytics and data historian products with individual AtonixOI products or leverage the full capabilities of the AtonixOI solution.

Our solutions and products enable the asset expert to self-administer analytics and we drive a full resolution process to prevent unplanned shutdowns and monitor asset performance.

*AtonixOI Solution and Products*

	AtonixOI Solution		Products		
	Enterprise	Essentials	AtonixOI Explore	AtonixOI Insights	AtonixOI Resolve
<b>Front End Modules</b>					
Admin Utilities	●	●	●	●	●
Data Explorer	●	●	●	●	
Dashboards	●	●	●	●	
Issues Management	●	●			●
Alerts	●	●			
<b>Back End Modules</b>					
Process Data Interfaces	●	●	●	●	
Data Historian	●	●	●	●	
ML Math Engine <sup>1</sup>	●	●			
Performance Calculator	●	●		●	
Issue Database	●	●			●
APIs <sup>2</sup>	●		●	●	●

1. Essentials license includes limited number of machine learning models.

2. Enterprise license includes freemium API package, while APIs are an optional add-on for products.

**Admin Utilities:** Configure and maintain AtonixOI to suit your needs.

**Data Explorer:** View historic and real-time process data trends to explore current and past asset performance.

**Dashboards:** View KPIs at the individual asset or rolled up to the system, unit or facility level to monitor performance.

**Issues Management:** Data-driven prioritization of issues through impact calculations, coordinate issue resolution with stakeholders.

**Alerts:** Real-time machine learning detection of abnormal asset performance relative to historical performance.

**Process Data Interfaces:** Collect and organize process data to power AtonixOI machine learning and calculations.

**Data Historian:** Store process data to explore past behavior and train machine learning models.

**Machine Learning Math Engine:** Detect emerging asset performance issues with a no-code modeling approach that empowers asset experts to model asset behavior.

**Performance Calculator:** Calculate performance metrics and first principle calculations from a library of industry standard content or create custom calculations.

**Issue Database:** An ever expanding knowledge base of past issues that helps asset experts quickly resolve new issues.

**APIs:** Connect **AtonixOI** to the other products used to manage your operations and assets to improve insights into your operations and achieve operational excellence.

To learn more about Atonix Digital and the AtonixOI Platform, visit [Atonix.com](https://Atonix.com).