

Turn your operational data into actionable intelligence with an end-to-end solution to reduce costs, ensure compliance, and drive sustainability



Key Benefits

Resource Optimization

Reduce waste, consumption, and cost of chemical, water, electricity and other resources. Machine learning models tailored to your processes continuously learn from historical data and provide optimal recommendations to operators.

Operational Resiliency

Create a more predictable supply chain with an accurate forecast of resource demand and costs. Maximize usage and budget with consumption models based on operational constraints.

Productivity

Prevent downtime with alerts, correlation, root cause analysis, and what-if scenario planning. Increase output and the bandwidth of operators by eliminating the need for data analysis and technical resources.

Sustainability

Reduce the carbon footprint of your operations by uncovering opportunities for greater efficiency. Accurately quantify your organization's impact and progress against sustainability goals with real data grounded in reality.

Compliance

Prevent the direct and indirect costs of regulatory non-compliance with alerts, prediction of potential violations, and preventative insights.

Enterprise Visibility

Start measuring and optimizing a single asset, process, or site and then easily scale across your entire operations for a global view of productivity, efficiency, and impact.

Reduce Negative Impact And Drive Positive Business Outcomes

-11%

Effluent Quality Risk
[Chemical Manufacturer]

-23%

Chemical Cost
[Chemical Manufacturer]

-5%

Water/Energy Consumption
[Global Brewer]

-10%

Downtime
[Oil & Gas Company]

“

The platform has really helped us embrace our philosophy of efficiency. With Plutoshift, the last three months have been the best in the last two years!

”

-Corey Rowley, Brewer | AB InBev, Van Nuys

Bring The Power of Data Intelligence to Your Physical Infrastructure

Platform Features

Industrial IoT Hub

Plutoshift ingests, processes, and curates all your infrastructure, business, and third-party data, creating a foundation for generating insights. We automate and maintain the entire data pipeline without the need for additional hardware, tools, or IT resources.

Performance Monitoring

Get an always-on view of your operations at the process, site, and enterprise level. Operators have immediate visibility of trends and KPIs for every process and asset. With configurable alerts, response tracking, and contextual reports, teams can quickly identify problems, prevent downtime, and uncover the root cause of issues.

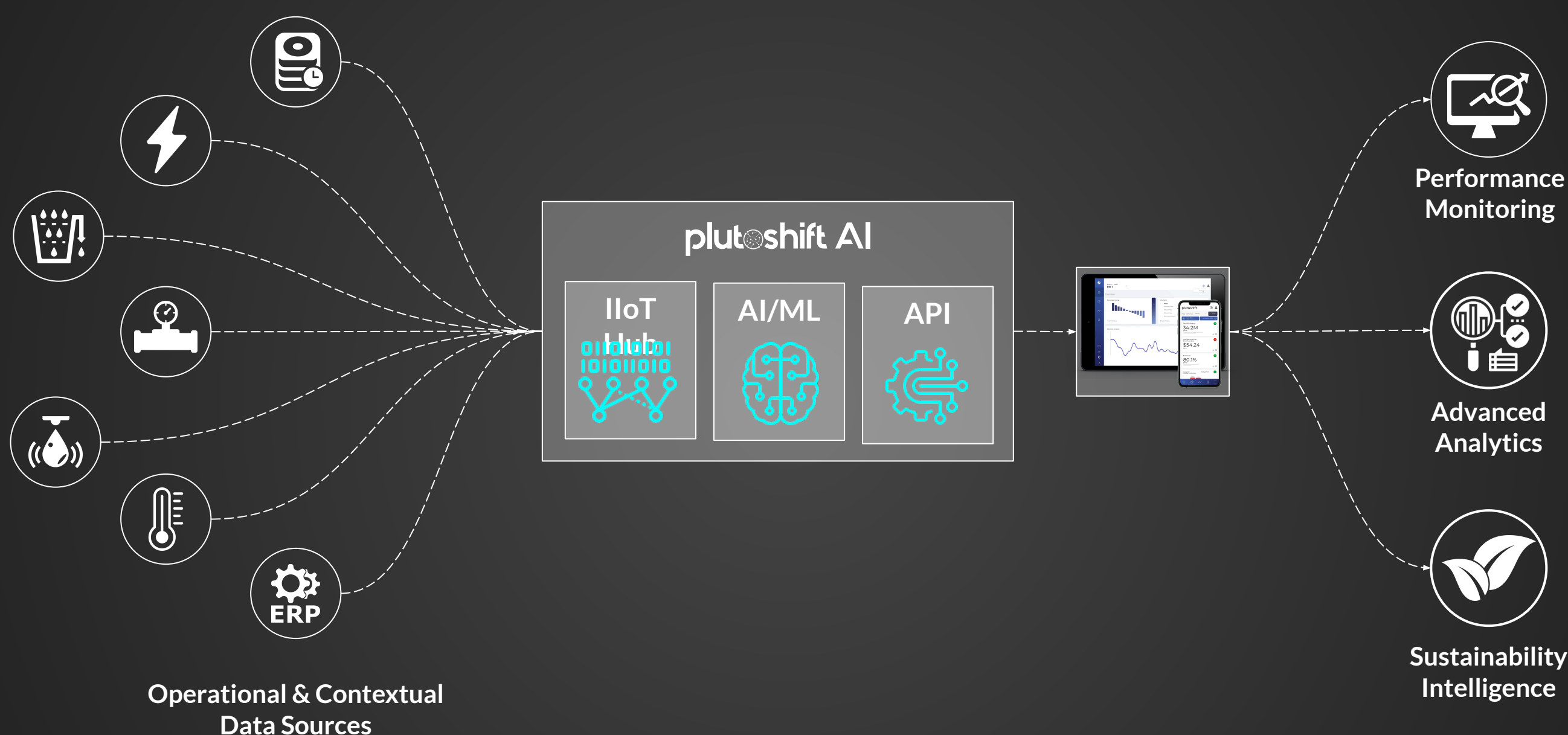
Advanced Analytics

Machine learning models tailored to your specific processes and continuously learning from your historical data deliver advanced insights for proactive decision making. Teams can accurately forecast costs and resource consumption, predict failures and asset maintenance, and intelligently allocate resources.

Sustainability

Measure and mitigate your climate impact with data grounded in reality. Plutoshift provides a process, site, and global view of your climate impact with KPIs, trends, and advanced analysis easily configured and shared with stakeholders.

The Plutoshift Operational Data Platform



Chemical Dosing

PlutoShift optimizes the cost and consumption of chemicals used in various dosing applications, such as wastewater treatment. By applying machine learning against budgetary and regulatory thresholds, PlutoShift provides operators optimal dosing recommendations which reduce costs while maintaining compliance.



Reverse Osmosis

PlutoShift maximizes the efficiency and cost of water filtration with performance monitoring of RO assets and predictive maintenance schedules. Operators can dramatically improve water productivity, energy usage, and the cost of RO replacements and cleanings.



Energy

PlutoShift detects spikes in consumption across energy intensive processes such as heating and cooling. It provides prescriptive intelligence to mitigate those spikes within assets like boilers and pumps. Operators can dramatically increase the energy efficiency of their infrastructure by taking actions ahead of time.



Waste Management

PlutoShift monitors industrial waste and tracks the performance of various processes. It provides a unified view of waste management including treatment, recycling, and environmental impact. The platform identifies bottlenecks, alerts managers, and provides recommendations for resolving issues.



Sustainability

PlutoShift optimizes resource-intensive processes and identifies novel opportunities for organizations to reduce their impact across carbon, waste, water, and energy. Metrics, KPIs, and advanced analysis based on real operational data and organizational constraints and targets provide organizations with a process, site, and enterprise-wide view of the sustainability performance of their operations.

And Much More...

The plutoShift platform is capable of applying similar optimizations to any industrial process. The flexibility and extensibility of the platform enables the integration and configuration of an unlimited number and type of operational, contextual, and even third-party data sources. You can start with any single asset or process and then easily scale within a site or across your global operations.