



## Major Chemical Manufacturer Saves 15% in Wastewater Chemical Costs

### Challenge

Texas based chemical manufacturer struggled to manage total operational costs to meet NPDES outfall permit limits.

- To meet limits, total cost of operation was 20% higher
- Weekly jar tests did not result in optimal dosing rates
- Several plant audits could not predict effluent quality
- Technical team lacked expertise to optimize dosing rates

### Solution

PlutoShift Advantage was deployed with plant managers to:

- Control chemical cost by optimizing dosing
- Unlock process improvements through correlation analysis
- Detect anomalies to mitigate water quality risks
- Monitor the performance of sludge settling

### Results



**15%**

Reduction in Chemical Costs



**11%**

Improved Effluent Quality Risk



**10%**

Improved Settling Efficiency

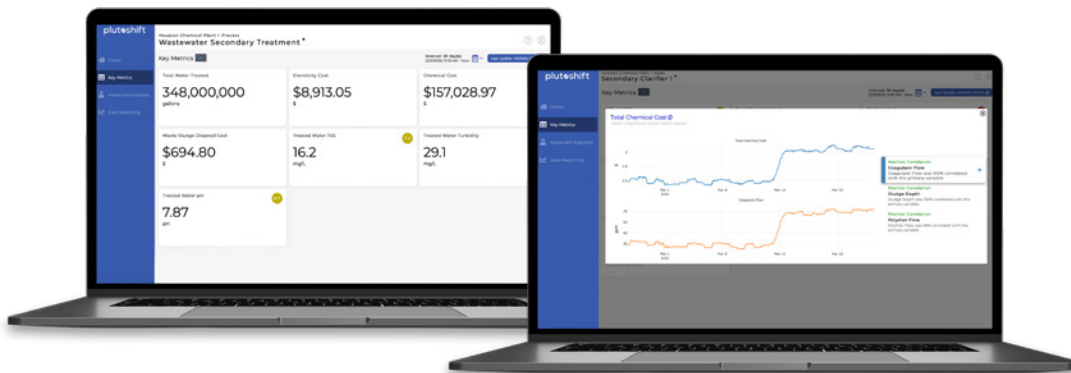


Figure 1: Custom key metrics for monitoring and alerting. Set setpoint and alarm conditions.

Figure 2: User-friendly root cause analysis and work orders to communicate corrective actions to the plant.

## WHO WE ARE:

PlutoShift's GROUNDED AI™ platform empowers teams with automated performance monitoring for any industrial workflow. We help industrial businesses drive ROI by reducing resource consumption and operating costs.

Schedule a DEMO now at:

✉ [hello@plutoshift.com](mailto:hello@plutoshift.com)

🌐 [plutoshift.com](https://plutoshift.com)

**Advantages:** PlutoShift transforms passive data collection into active performance monitoring across industries like food & beverage, oil & gas, power & renewables, chemical, and manufacturing. This enables operators to automatically monitor and predict the performance of critical processes and have access to actionable information in real-time.

**Benefits:** PlutoShift's insights are displayed through an interactive platform and allows customers and stakeholders to visualize KPI's and data. Our platform is easy to implement. We take data from disparate, unconnected systems to reveal valuable insights and integrate seamlessly to deploy a solution. There's no hardware to purchase and you can access the PlutoShift platform anytime, anywhere from any computer or smart device.