



Lower Plant Expenditures via Reduced Chemical Usage

Application

Chemical fees can be a sizable cost to both water and wastewater treatment plants. Challenges arise when the contact time is long, making it unsuitable for traditional automatic PID control. The chemical optimization solution ensures that the correct amount of chemicals are applied to safely run plant operations. This eliminates unnecessary chemical usage attributed to imprecise controls and human compensation.

Strategy

Chemical Usage

The chemical optimization solution models the process utilization of acid and base chemical usage. Our solution adjusts the pH, optimizes usage and minimizes operation above and below setpoint levels.

Results

- Optimizes chemical usage
- Improves the ability to react to changing plant conditions

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