

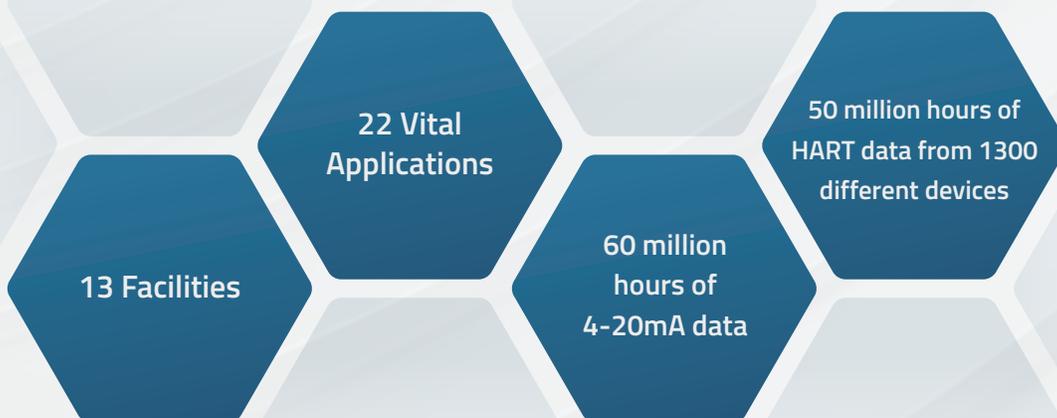


## Overall, operating results still fall short of goals and expectations

- 20% of PID loops are not designed well
- 30% of control loops have valve problems
- 10% have Instrumentation problems
- 40% of control loops cause process oscillations
- 35% of control loops are poorly tuned

According to Pi Control Solutions LLC  
and our own customer experiences

## We began to address these issues by data mining many of our extensive process improvement projects



Patent Pending

# Prioritize



Fortunately, all these performance shortfalls leave data patterns that can be classified and improved

Oscillations

Flawed Loop Dynamics

Saturated Devices

Outage Events

Flawed Tuning and Timing

Destructive Trends

## Prioritize is a Quick and Easy Service

Analyzes 6-12 months of historian data patterns

Identifies the most significant concerns

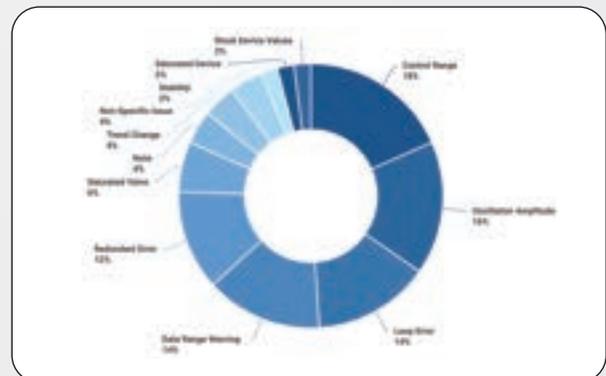
Finalizes the most important actions and next steps

## Your Results

### Corrective Actions

INTRODUCTION	RECOMMENDATIONS	INVESTIGATE	EXAMPLES
<p><b>Air Blockage - Step by Step Investigation</b></p> <p><b>Step 1</b>  <a href="#">Review Actuator Testing Data</a>            If the actuator pressure is elevated in only one direction of the test or one chamber of the actuator, this can help you identify where to look for a blockage...</p> <p><b>Step 2</b>  <a href="#">Check for Air Blockages</a>            Check the air supply lines and vents for blockages and constrictions. This may be as simple as a tube that needs to be deburred or a port with debris. It may also be as simple as undersized or differently-sized ports/vents.</p> <p><b>Step 3</b>  <a href="#">Consider Repair/Replacement of Blocked Components</a></p>			

### Recommended Improvement Paths



Patent Pending

Powered by