Valmet
FORWARD

Optimized performance throughout the plant's lifetime

Valmet PlantTriage™ loop monitoring software

Finding and fixing issues at their root

Valmet PlantTriage™ continually monitors your plant to identify issues whenever they occur. The software prioritizes the information based on technical and economic factors, helps find the root cause of issues, and provides a complete set of analysis tools to resolve the problem at its source.

Increases production

The bottlenecks in the process can be identified by PlantTriage, then the system suggests improvements in order of priority.

Finds energy savings

PlantTriage finds energy savings. Start saving energy in a few days, as it discovers energy savings opportunities like oscillating temperature controls.

Improves quality

Our software improves stability and reduces variability. It increases on-spec product and reduces waste.

Finds root cause

Save time, focus on the right problems. PlantTriage analyzes the entire plant and points you towards the source of disturbances in the process.

Stabilizes process

PlantTriage stabilizes the entire plant. Operators gain trust and flexibility to move the process in the best direction. Management will have more confidence in forecasts.
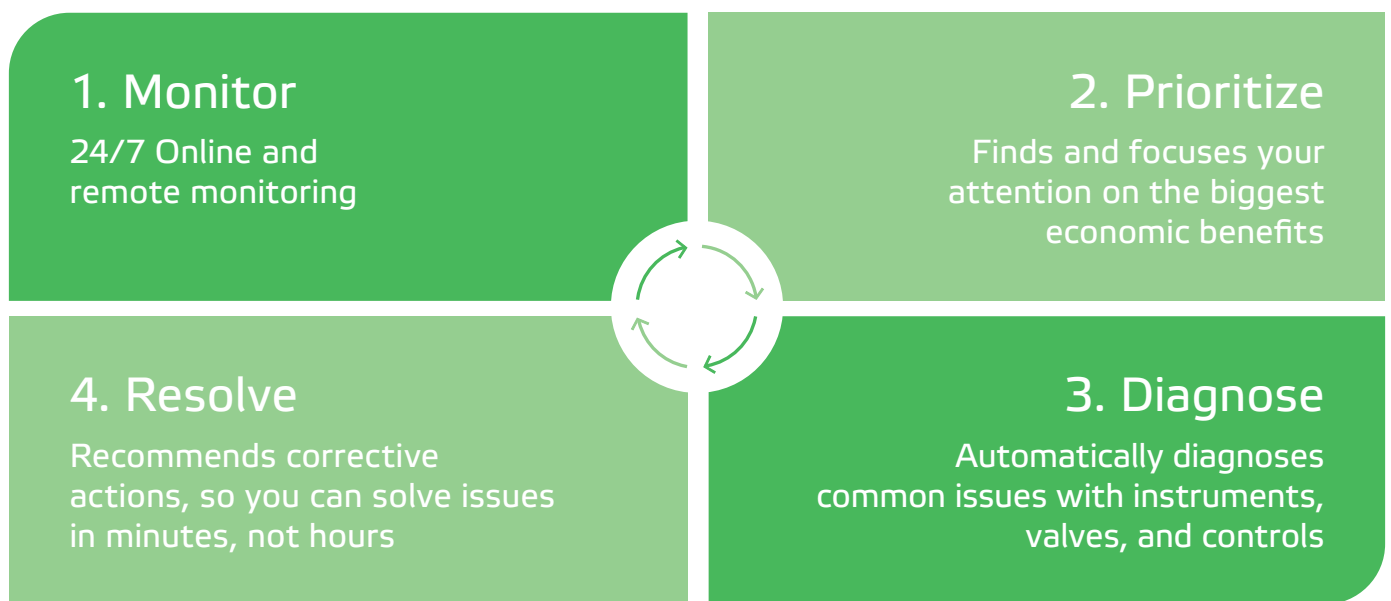
Typically you can achievea 100% return on your investment in 6 months.

PlantTriage assesses loop performance, and shows you how to improve business and technical results.
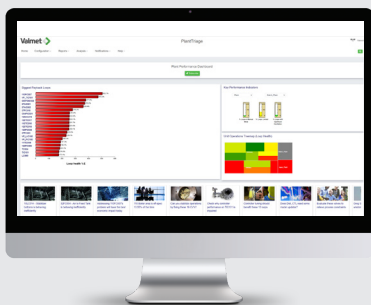
PlantTriage continuous improvement

Hidden control system issues can reduce production efficiency in your plant. These problems often include mechanical issues with instruments and valves, controls in manual mode, process instability, controller tuning, and more.

1. Monitor
24/7 Online and remote monitoring

2. Prioritize
Finds and focuses your attention on the biggest economic benefits

4. Resolve
Recommends corrective actions, so you can solve issues in minutes, not hours

3. Diagnose
Automatically diagnoses common issues with instruments, valves, and controls

Even without smart positioner data, PlantTriage detects most of the common failure modes for valves.

Valve failure modes detected by PlantTriage:

AIR	Abnormal instrument reading	LOO	Low output
DOP	Delayed operation	SER	Minor in-service problems
FTC	Fail to close on demand	PLU	Plugged / Choked
FTO	Fail to open on demand	SOP	Spurious operation
FTR	Fail to regulate	LCP	Valve leakage in closed position
HIO	High output		
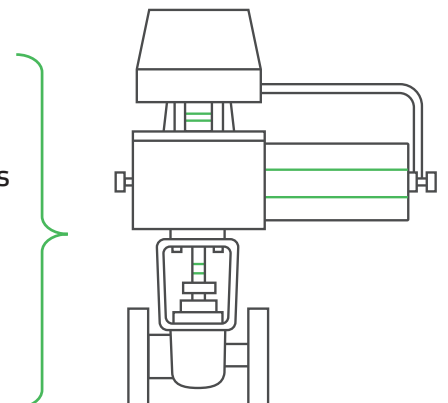
Customer case:
A pulp & paper mill in Canada

Bleach Plant saves over $500,000/year

Challenge **Stabilizing performance**	A pulp & paper mill in Canada brought in our engineer to focus on their Bleach Plant operations, using the information provided by PlantTriage.
Benefit **Accurate information and on-site expertise**	Working with an on-site engineer and operating technician, they stabilized many aspects of the Bleach Plant's performance. This hands-on approach addressed process issues, controller tuning, and valve repairs.
Solution **Reduced chemical use**	The net result on-site was a reduction in chemical usage, totaling over $500,000/year.

Customer case:
Klabin Ortiguera pulp mill, Brazil

Stabilized production

Challenge	
Reducing Average Absolute Error in a mill with 2,000 automatic valves	• Stabilize the process • Reducing process variability • Reducing control errors
Benefit	
Partnership provided technical expertise and a roadmap for improved stability	• Maintained high quality standards • Variable costs are controlled • Saved chemical costs • Reduced valve wear • Re-focused on process optimization
Solution	
Software and services delivered	• Valmet PlantTriage software • Online control loop monitoring and tuning • Predictive analysis with real-time corrections • Technical expertise, including customized valves

Valmet's professionals around the world work close to our customers and are committed to moving our customers' performance forward – every day.

Valmet ◇