

NELES

A woman wearing a white hard hat and safety glasses is looking upwards and to the right. She is wearing a yellow safety vest over a grey collared shirt. The background is a blurred industrial setting with warm yellow and orange lights. Overlaid on the scene are several futuristic digital interface elements, including a world map, various charts, and data points, all in a blue and white color scheme.

Expertune™ PlantTriage™
loop monitoring software

Optimized
performance
throughout the
plant's lifetime

Expertune™ 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.

Finding and fixing issues at their root

Increases production

The bottlenecks in the process can be identified by Expertune 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

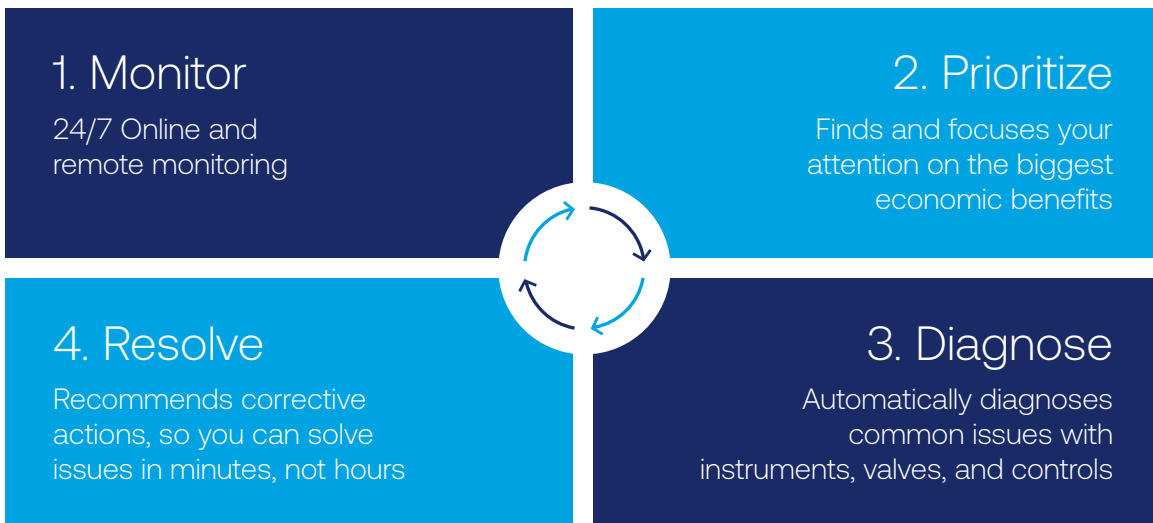
PlantTriage stabilizes the entire plant. Operators gain trust and flexibility to move the process in the best direction. Management will have more confidence in forecasts.

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



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.

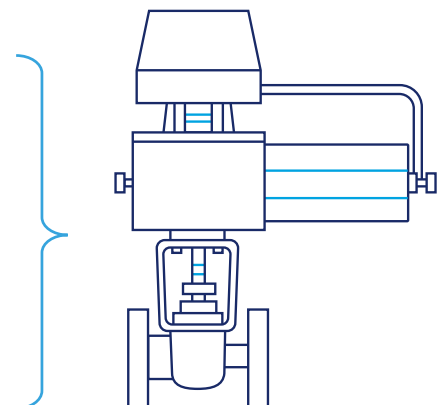
Expertune PlantTriage continuous improvement



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 a Neles engineer to focus on their Bleach Plant operations, using the information provided by Expertune 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.

Result

Reduced chemical use

The net result on-site was a reduction in chemical usage, totaling over \$500,000/year.

Typically you can
achieve a 100% return
on your investment
in 6 months.



Find out more. Get in touch.

To find out more about Neles flow control solutions for process industries, please get in touch or read more online at neles.com

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Reinventing
reliability