

How to conduct a gear inspection

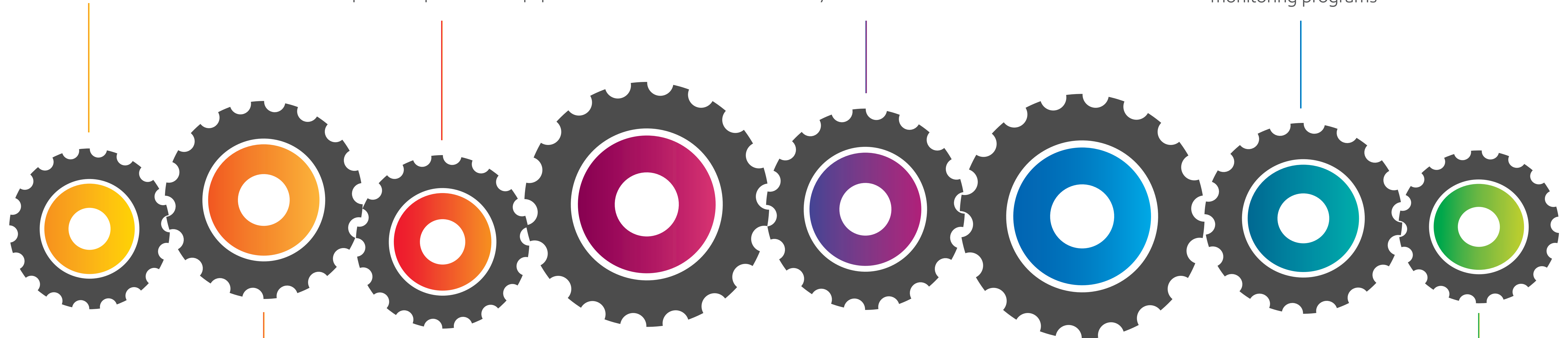
To improve the life and performance of gears, it's important for maintenance personnel to understand how to inspect, report, and document the condition of these critical units. By following the inspection steps outlined below, operators can identify any potential operational or maintenance issues that may be impacting the productivity and performance of their equipment.

1 Identify critical gear units within your plant

3 Prepare for a safe inspection by wearing the appropriate personal protective equipment

5 Document gear condition with photographs and identify wear trends

7 Correlate to other in-plant equipment monitoring programs



2 Schedule inspections to occur during plant or system outages

4 Record the condition of each component

6 Compare the results with previous inspection data, industry standards and other equipment benchmarks

8 Document findings in a formal report and share completed report with your team

A properly conducted gear inspection can deliver a number of potential benefits:



Safety and environmental improvements



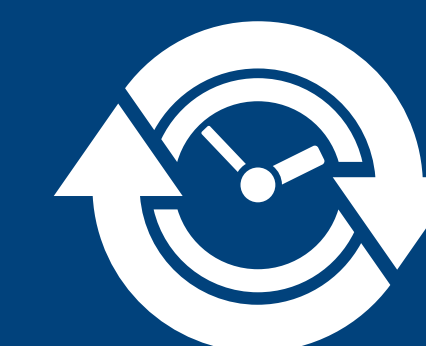
Fewer gear replacements and enhanced maintenance efficiency



Reduced unscheduled downtime



Lower maintenance and labor costs



Increased productivity potential of equipment