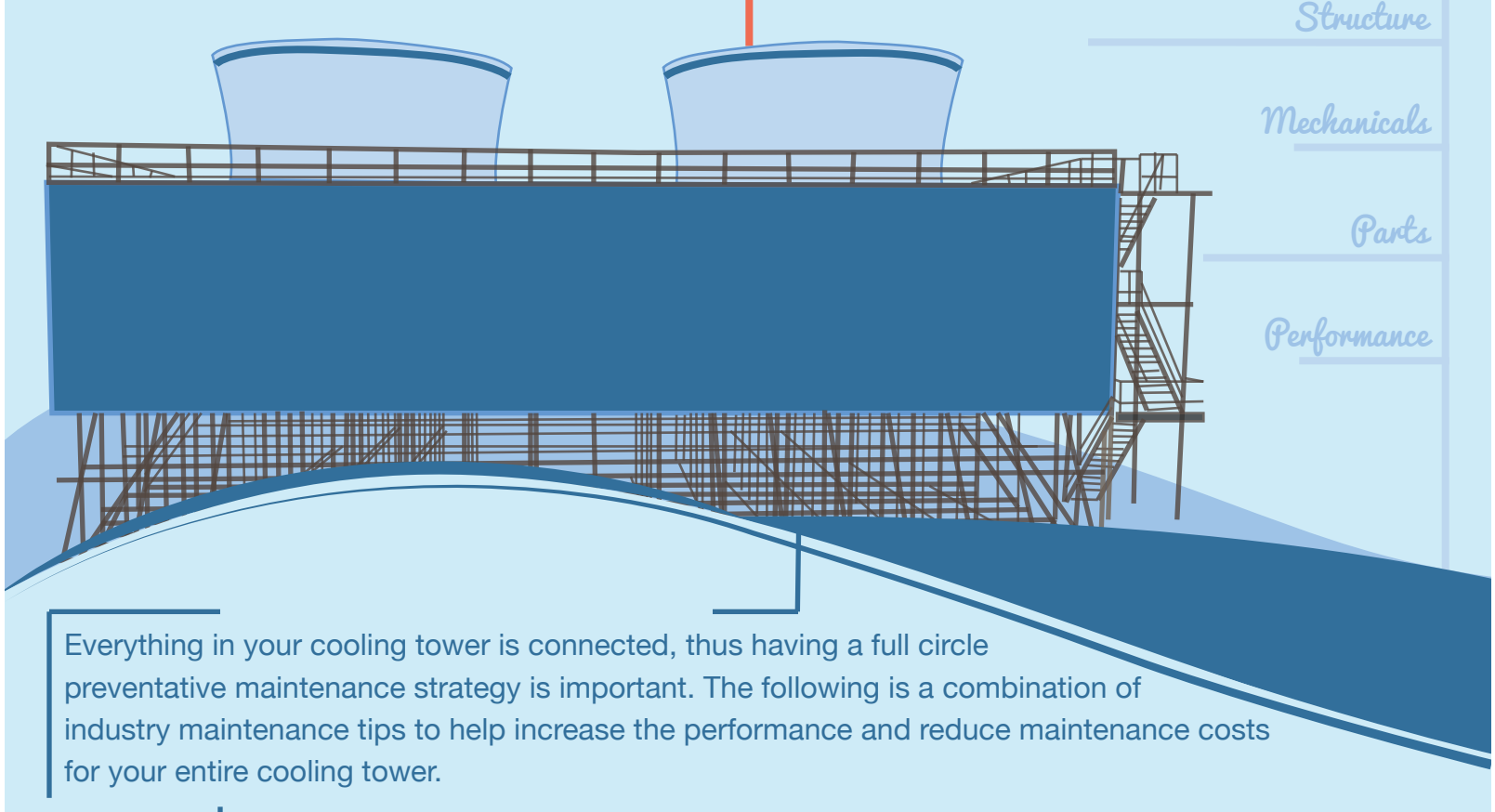
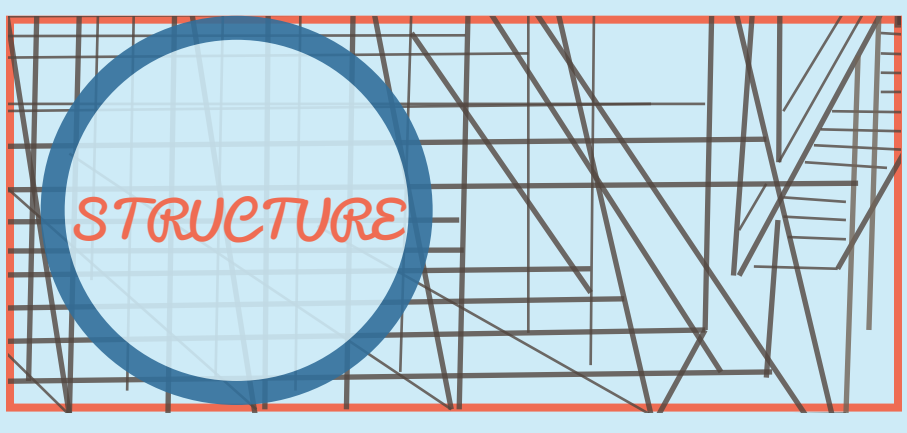
PREVENTATIVE MAINTENANCE



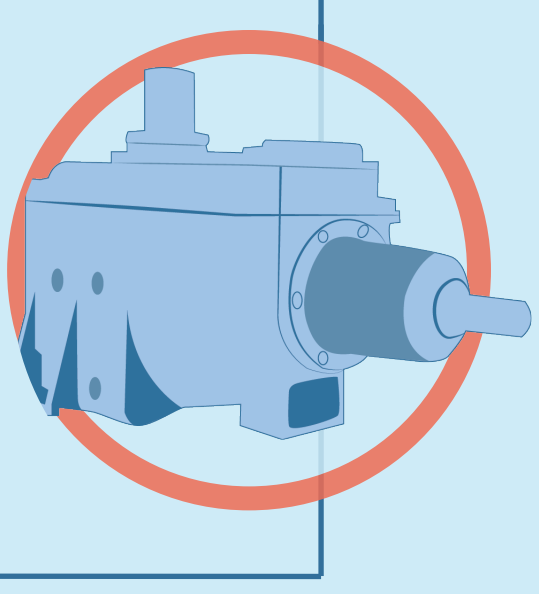
Everything in your cooling tower is connected, thus having a full circle preventative maintenance strategy is important. The following is a combination of industry maintenance tips to help increase the performance and reduce maintenance costs for your entire cooling tower.

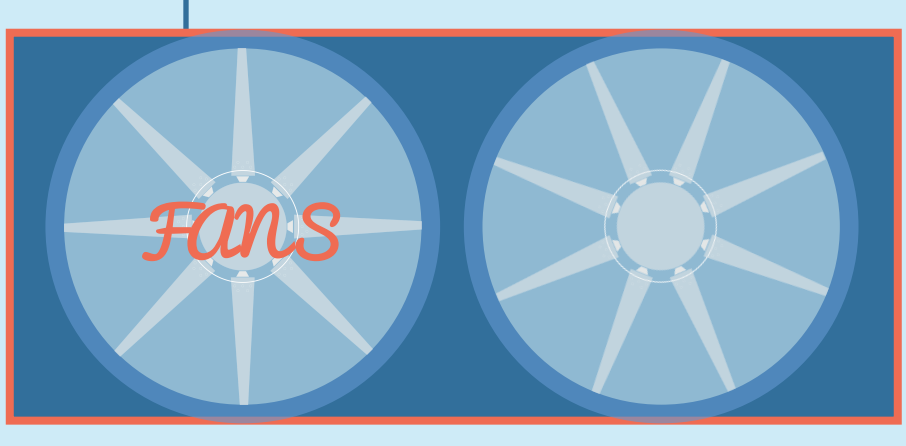


- Maintain wood and fiberglass structures with a protective coating. Wood needs to be re-coated and maintained yearly, while fiberglass structures only need a coating every 5-7 years.
- Weather conditions can be harsh to wood structures. Maintain tightness of bolts & hardware.
- Watch for wood rot and other biological and chemical attacks that will deteriorate structural integrity.

GEARBOXES

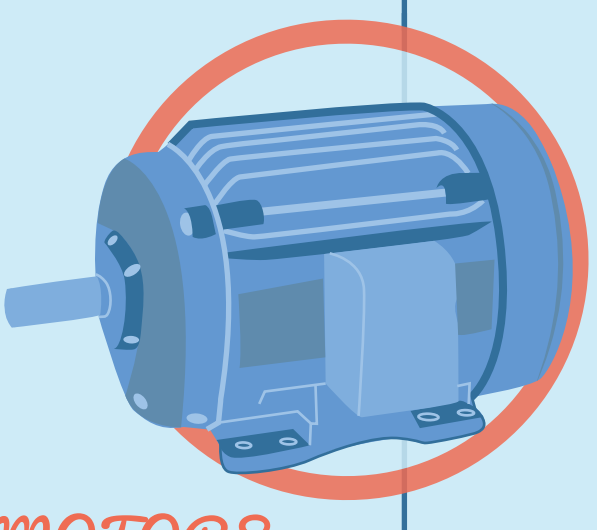
- Check your OIL LEVELS monthly
- Analyze, change and check for OIL DEBRIS every 6 months
- Check for oil leaks or blockage in the oil line hoses or vent lines.





- Keep Fan blades in proper alignment and monitor vibration with vibration switches.
- *Tip: For the best cooling performance, install the seal disc for the fan.*

HOW TO ALIGN FAN BLADES



MOTORS

- Be aware of corrosion that can eventually take over a motor. For additional operations and maintenance, reference your manufacturer manual.

FIND YOUR MOTOR MANUAL

There are two main things to help maintain fill lifespan:

A) Choosing the right type of fill based on your operations and water quality.

B) Maintain tower water quality as much as possible.

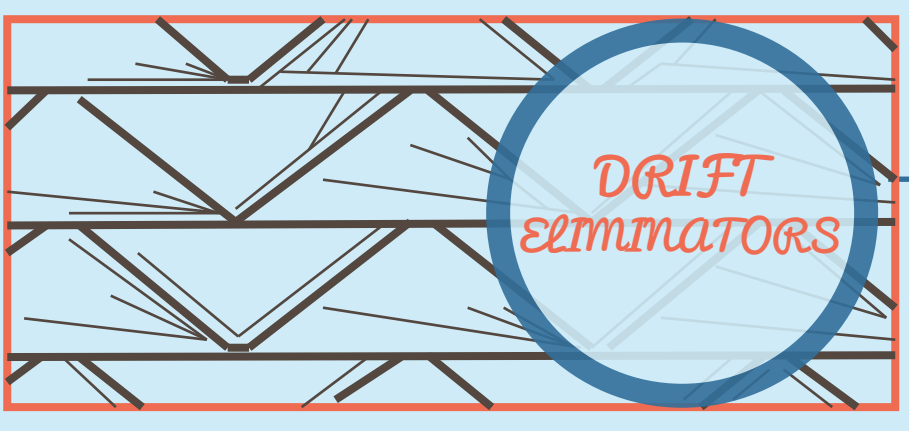


NOZZLES



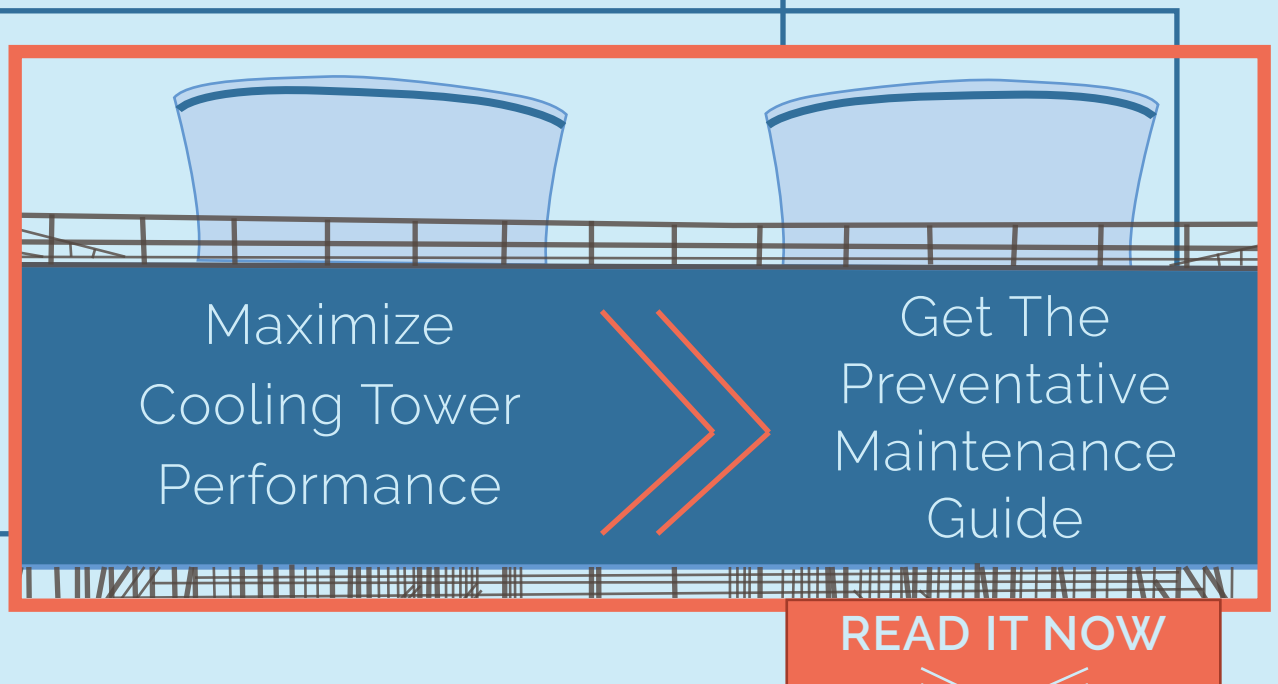
Broken or clogged nozzles can lead to poor performance and additional, more severe cooling tower issues. Check your water distribution system periodically and watch for the following indications:

- Concentrated Streams of Water
- Large dry areas or uneven flow through the fill
- Any signs of rot, cracking, warping, or delimitation



Like your fill, DE's can be maintained with frequent inspections and control of water quality (as much as possible).

- Watch for biological growth that clogs your DE's
- Look for UV damage to your DE's *Tip: Most DE's are black in color, if they appear light grey this is a good indication they have UV damage.*



READ IT NOW

Start reducing costs, improving cooling capacity and maintaining mechanical systems and structures of your cooling tower by improving your preventative maintenance strategy.

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