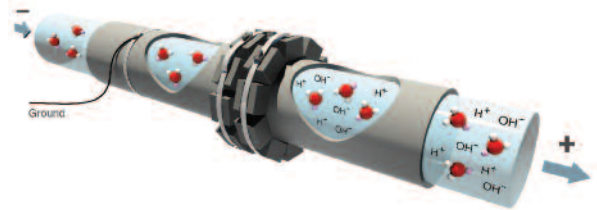


WRAP™ Physical Water Treatment



The WRAP™ systems works by imparting a large spectrum of opposing electromagnetic fields across the flow of water-cooled HVAC loops. The electromagnetic fields effectively transform the harmful properties of water as found in forced water loops. The properties that typically cause the most harm in cooling loops are effectively neutralized, minimizing the common threats to the assets.



Scaling and corrosion of cooling towers and boilers are expensive, serious problems that have been traditionally treated with chemicals.

However, in reality, corrosion and scale are the result of a physical process. Flowing water has a positive charge, which it transfers to feedwater pipes. The positively charged pipes then attract both oxygen atoms and calcium carbonates. The oxygen molecules cause oxidation and corrosion while the carbonates form scale.



Today, support for the effectiveness of green, sustainable MWT over toxic chemicals in industrial feedwater comes from numerous studies and reports. These include The Department of Energy (DOE), the US Coast Guard, NASA, the American Society of Corrosion Engineers (ASCE) and more. Supporting the research is the success of actual installations applying MWT. According to the DOE, there are hundreds of thousands of successful installations that show MWT is capable of controlling scale for months or years, while eliminating the periodic cleaning or descaling of process equipment.

