

SERVICE DESCRIPTION:

Cooling Water Problems You Might Face

Problems in cooling systems might cause major consequences in related systems.

For example will the life time of oil be affected by an insufficient cooling of the oil. Insufficient heat transmission might cause unintentional shutdowns of the system.

Risk of Bacteria

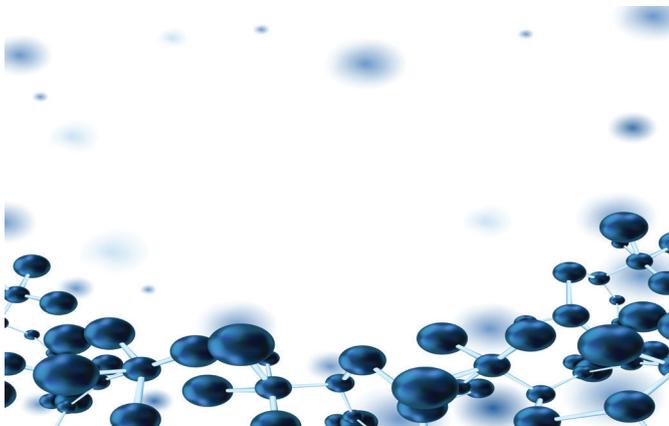
Bacteria are found in all cooling systems. Only a few hours after an otherwise well-protected facility becomes bacteria free, the damaging micro organisms grows again. The bacteria, including Legionella, poses a serious risk of your production, of your employees, of the company's environmental status and reputation.

The sanitation of your cooling water requires thorough knowledge to the materials used in your facility, to your environmental requirements, as to your other water treatment. It can be done without any loss of water, chemicals and energy.

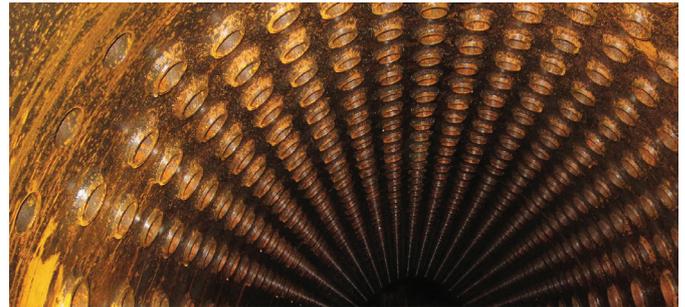
Coating Danger

All facilities are exposed to coating danger, no matter how your up water is pretreated.

Coatings of calcium, corrosion, silica, bacteria/biofilm and eventually grease/oil demand a targetted effort by your cooling water treatment. Coatings degrade heat transmission, reduce efficiency, increase energy consumption, give higher CO2 emissions and provide a breeding ground for undercoat corrosion.



▲ *Understandings on an atomer level is imperative*



▲ *Example of corrosion*

Corrosion Danger

Corrosion develops in all industrial cooling systems and appears amongst others as:

- Oxygen corrosion
- Galvanic corrosion
- Undercoat corrosion
- Gap corrosion
- MBK/Bacterial corrosion
- Standstill corrosion

This is How We Do:

an all-inclusive total agreement:

Receive an industry-specific cooling water solution customized to your needs. You receive consultancy, chemical cleaning of your system, specialty chemicals for maintenance, and analysis; all collected in one manageable package.

Ocean Team Group deliver a package solution customized to your system needs and requirements. To obtain optimal result for your production, we prefer a close cooperation with you to:

- Uncover and prioritize cooling areas needing optimization
- Optimize units for you to obtain best profitability and longest life of plants
- Document and highlight areas of action and the related results
- Coach your organisation introducing new and more profitable routines - and maintain these.