

# HYDREX™

Cooling Water Management

## Preventive Solutions, Water Safety Plans and Comprehensive Programs

> **Once-through cooling**    > **Closed systems**    > **Open systems**

Scale deposits, corrosion, fouling and biological proliferation can cause system downtime, reduction in equipment efficiency, shorter equipment life cycles and can increase employee exposure to pathogenic micro-organisms. In addition to supplying customized water treatment additives, equipment and controllers, Veolia Water Technologies offers a complete range of cooling water services to ensure reliable operation of all your cooling water installations.

*Hydrex product line offers a series of high performance chemical formulations for the treatment of open and closed cooling systems.*

### **HYDREX™ 2000 SERIES**

- Scale inhibitors: phosphorus and non-phosphorus based products, customized dispersants and high performance polymers
- Corrosion inhibitors: anodic, cathodic, and organic for multi-metal systems
- Advanced technology biodispersants
- Cooling tower cleaning agents

### **HYDREX™ 7000 SERIES**

- Oxidizing and non-oxidizing biocides for biological control including Legionella bacteria

### **A total solution**

**Veolia's industrial water treatment specialists can provide you with:**

- Sidestream filtration technologies from multimedia filters to membranes
- Chemical feed and control systems
- Optional control cycles and chemical levels for your cooling systems

**Industrial cooling is one of the most widely used industrial processes and requires large volumes of water. Veolia develops efficient water reuse solutions to minimize cooling make-up water.**



# A Global Packaged Offering for Cooling Water Treatment

- > Enhancing / restoring efficiency of cooling water systems
- > Maintaining cooling water systems integrity
- > Ensuring safe and cost-effective operation



## Legionella Control

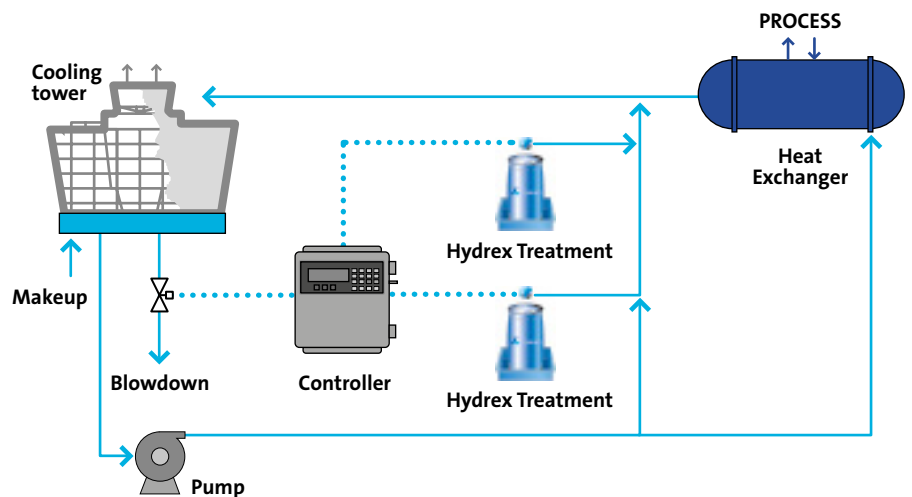
Hydrex provides the Legionella program to secure your facility and process: methodical analysis of risks, revamping of cooling water systems in accordance with regulation, analytical survey, technical assistance, cleaning of cooling towers and circuits, training, preventive treatment, extensive research & development programs.

## An example of a cost-effective program

### Cooling tower system:

- Make-up water is untreated surface water, Ryznar Index 6
- Fouling of the packing had been observed after a few years of operation
- The client had to decrease temperature of the circuit to avoid fouling
- Production losses were a persistent problem
- With Hydrex additives and a Veolia service program, the annual cost of treatment now represents only 10% of the previous loss of production per year

## Cooling Treatment Program



## Hydrex is available worldwide

Contact your local Veolia representative for more information.