

Changing the way we manage water. For good.



The DeCalon™ (DCI)

The DeCalon™ with Catagreen™ provides an effective solution to scaling, corrosion and biological risks in HVAC systems and industrial chiller circuits.

Electro-chemistry is a well-proven approach to managing scale and corrosion in cooling water systems. The DCI electrolysis cell removes existing scale and prevents further deposits. Calcium carbonate (CaCO₃) and magnesium hydroxide (Mg(OH)₂) are precipitated at the cathode and bled away from the recirculating cooling water. Silica (SiO₂) is also removed.

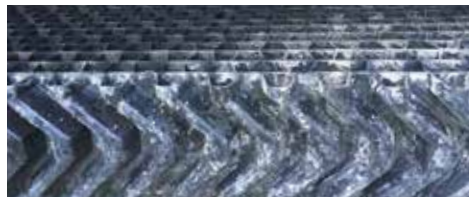
DCI is unique in its ability to remove scale and reduce corrosion. Automated management of pH, conductivity and dissolved oxygen reduces corrosion rates to less than a third of that experienced with chemical-based water treatment.

Biological control is maintained by Catagreen™, an antimicrobial module that inhibits cellular fission and disrupts microbe processes at the cell wall.

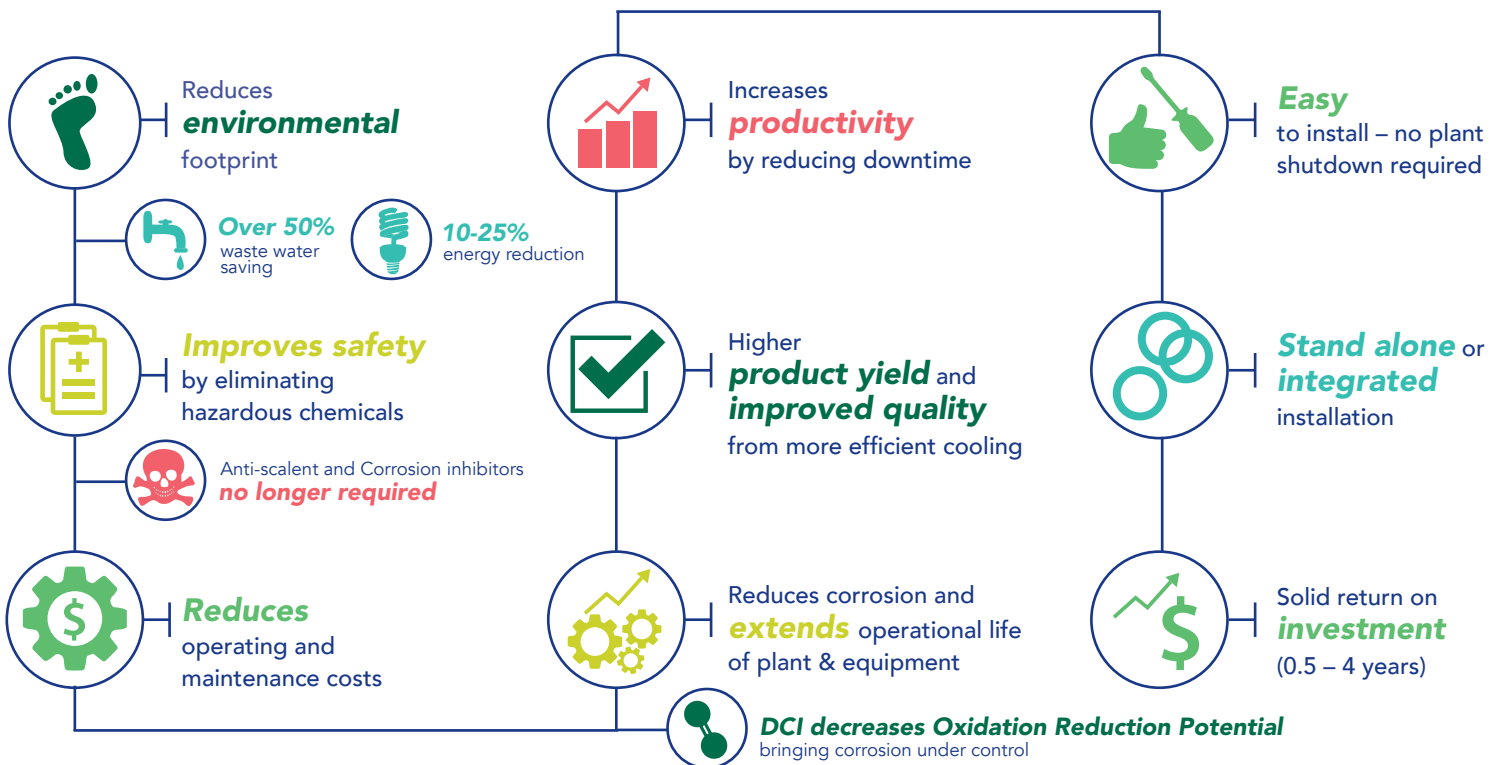
Before



After



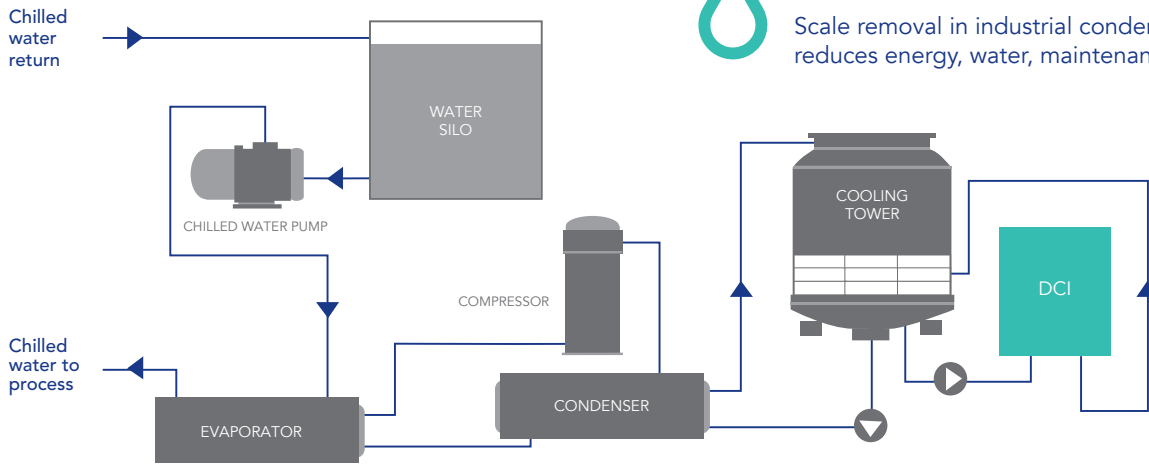
The DCI system is green chemistry in action and delivers significant benefits





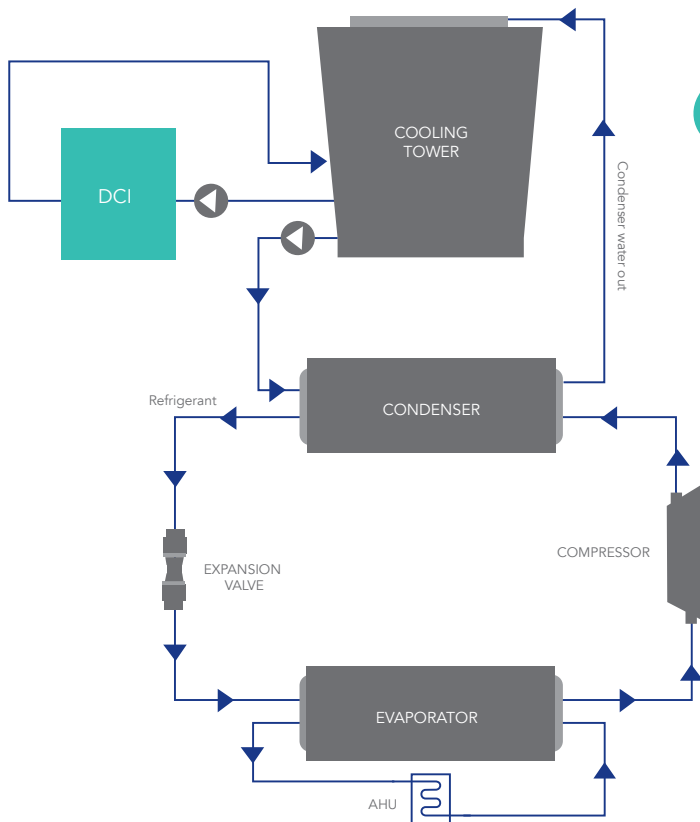
Industrial Chiller

Scale removal in industrial condensers and cooling towers reduces energy, water, maintenance and chemical costs.



Water Cooled HVAC Systems

A significant improvement in heat transfer and lower condenser approach temperatures leading to increased chiller efficiency.



Easy to use automation

- + Automated mineral scale removal
- + Automated conductivity control
- + Comms interface tailored to customer needs



General Specifications

Dimension (mm) - overall	W=700 D=380 H=1200
Weight	~50kg
Max Power Consumption	~600W
Max Operating Amp (DC)	15 A
Max Flow	2.25m ³ /h
Operating Pressure	1 bar
Input Power Source	Single Phase AC 240V, 50Hz

Specifications subject to change without notice.

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