CSN

CSN is a large Brazilian steel group that prioritizes the rational use of natural resources, including proper management of water. To achieve greater environmental and financial results, CSN partnered with Ecolab to address recurring premature burning on hot blast valves from one of its blast furnaces. Leveraging our 3D TRASAR™ Technology program and Tagged High Stress Polymer technology, CSN reduced fouling and scale in its critical process cooling.

71 million gallons of water savings

$900,000 total savings

(2014 savings)

SHA STEEL

Faced with rising electricity costs and increased demand, Chinese steel producer Sha Steel sought to reduce costs and save water and energy. Ecolab employed a suite of solutions, including our 3D TRASAR™ Technology Scale Index to monitor, control and optimize Sha Steel's critical process cooling system efficiency.

Results achieved in one year:

37 million gallons
of water saved

8.1 million kWh
of electricity saved

55,950 metric tons
of CO_2e avoided

Saved $1.1 million

For more information about sustainability at Ecolab, please visit ecolab.com/sustainability.

ECOLAB®