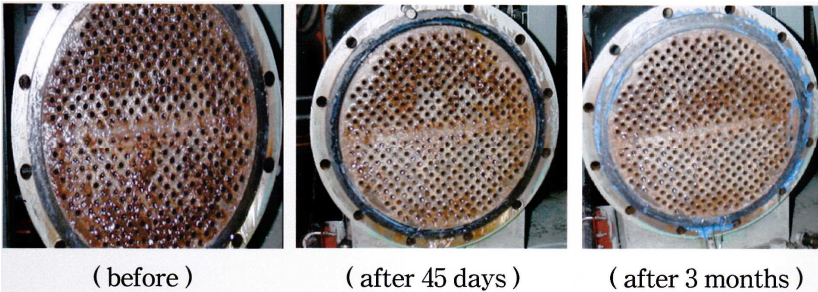


## C A S E S T U D Y

### Posco Heavy Industries

Po Hang Si, Kyung-Sang Buk-Do, South Korea

#### OVERVIEW



Posco is a multi-national steel manufacturing company for industrial applications with an output of over 35 million tons of crude steel, one of the 4 largest steelmakers in the world!



#### WATER SYSTEM CHALLENGES

Scale formations within the heat exchangers of the furnace cooling systems had caused multi maintenance-related production stops. Every 4 months every heat exchanger in the plant was opened, scale was removed using high pressured water as well as brushes.

#### SOLUTION

In August 2000, ScaleBuster SB50 conditioners were installed in the heat exchangers loops.

#### RESULTS

Following the initial installation, the heat exchangers were checked for scale. Within the first 6 months (checked every 45 days) the existing scale in the systems was dissolved, no new formation was found. The cooling systems are operated scale-free without the required scheduled maintenance production stops.

#### ABOUT THE TECHNOLOGY

The patented **ScaleBuster**<sup>®</sup> technology completely replaces traditional chemical treatment; providing control of scale and corrosion in various water process systems to create an exceptionally clean system. This dramatically reduces energy and water consumption, while reducing or, in certain cases, eliminating toxic water discharge to the environment.