

## C A S E S T U D Y

### Wacker-Chemie, Burghausen, Bavaria, Germany



#### OVERVIEW

Germany's biggest silicone chips manufacturer with more than 10,000 employees. 50% of the computer processors **worldwide** are produced with Wacker-Chemie Silicone / Silicates.

#### WATER SYSTEM CHALLENGES

River water with high calcium carbonate content, causing scaling problems in all kind of technical facilities. Wacker-Chemie uses river water for cooling in their manufacturing processes. Due to production limitation during the maintenance periods, the Plant Engineering Manager started looking for technologies which could reduce downtime and increase efficiency of the heat exchangers.

#### SOLUTION

Since 1997, Wacker-Chemie's engineers had installed numerous **ScaleBuster®** conditioners right before the heat exchangers or downstream from the pumps to protect the heat exchangers, pumps and other pieces of equipment in the processes.

#### RESULTS

Following the first installation of the **ScaleBuster®** conditioners, with close monitoring of the water systems, the engineers had confirmed that they could prolong the maintenance intervals (approximately factor 4-6). The **ScaleBuster®** solution was chosen to be implemented for all Wacker-Chemie cooling systems.

#### ABOUT THE TECHNOLOGY

The patented **ScaleBuster®** 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.