

C A S E S T U D Y

Kwangyang City, South Korea

additional installation

extension of application according to clear evidence of effects



additional installation(April 27 2007)



additional installation(July 13 2007)



Installing Scale-Buster/



confirming installment sites

OVERVIEW

City engineers wanted to stop corrosion (rust) and scale build-up which shorten pipe life.

WATER SYSTEM CHALLENGES

Water is supplied to every house and building around the city through a network of pipes that are sometimes 30 to 40 years old (or even older, in some places). These pipes are corroded with significant rust and calcification internally, resulting in obstructed water flow throughout the pipe network. Under these conditions, expensive repairs or even replacement became necessary on a regular basis.

SOLUTION

ScaleBuster® water conditioners were installed not only to cut costs by prolonging pipe life without replacing old water network with new pipes, but also to prevent rust and scale.



before the installation
(October 17, 2002)



3 years after the installation
(October 26, 2005)



5 years after the installation
(October 4, 2007)

RESULTS

In Feb. 2004, 16 months after installation of the ScaleBuster® conditioners, city engineers confirmed that pre-existing scale and rust fell to a lower level observed in years, revealing the pipe floor.

More ScaleBuster® conditioners were installed in various locations (2007-2009).

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.