

## C A S E   S T U D Y

### **ThyssenKrupp Residential Real Estate Group Germany**



#### **OVERVIEW**

ThyssenKrupp, a German industry leader in residential property management, managed 48,000 apartments and had a market worth of \$2.9 billion Euro when it was sold in late 2004.

#### **WATER SYSTEM CHALLENGES**

Originally, water was fed to every housing unit through pipes that were 30 to 40 years old. These pipes were 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. Due to the domestic and potable use of the water in the pipes, using chemicals for cleaning and maintenance was impossible.

In addition, experiments with magnetic water conditioners proved unsuccessful.

#### **SOLUTION**

Initially, **ScaleBusters** were installed in 15 units of an apartment complex. Prior to the installation, residents were interviewed on the current condition of the pipes and water quality.



#### **RESULTS**

Resident interviews conducted 12 -18 months following installation indicated that after only a few weeks of use with the **ScaleBuster**, the water was visibly clearer and no longer “brown” or “red”. There was significantly less calcification inside the pipes in less than half a year, improving water flow throughout the building.

Following the positive results of this application, both the managers and residents of the living complex were convinced of the **ScaleBuster** solution, prompting the company to purchase 800 more **ScaleBuster** units, an investment of over \$1.7 million Euro.

#### **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.