



## C A S E S T U D Y

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**Testimony:** "By March 1992, following the initial practical trial, 7 other buildings were equipped with **ScaleBuster®** conditioners. In the canteen building the softener was replaced by a **ScaleBuster®** for the dishwasher, and all washed dishes are clean and shiny."

### OVERVIEW, WATER SYSTEM CHALLENGES

There are 2 main water supply goes into 11 buildings of the factory with annual consumption of about 40,000m<sup>3</sup>.

Until recent, attempts were made to treat the water chemically against corrosion and scale. The water boilers had to be cleaned (with ordinary descaler) on regular intervals. Parts of the sanitary fittings had to be constantly replaced by maintenance personnel.

### SOLUTION

In May 1991, following a market research, a 2-1/2" **ION ScaleBuster®** SB65-16E was installed in the water inlet to one building for a 6 months trial. The following were to be inspected regularly:

1. 2,000L main water heater in the transfer station
2. Cloakroom and rest area in the northern section of the building (45m distance, a 60L water heater)
3. Cloakroom and rest area in the southern section of the building (180m distance, a 60L water heater)

### RESULTS

After 3 months in July 1991, the 1<sup>ST</sup> inspection was done followed by a 2<sup>ND</sup> one in October 1991.

1. The 2,000L water heater tank was opened. Lime scale deposits had dissolved from the heating elements and collected on tank bottom. The 2<sup>ND</sup> examination showed that no new deposits had formed and the heating element was clean.
2. In the beginning of the test period **no** fittings were replaced **nor** cleaned and **all maintenance activity was stopped** for the test period. Opening the 60L tank in October 1991 showed that pre-existing lime scale rings had dissolved and the deposits were collected on the tank's bottom.
3. In the beginning of the test period **all** corroded fittings were replaced or renewed but **all maintenance activity was stopped**. Opening the 60L tank for monthly checks showed no new deposits formation. No repair or cleaning were required throughout the test period.

By March 1992, **7 buildings were equipped with ScaleBuster® conditioners.**

### 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.