

C A S E S T U D Y

Subsidised Social Public Housing



OVERVIEW

Following a public tender in 2005 for social housing, **ION ScaleBuster®** water conditioner was chosen for a pilot as the water treatment required to solve corrosion and scaling problems for all buildings in the headquarters of the CPAM (Caisse Primaire d'Assurance Maladie).

WATER SYSTEM CHALLENGES

According to the public tender, apart from proven scale and corrosion prevention, the selected technology must provide the required potable water certification. The Certificate of Conformity Sanitaire (ACS) is issued by a laboratory approved by the Directorate General of Health (DGS). It has become mandatory in France since December 2006 and provides an assurance of compliance with potable water in France, similar to other certificates by similar bodies in other countries (as WRAS in the UK or European GS-TÜV). **ION ScaleBuster®** technology is certified by WRAS, GS-TÜV and ACS.

SOLUTION

A **ScaleBuster®** conditioner was installed on the main cold water inlet located in the basement of Building C (galvanized steel piping). The equipment deals with annual water consumption of about 4,000 m³. A strict monitoring protocol has been set up in collaboration with the CPAM for the entire life of the equipment.

RESULTS

After over a year, the results were so conclusive that the CPAM had ordered ScaleBuster® water conditioning technology for all of their other buildings. The ScaleBuster® technology was chosen by CPAM as it is a physical water conditioning device - chemical free, salt free, requires no power nor maintenance, as a step towards High Environmental Quality (HQE).

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.

* The **Certificate of Conformity Sanitaire (ACS)** is issued by a laboratory approved by the **Directorate General of Health (DGS)**. It has become mandatory since December 2006 and provides an assurance of compliance with potable water in France, similar to other certificates by similar bodies in other countries (as **WRAS** in the UK or European **GS-TÜV**).