

## C A S E S T U D Y

### Hôpital d'instruction des armées de Sainte-Anne (St. Anne Hospital, Toulon France)



#### OVERVIEW

In 2004, DTM (Direction des Travaux Maritimes under the French Ministry of Defense) started the construction of the new St. Anne's hospital in Toulon in the south of France. The project budget was 230 million Euros, of which 30 million for equipment. The hospital will have a capacity of 352 beds with 9 operating theatres and a total area of 60,000m<sup>2</sup>. Breaking ground was in July 2007.

#### WATER SYSTEM CHALLENGES

The operations manager (with SETEC engineering firm and CTA/ACS laboratories) wanted to treat the water used in the hospital in a safe way while maintaining operations cost as low as possible.

#### SOLUTION

The solution put in place on St. Anne's hospital provides a variety of treatments to meet the requirements of the customer and the authorities (EFG). The entire hot water recirculation system runs the water constantly through five **ScaleBuster** SB65 (installed in a manifold) with a combined treatment

capacity of over 100 m<sup>3</sup>/h. The **ScaleBuster** units are also combined with other technologies as Chlorine injection, filtration and softening, as required by the design for 9 water systems within the hospital.

#### RESULTS

The hospital operation team as well as the SETEC engineering firm and CTA/ACS who was appointed to monitor the results are satisfied with the performance of the **ScaleBuster** water conditioning technology.

#### 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**, North American **WQA** – testing for NSF/ANSI).