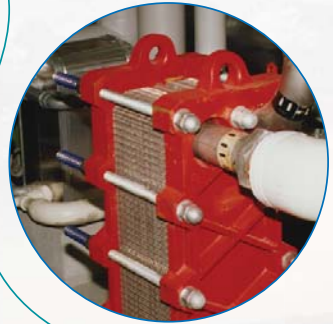




## Practical examples

### Heating and cooling systems:

The accumulated layers of lime deposits on heating elements, in cooling circuits, heat exchangers and boilers are eliminated and their formation prevented. This allows a significant reduction in energy use and better maintenance intervals.



### Protection of installations that have flowing water:

All installations that contain water flow like pipes, fittings or machines need a lot less maintenance and less aggressive cleaning products. This increases the life expectancy of the equipment and protects capital investment.

### Optimisation of cleaning procedures:

Savings in cleaning products of up to 50% have been repeatedly observed. The problem of lime stains on surfaces is eliminated, an advantage in the washing of vehicles, technical installations and other products.



*Lime stone on a heat exchanger*



*Lime stone after the treatment*



## Happy customers...

« the system means only half the amount of cleaning »

When cleaning with a foam gun and a self-foaming cleaning product we were able to half the amount recommended by the manufacturer... the rinse is much more efficient and faster.

Agrotec, Agen, France, M.Baccaunaud

« ... we do not need to clean the heat exchangers anymore »

On our hot water installation, our heat exchanger needed regular descaling every 3 to 6 months and we needed to dismount and clean the system each time. Since the installation of the Aqua-4D® system we do not need to clean or descale the heat exchanger anymore.

Vallait, Sierre, Switzerland, De Luca



## Advantages in industrial applications

### Protection from corrosion, lime deposits and biofilm

Aqua-4D® modifies the crystal structure of calcium carbonate. It prevents new deposits forming and enables removal of existing scale. The passivation of the internal surfaces protects from corrosion. The biofilm is detached and new formation is inhibited. The combined effect (anti scale, anti corrosion and anti biofilm) enables prevention of bacteria development.

### Savings in energy and maintenance

The installations, pipes and heating elements are efficiently protected from scale formation and corrosion. Energy use is greatly reduced. Minimising maintenance means increased productivity and protecting capital investment.

### Savings in chemical products

Significant savings in cleaning products, acids and other products are being achieved, due to the improvement of the physical water structure. Reducing the dosage of these products also favourably effects waste water treatment processes