

# Water Solutions for Business



## WELCOME TO CALMAG

Calmag is one of the largest independent manufacturers of water conditioning products in Europe, offering solutions to practically every water related need for the home and industry.

The Calmag product range includes scale inhibitors, water softeners, water filters, ultra violet disinfection, reverse osmosis, pH correction, nitrate removal, iron removal, water chillers, calcium treatment, chemical inhibitors and cleaners.



## Product Focus...

### Calmag Electromag

Electromag is an electromagnetic scale inhibitor, providing industry with a low cost solution to preventing hard limescale build up. This innovative product which not only protects appliances from future limescale build up, but will also breakdown existing limescale to further enhance heat transfer efficiency. ElectroMag ensures limescale is controlled in applications where a softener is not viable.

<http://www.calmagltd.com/electromag>



### Also from Calmag...

Scale Inhibitors  
Water Softening  
Water Filtration  
Water Chillers  
UV Disinfection  
Reverse Osmosis

Find out more our full range of water softening products, call us now 01535 210 320.

Visit [www.calmagltd.com](http://www.calmagltd.com)



WATER SOLUTIONS FOR BUSINESS

# Case Studies



## SOLUTIONS FOR BUSINESS USING THE CALMAG ELECTROMAG WATER CONDITIONER

### Customer

Quartzelec, Coton Park, Rugby  
Ambivent Mechanical Services

### Installation

E42 Electromag water conditioner



### Application

95000 sq ft manufacturing facility

### Problem

Ambivent Mechanical Services were appointed to design and build the heating system via radiators, ventilation, hot and cold water services, drainage, and sanitaryware complete with a controls system.

### Resolution

After the specification and installation of the Calmag Electromag unit on a previous project with Ambivent, an E42 unit was selected as the most optimum product based on the technology and cost to protect the hot water heating system from limescale formation.



Value Engineering (VE) is a conscious and explicit set of disciplined procedures designed to seek out optimum value for both initial and long-term investment. VE is not a design/peer review or a cost-cutting exercise. It is a creative, organized effort, which analyses the requirements of a project for the purpose of achieving the essential functions at the lowest cost (capital, staffing, energy, maintenance) over the life of the project.

### Customer

Duston Sports Complex, Northampton  
Ambivent Mechanical Services

### Installation

E200 Electromag water conditioner



### Application

Sports and Leisure Complex

### Problem

This Ambivent project was to re-model an existing fire damaged sports and leisure complex which included the design and build of LPHW heating via radiators, fan convectors and unit heaters, ventilation, air conditioning, hot and cold water services, drainage, and sanitaryware with an automatic control system.

### Resolution

After the specification and installation of the Calmag Electromag unit on a previous project with Ambivent, an E200 unit was selected as the most optimum product based on the technology and cost to protect the hot water heating system from limescale formation.



Value Engineering (VE) is a conscious and explicit set of disciplined procedures designed to seek out optimum value for both initial and long-term investment. VE is not a design/peer review or a cost-cutting exercise. It is a creative, organized effort, which analyses the requirements of a project for the purpose of achieving the essential functions at the lowest cost (capital, staffing, energy, maintenance) over the life of the project.

FIND OUT MORE ABOUT THE CALMAG RANGE...

**Telephone** 01535 210320

**Email** [info@calmagltd.co.uk](mailto:info@calmagltd.co.uk)

**Website** [www.calmagltd.com](http://www.calmagltd.com)

Units 3-6 | Crown Works | Bradford Road  
Sandbeds | Keighley | West Yorkshire | BD20 5LN



Certificate No. 5791



# Case Studies



## SOLUTIONS FOR BUSINESS USING THE CALMAG ELECTROMAG WATER CONDITIONER

### Customer

Shotover Care Home, Oxfordshire  
Keyplan Engineering

### Installation

E250 Electromag water conditioner



### Application

51 one and two bedroom care apartments.

### Problem

Keyplan Engineering were appointed to provide the design and build of the entire heating system on site.

### Resolution

Calmag's E250 Electromag was selected to protect the hot water heating system from limescale formation in preference to other technologies, due to the Value Engineering benefits that were provided within the design stage.



Value Engineering (VE) is a conscious and explicit set of disciplined procedures designed to seek out optimum value for both initial and long-term investment. VE is not a design/peer review or a cost-cutting exercise. It is a creative, organized effort, which analyses the requirements of a project for the purpose of achieving the essential functions at the lowest cost (capital, staffing, energy, maintenance) over the life of the project.

### Customer

Chippenham Golf Club, Chippenham, Wiltshire  
Keyplan Engineering

### Installation

E35 Electromag water conditioner



### Application

Golf Clubhouse.

### Problem

This Keyplan project was to Design & Build a cost effective heating system at a new golf club. This included the design and build of LPHW heating via radiators, fan convectors and unit heaters, ventilation, air conditioning, hot and cold water services, drainage, sanitaryware and an automatic control system.

### Resolution

Calmag's E35 Electromag was selected to protect the hot water heating system from limescale formation in preference to other technologies, due to the Value Engineering benefits that were provided within the design stage.



Value Engineering (VE) is a conscious and explicit set of disciplined procedures designed to seek out optimum value for both initial and long-term investment. VE is not a design/peer review or a cost-cutting exercise. It is a creative, organized effort, which analyses the requirements of a project for the purpose of achieving the essential functions at the lowest cost (capital, staffing, energy, maintenance) over the life of the project.



Certificate No. 5791



FIND OUT MORE ABOUT THE CALMAG RANGE...

**Telephone** 01535 210320

**Email** [info@calmagltd.co.uk](mailto:info@calmagltd.co.uk)

**Website** [www.calmagltd.com](http://www.calmagltd.com)

Units 3-6 | Crown Works | Bradford Road  
Sandbeds | Keighley | West Yorkshire | BD20 5LN

| WATER SOLUTIONS FOR BUSINESS

## SOLUTIONS FOR BUSINESS USING THE CALMAG ELECTROMAG WATER CONDITIONERS

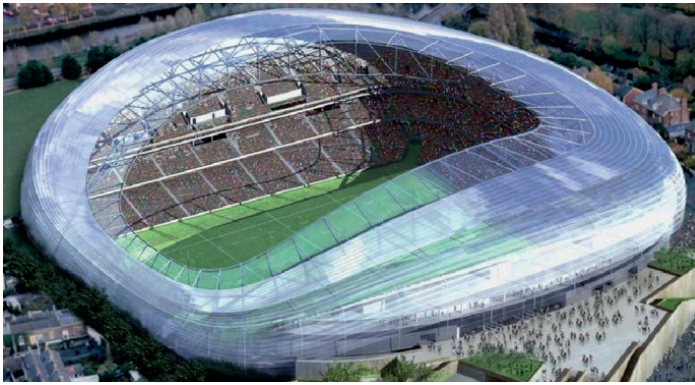
### LIMESCALE CONTROL IN NEW STADIUM

#### Customer

Mercury Engineering & AH Cullen  
Aviva Stadium, Dublin, Ireland

#### Installation

2 x E400 Electromag Water Conditioners



#### Application

51,700 all seat sporting arena.

#### Problem

AH Cullen was tasked with providing a full water treatment works for the stadium including the prevention of limescale build up within the stadium's mains water supply.

#### Resolution

Calmag's Electromag was chosen to provide lime scale protection in order to fulfill the consultant's design brief.

Calmag's Electromag was chosen due to it suiting the design, whilst saving the client in excess of £18,000.

### ELECTROMAG AT POLICE STATION

#### Customer

Balfour Beatty Building Services BBESL  
Harrogate Police Station  
Harrogate, North Yorkshire

#### Installation

E200 Electromag Water Conditioners



#### Application

D&B BREEM standard, state of the art 16 cell Police Station.

#### Problem

To ensure BREEM rating within the heating systems a scale reduction unit was installed despite hard water not being an issue within the area.

#### Resolution

Balfour Beatty specified a Calmag Electromag to ensure that lime scale build up doesn't form throughout the £11.7M development.

The installation of E200 Electromag Water Conditioners produced project savings of £2,500.



Certificate No. 5791



### FIND OUT MORE ABOUT ELECTROMAG...

**Telephone** 01535 210320

**Email** [info@calmagltd.co.uk](mailto:info@calmagltd.co.uk)

**Website** [www.calmagltd.com](http://www.calmagltd.com)

Riverview Buildings | Bradford Road  
Riddlesden | Keighley | West Yorkshire | BD20 5JH

# Case Studies



## SOLUTIONS USING CALMAG ELECTROMAG WATER CONDITIONERS

### PREVENTING SCALE BUILD UP AT UNIVERSITY SPORTS CENTRE

#### Customer

University of Bedfordshire Sports Pavilion.

#### Installation

Electromag E28 Physical Water Conditioner.



#### Application

Sports facilities for Bedfordshire University.

#### Problem

Reduce Scale build up in the showers and provide suitable drinking water from on site.

#### Resolution

Calmag supplied an Electromag E28 which ensured a reduction in the scale build up in the pipes supplying the shower facilities and provided the Pavilion with 'fit to drink' water.

Electromag Physical Water Conditioners.  
Provide protection against scale build up.

### SCALE PROTECTION FOR HEALTH AND FITNESS SUITE

#### Customer

Ash Manor School Sports Centre.

#### Installation

Electromag E28 Physical Water Conditioner.



#### Application

New sports fitness suite.

#### Problem

Provide scale protection for the new heating systems serving the shower facilities in the changing rooms.

#### Resolution

Installation of an Electromag E28 provided scale protection to the systems pipes and ensures the efficiency of the shower system

Ensuring system efficiency and protection  
against scale build up.



ISO 9001  
Certificate No. 5791



### FIND OUT MORE ABOUT ELECTROMAG...

**Telephone** 01535 210320

**Email** [info@calmagltd.co.uk](mailto:info@calmagltd.co.uk)

**Website** [www.calmagltd.com](http://www.calmagltd.com)

Riverview Buildings | Bradford Road  
Riddlesden | Keighley | West Yorkshire | BD20 5JH

# Case Studies



## SOLUTIONS USING CALMAG ELECTROMAG WATER CONDITIONERS

### PREVENTING SCALE BUILD UP IN SCHOOLS

#### Customer

Wapping High School.

#### Installation

Electromag E150 Physical Water Conditioner.



#### Application

Pipe system serving the school kitchens and changing facilities.

#### Problem

Protect and reduce the amount of scale build up in the changing facilities pipe system and to provide drinkable water supply in the school kitchen

#### Resolution

Installation of the Electromag ensured that the water in the school kitchen is fit for human consumption and increases the lifespan of the shower facilities by decreasing the buildup of lime scale.

Electromag Water Conditioners supply safe, drinkable water straight from the tap.

### PREVENTING SCALE BUILD UP IN SCHOOLS

#### Customer

The Weatheralls Primary School.

#### Installation

Electromag E200 Physical Water Conditioner.



#### Application

Heating and kitchen pipe system.

#### Problem

To supply drinkable water to staff and students as well as preventing scale build up in the pipe systems supplying the kitchens

#### Resolution

The Electromag safeguarded the tap water and made sure it was fit for students and staff to drink. It also provided lime scale protection for the kitchen and heating appliances.



ISO 9001  
Certificate No. 5791



### FIND OUT MORE ABOUT ELECTROMAG...

**Telephone** 01535 210320

**Email** [info@calmagltd.co.uk](mailto:info@calmagltd.co.uk)

**Website** [www.calmagltd.com](http://www.calmagltd.com)

Riverview Buildings | Bradford Road  
Riddlesden | Keighley | West Yorkshire | BD20 5JH