

CLEAR  
WATER  
REVIVAL

NATURAL SWIMMING POOLS



CRYSTAL CLEAR, NATURAL  
AND BEAUTIFULLY DESIGNED.

EXPERIENCE THE FEELING  
OF MINERAL WATER SWIMMING.



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*"The pool is stunning! Of all the changes and renovations to our home and garden, installing a CWR natural swimming pool has been the amongst best of them. It's a fantastic feature and we love the feel of the natural water – we use it all the time for fitness and fun and I'm sure if we'd gone with a chemical pool we wouldn't use it half as much. CWR engineers are polite and keen with a great level of responsiveness – they really do care about their customers."*

Kate Winslet



### CHEMICAL-FREE BASEMENT POOL

Basement pools are an exceptional addition to a high-end home. This luxury pool has a luxury filtration system to match. The soft chemical-free water produces no nasty chlorine smells which helps maintain excellent air quality throughout the house.

## INTRODUCTION

Clear Water Revival specialise in Chemical-free pools that beautifully complement your home or garden.

Our filtration technology is the premium alternative to old-style chemical pools.

Developed in-house by our team of research scientists and engineers, the ClearSpring system provides an unrivalled swimming experience and can be utilised for indoor, outdoor or renovation projects.

### **Our Technology**

Our system is the only like-for-like, chemical-free alternative to outdated chlorine systems on the market as the technology is packaged into a biofilter that can be installed in any standard swimming pool plant room.

Unlike other natural filtration methods which rely on organic planted filter beds and can't be installed indoors, our system doesn't require any organic plants at all giving you complete design flexibility.

### **Your experience**

Your swimming experience is critical to us and, with no sharp smells, no daily testing and no horrible taste, your pool will look better and feel better.

The system creates a luxury environment that is easy and cost-effective to maintain; eliminating unpleasant chemicals from your home or garden.

## OUR FILTRATION SYSTEM

10 years of research has gone into developing the ClearSpring filter. Our aim was to create a chlorine-free system which would be practical, easy to maintain and applicable to any swimming pool. This has been achieved and clients all over the UK and parts of Europe now enjoy the feeling of swimming in mineral water.

Researched, designed and built in the UK ClearSpring can be utilised in any pool build scenario. Planting is no longer a requirement for clear, fresh, mineralized swimming in your home which makes the technology fully flexible for any pool project

Previously, natural swimming pools were organic, pond-like bodies of water in which aquatic planted zones did all of the filtration. This can be appealing for those looking for a wild, free-form look however for those looking for a formal, contemporary swimming pool or an indoor pool it isn't an option.

As our pools don't require planted zones, these constraints are eliminated.

Our system allows pools to be:

- Built indoors or outdoors
- Heated up to 32 degrees
- Covered
- Any size, shape or style

For clients who desire planted areas we often incorporate them into pool designs for aesthetic purposes to help pools blend seamlessly into a landscape design.



### FORMAL LUXURY

Set within the grounds of a striking country estate, this chemical-free pool mirrors its period surroundings. The slate tiles interact with the sunlight to create a perfect, subtle water colour.



**INTELLIGENT DESIGN**

This pool has been designed to maximise space and efficiency. It's sliding deck cover allows the owners to make use of the whole area for entertaining when the pool isn't in use. The insulated panel build method is installed quickly and boasts unparalleled heat retention.

**HOW IT WORKS**

Keeping a pool clean and clear involves the continual removal of nutrients from the water. Nutrients such as phosphorus and nitrogen enter the water from the outside environment and are a food source for algae and pathogens. Our system works by removing these nutrients from pool water so that there is nothing for algae to feed on.



**BIOFILTER STAGE**

Our biofilter is specially designed to cultivate bio-organisms which feed on nutrients in the pool water. As the water flows through the filter, the nutrient content is stripped away. This leaves nothing for algae to feed on so it cannot grow in the pool.

**MINERAL FILTER STAGE**

Once the water has passed through the biofilter, a mineral filter takes out any left over nutrients that were not taken out by the biofilter. This is generally only needed if the pool experiences a sudden influx of nutrients.

**FINISHING STAGE**

Once the water is stripped of nutrient content it is pH balanced and returned to the pool feeling soft, pure and refined for the most refreshing and luxurious swimming experience.

**Free from chemicals and freed from plants**

ClearSpring technology gives you complete control of your pool design style. Planting is no longer a requirement for clear, fresh, mineralized swimming in your home which makes CWR's technology fully flexible for any pool project.

**System monitor – Clarity**

Clarity (TM), our internet enabled monitoring system, covers every aspect of your filtration system for total peace of mind. It puts you in control by providing alerts via text or email in the event of performance fluctuations.

It can be set to alert multiple people, and in each case outlines the issue and the steps needed to solve it.

For added security CWR's central server also monitors your pool 24 hours a day.

Clarity monitors the following elements:

- Water flow rates
- Filter and system pressures
- Water temperature
- Water top usage
- Pump health
- System consumable





## NATURAL SWIMMING BROUGHT INDOORS

This chemical-free indoor pool is the first of its kind in the UK. Mineral water swimming is now possible in any indoor project thanks to ClearSpring filtration.

## INDOOR POOLS

Clear Water Revival's technology transports natural swimming inside your home. Economic to run and easy to care for, ClearSpring provides clean, fresh mineralised water for the most luxurious indoor swimming experience possible.

Free from all chemicals, odours and associated pollutants, home swimming becomes a true delight; without dry skin sore eyes or any of the chemical dosing required by other systems.

CWR created the first, heated, unplanted natural swimming pool in the world in 2011 and now our technology will banish chemicals from your homes, helping you achieve a new way to swim that is better for mind, body and spirit.

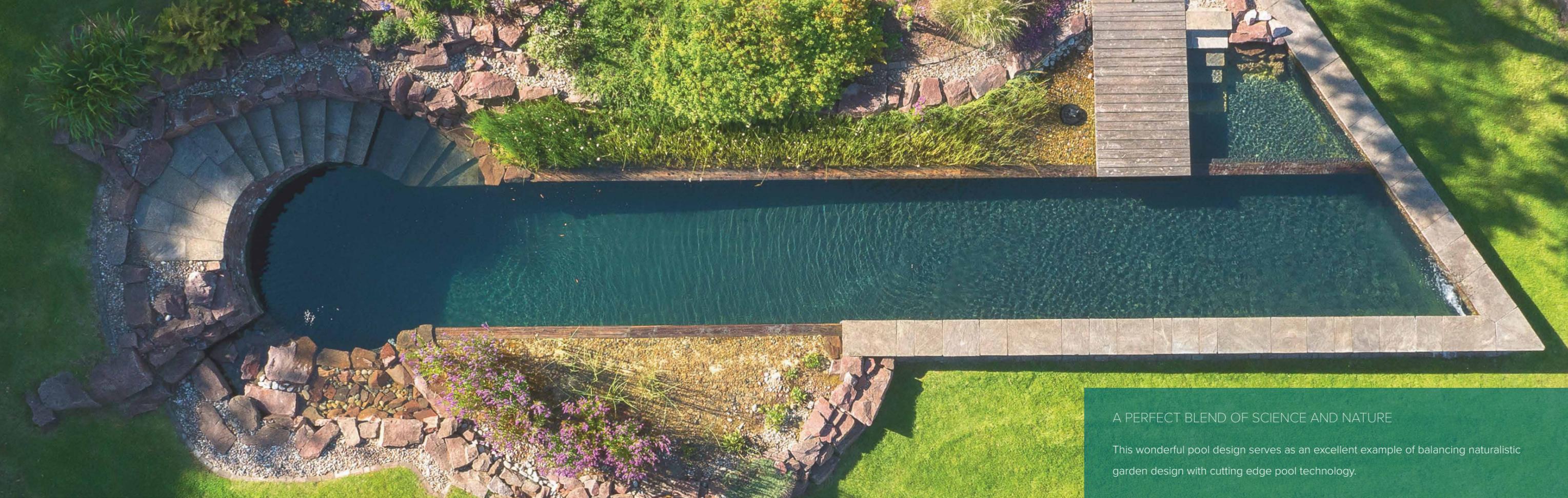
### ClearSpring can be used:

- Indoor basement pools
- Standard indoor ground level builds
- Conversions on existing indoor pools

### Indoor services offered:

- Pool shell design
- Air handling/ventilation system design
- Pipework and filtration design
- Filtration installation
- Tiling and tanking
- Pool hall aesthetic interior design





A PERFECT BLEND OF SCIENCE AND NATURE

This wonderful pool design serves as an excellent example of balancing naturalistic garden design with cutting edge pool technology.

We pride ourselves on offering practical advice throughout every stage of the design and build process to ensure your pool matches both your budget and personal tastes.

### OUTDOOR POOL TYPES

#### ClearSpring – unplanted

All pool filtration is done by the ClearSpring bio-filtration system which sits within a plant room. If your preference is a modern, or 'clean' feel this is the best option.

#### ClearSpring – planted

In a ClearSpring planted swimming pool you have the best of both worlds crisp clear modern natural filtration in plant room, plus stunning aesthetic addition of planting in specially constructed shelf beds. Planting is aesthetic and limited to 20% of the pools 'swim area'

#### ClearSpring – aesthetic

The aesthetic utilities hydrologically separate ponds skilfully blended to appear connected to the main pool. This approach gives the sense mother nature's touch but without her fingerprints.



## OUTDOOR POOLS

A truly special natural pool works practically for you and aesthetically in your garden environment. CWR have experience meticulously planning and designing pools to enhance any type of garden space. Modern chic or natural country style our filtration system can be easily applied to any form factor or pool style.



## SWIMMING PONDS

A magnificent addition to the landscape, swimming ponds will bring your garden to life with a diversity of birds, insects and aquatic animals, and use a perfectly engineered ecosystem to balance the water chemistry.

### FACTS

- Swimming ponds are 50% planted to 50% swimming area.
- They cannot be covered and will reach temperatures of up to 24C during the summer.
- Swimming ponds are cheaper to operate than swimming pools with minimal running costs.
- Swimming ponds are very low maintenance with no technical filter system and no cleaning effort required in the summer.

### OUR SYSTEM

Capped Substrate Technology (CST), combats the traditional problems caused by other planted filtration bed methods, and we believe it is the most effective swimming pond filtration system available.



### THE FULL NATURAL SWIMMING EXPERIENCE

Set on a hillside with stunning countryside views this swimming pond offers all the benefits of wild swimming. Our capped substrate technology is employed to produce crystal clear water whilst keeping maintenance to a minimum.

### Common swimming pond issues and how we avoid them

#### Channelling

Channelling occurs when water finds the shortest path or path of least resistance through an unevenly constructed bed of plant roots and gravel or technical substrates, thereby leaving other areas to become 'dead spots' of minimal or no flow. Our swimming pond system does not rely on active water filtration but rather the careful cultivation of plant life and the natural ecosystem to keep the water clean.

#### Uncontrolled build-up of organic material

Our swimming ponds are designed and built to ensure organic sediment or 'dirt', and its associated trapped nutrients, remain separated from the pool users and easily removed from the pool using cleaning equipment. This results in cleaner, clearer water as well as a far easier cleaning process.

Carbon supply and pH balancing: Water chemistry is passively controlled by the minerals in our substrate technology. For example the pH of the water is balanced and the plants are continually supplied with the carbon they require to photosynthesize and grow.





### A NEW LEASE OF LIFE

This pool has been transformed from a derelict shell into a fantastic natural pool with cutting-edge filtration technology. The owners can now make the most of the pool as well as its stunning setting.

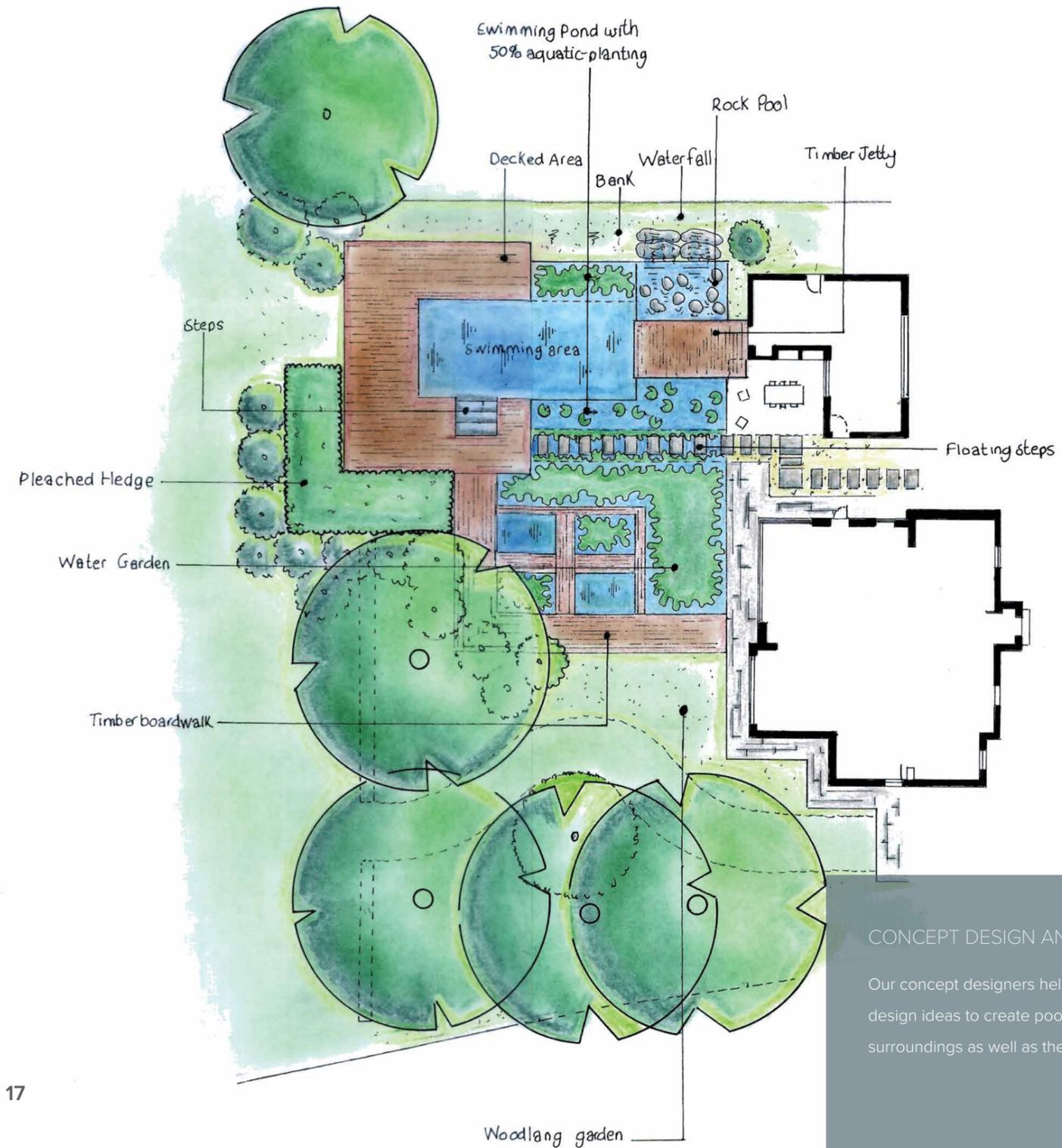


## REFURBISHMENT AND CONVERSION

CWR can breathe life into your tired chemical pool and save on running costs. If your existing pool filtration has broken down, is expensive to run, or you simply no longer want swim in a chemical bath ClearSpring can be easily retrofitted to existing pools.

- **Size:** ClearSpring fits most existing plant rooms, often without the need for any expensive structural alterations.
- **Plants:** No planted zone means our system is perfect for basements or low light environments. For outdoor pool projects the system can be installed with or without planting.
- **Efficiency:** Depending on your chosen system and pool type, Clearspring can generate significant lifetime savings compared with competitor low chlorine solutions. For example: Indoor pools savings are often in excess of £10,000.
- **Kinder:** The complete absence of chemicals and low-level chlorine gas is much better for users – natural filtration is kinder on your body, it doesn't dry your skin, sting your eyes, hurt your lungs or ruin your clothes.
- **Maintenance:** Save money, without the corrosive presence of chlorine, your pool's fixtures, fittings and rubberised seals will last longer and need replacing less often.





### CONCEPT DESIGN AND VISUALISATION

Our concept designers help you visualise your design ideas to create pools which enhance their surroundings as well as the lifestyles of their owners.

## DESIGN AND BUILD SERVICES

CWR offer a full range of out door natural pool design and build services. We are flexible and always work to accommodate the needs of every individual or project.

- Flexible project structure
- Bespoke luxury concept design
- Pool shell technical design
- Concrete/panel/block construction methods
- Pipework and filtration design
- Pool ground drainage design
- Filtration installation
- Tiling and tanking
- Heating and air handling solutions
- Cover design

### Concept Design

Not all pools require concept design but for customers looking to introduce an original, stunning visual element to their garden Clear Water Revival have the experience and passion to help.

Working with you, we will fine tune your swimming pool design to meet any budgetary, lifestyle and design requirements, making your dream pool a reality.

### Detailed Technical Design

For client pools that do not require concept design or once concept design is complete, we offer a full technical design service. This provides a full set of detailed technical drawings from which your natural swimming pool can be constructed. More information on the design process can be found in our Natural Pool Design Infographic.

### Construction

Clear Water Revival offer both turnkey full-build, or package supply-only project options. We regularly work with groundworkers and other build service suppliers all over the country and pride ourselves on having a complete understanding of pool construction materials and methods.



3D photo-realistic CAD visualisations (optional design service).

## COMMERCIAL SERVICES

Clear Water Revival collaborate with a wide variety of professionals across the construction and design industries including Architects, Landscape Architects, Designers, M&E consultants and even national institutions such as the RHS.

We offer the expert support you need delivering 12 years of pool design/build and water filtration experience to your project. Unlike any other natural filtration company, all our work is coupled with PhD level water science and engineering pedigree, and over £1 million of system R&D development.



### Flexible

Our unique filtration technology, offers the designer maximum flexibility – freed from planting, your project can be indoors, outdoors, planted or unplanted. Increasingly Clear Water Revival are being asked to support partners on major public or community natural pool projects.

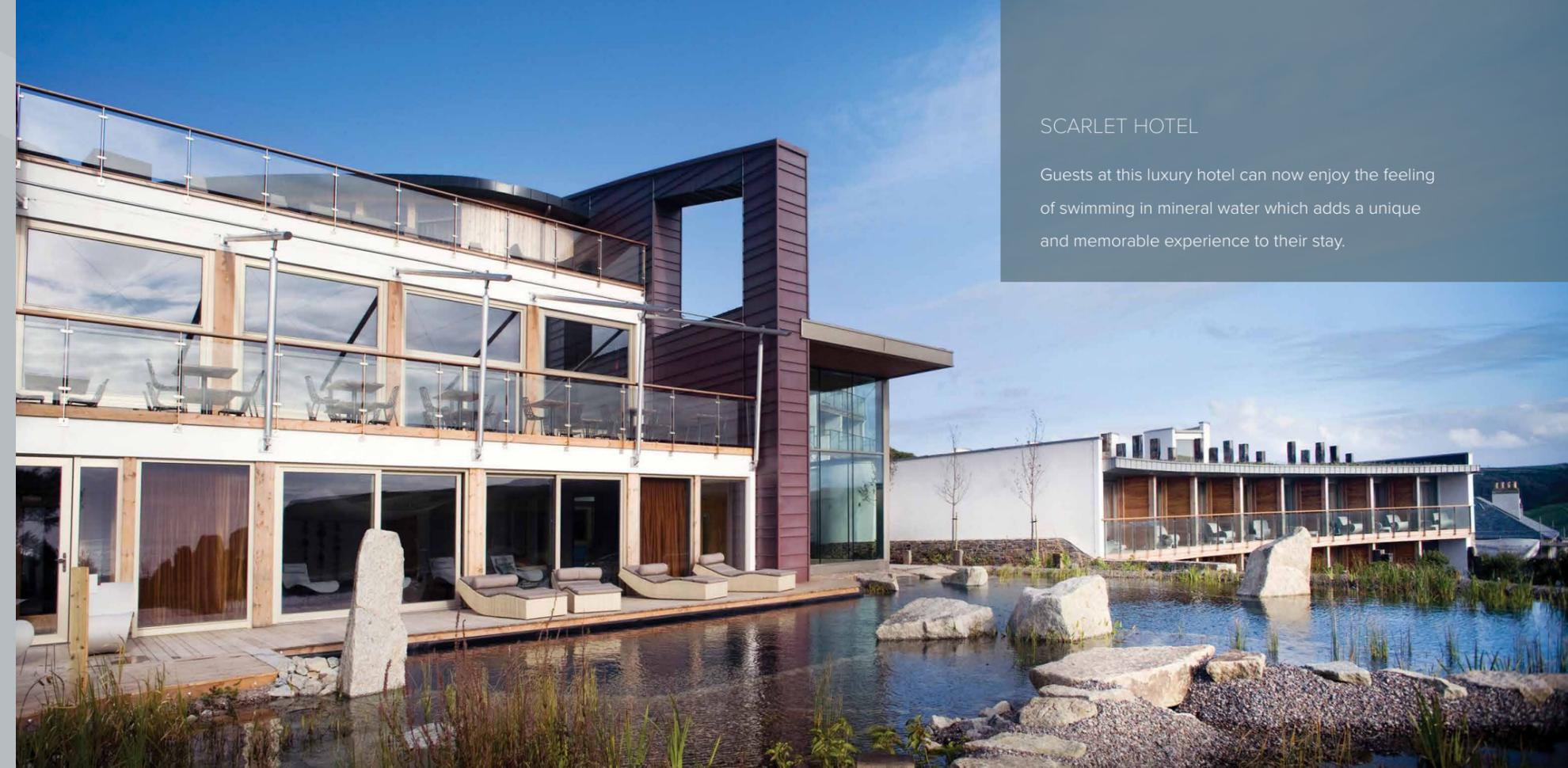
### Environmental

CWR are always keen to be green. The ClearSpring filtration platform can demonstrably cut project running and build costs, and also minimise the environmental or building envelope damage associated with chemical filters.

### WE OFFER:

- Feasibility investigation for community and leisure infrastructure/enterprise level projects
- Flexible project structures – turnkey or filtration fit and supply only (with design)
- Proprietary pool building technology
- Filtration method consultancy – match your client's needs to our systems
- Creative concept design – practically informed creative design input
- All CAD build schematics and technical drawings
- Site drainage plans and plumbing schematic overlays
- Ventilation and pool heating design

Natural swimming pools offer the ideal setting for community open spaces. Clear Water Revival has consulted on various projects in recent years including the full refurbishment of the UK's oldest Lido, the beautiful Bath Spa Lido. Other example projects we can support: high end private client pools, Spa & Wellness Centres, hotel projects, school, public lidos.



### SCARLET HOTEL

Guests at this luxury hotel can now enjoy the feeling of swimming in mineral water which adds a unique and memorable experience to their stay.





### CUTTING EDGE TECHNOLOGY

This 20 by 10 metre pool uses an insulated panel build method to maintain the ideal water temperature and save the owner money on heating costs. Every aspect of it's design is both environmentally friendly and high-performing.

## HOW WE WORK

Clear Water Revival have been building pools since 2006 and take a flexible approach to project structure, offering turnkey full-build, and package supply-only project options.

### Turnkey full build package

CWR can deliver projects from start to finish including groundworks, installation and the supply and fit of our ClearSpring filtration system.

Our accomplished project managers work hard to deliver projects to an impeccable standard.

### Supply only

If you already have your own contractor we have considerable experience working with 3rd party pool builders. This is a tailored approach which seeks to match your needs to our services including consultation, design and supply and fit of our filtration system in a format that suits you.

### WHAT OUR CLIENTS SAY

*"Our new natural swimming pool has been transformative. We had an old concrete pool that was constantly green – now I have a beautiful planted garden space and delightful naturally filtered pool. We used it throughout the summer and it became focal point in our garden for fun and relaxation. Swimming has a totally different feeling – it has none of the chlorine smells or tastes and my family has none of the irritation of skin, eyes, or hair. The running costs, like heating, are also notably lower which has meant we have used it far more."*

**Susan McCartney, Graesands Surrey**

*"Watching the sunset reflected on the still water, the pool achieves exactly what we wanted. I can only echo what a guest at our pond opening party stated... "it's not a pool, it's a chunk of heaven!"*

**Mr John Wyer, Hitchin, UK**

*"With Clear Water Revival, we can deliver a variety of natural pools and promise clean, clear water for the swimmer. It is also the only system that can be retro fitted to existing pools."*

**Pete Clark, Landscapes Ltd**

*"It is such a joy to swim in chemical free waters if like me you react to the chlorines and other toxins used in most pools. The black liner used in the pool readily absorbs heat from the sun and the pool is naturally much warmer than most outdoor pools."*

**Mrs Rosie Hadden, Little White Alice, Cornwall, UK**



## WE WOULD LOVE TO HEAR ABOUT YOUR NATURAL POOL PROJECT

If you are interested in a Clear Water Revival swimming pool or would like to find out more about our filtration system, we would love to hear from you.

### VISIT OUR WEBSITE

[www.clear-water-revival.com](http://www.clear-water-revival.com)

### GET IN TOUCH

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