

C  
D  
S  
I

Discover what's beneath.

# The CDS Green Agenda



“Climate change and the associated environmental impact on our planet are becoming increasingly recognised as the challenge we all need to address – collectively.”



The CDS group are totally committed to doing their part in combatting global warming. Our CDS Green Agenda is best demonstrated by our drive to reduce the carbon footprint of all our developments, aiming to deliver carbon neutral developments where possible.

From cemeteries and crematoria, to parks and recreational spaces, CDS aims to maximise sustainability and, wherever possible, achieve a net gain to biodiversity. CDS are proud that all our designs go above and beyond the requirements of Local and National Planning Policies for environmental sustainability and carbon neutrality.



By promoting a positive Green Agenda, CDS can help Local Authorities to achieve their targets and, in certain circumstances, provide Local Authorities with income generation which ultimately leads to a self-funded scheme.

# Our innovations



- 1** Increase pollution absorption and biodiversity through native and wildlife attracting planting.
- 2** Electric Cremators produce significantly less air pollution, and, if coupled with renewable energy resources, provide a CO<sub>2</sub> neutral cremation.
- 3** Cemfree cement reduces embodied CO<sub>2</sub> emissions by 88%.
- 4** Incorporating recycled plastic into roads, making them more flexible and durable.



- 5** Emissions are reduced by the use of electric hearses.
- 6** Energy Efficient Buildings reduce energy consumption. Heat exchanger used to reuse heat from cremator to heat the building.

- 7** Recycled Plastic drainage infrastructure.
- 8** Providing Electric Vehicle Charging Points for electric and hybrid vehicle users.
- 9** Sustainable Urban Drainage (SuDS) used to enhance biodiversity.

# Reducing the carbon footprint

## Electric cremators

Electric cremators have been designed to reduce the environmental impact of cremations on the environment and provide a green alternative to traditional gas cremators. Electric cremators produce significantly less air pollution products and, if coupled with renewable energy resources, provide a CO<sub>2</sub> neutral cremation. Heat exchangers installed with the machines can also provide a sustainable heating system for buildings further reducing the carbon impact of the development by removing the need for traditional heating systems.

## Plastic roads

Plastic roads have been growing in popularity in recent years with many Local Authorities adopting the system on their framework agreements. These replace a significant proportion of the bitumen (a derivative from crude oil) in tarmac with pellets made from recycled plastics. The final product has even proven to be more durable and flexible than traditional bitumen bound roads. Incorporating plastic roads into developments helps to cut down carbon emissions, fossil fuel usage and reduces the volume of waste plastic in the environment. One tonne of plastic road contains the equivalent of 80,000 plastic bottles.



### Low carbon cement

Concrete is a wondrous construction material that is used all around us in ways that we don't even envisage. However, the environmental impact of cement in traditional concrete is significant, as it is the world's third highest source of manmade CO<sub>2</sub>. New modern materials such as Cemfree concrete significantly reduces the embodied CO<sub>2</sub> compared to a conventional mix by 88%. By utilising innovative new products, the carbon footprint associated with traditional concrete can be significantly reduced.

---

### Composite furniture

Bins, benches, bollards, planters and signs that consist of 100% recycled plastic are innovative solutions for what would have been considered waste material destined for landfill. Recycled plastic furniture is environmentally friendly, sustainable, hard wearing and requires little ongoing maintenance.

---

### Outdoor play equipment

As with recycled furniture, manufacturers of play equipment are now producing a wide range of equipment constructed from 100% recycled plastic which is also long lasting, sustainable and requires minimal ongoing maintenance.

An aerial photograph showing a large array of blue solar panels installed on a green grassy field. The panels are arranged in a grid pattern, with white lines separating them. The grass is vibrant green, and the overall scene is bright and clear.

## Electric vehicle charging points

Vehicle emissions in the UK contribute 26% of the greenhouse gases emitted. With a push to reducing pollution emissions from traditional vehicles, electric cars are becoming increasingly popular and this popularity is only set to rise considerably in the coming decades. Designs of new sites take this shift in market demand and look to include infrastructure such as fast electric charging points.

---

## Electric hearses

Combined with Electric Cremators and Electric Vehicle Charging Point infrastructure, the provision of electric hearses provides a fully sustainable and environmentally friendly service. If clean renewable energy is generated on site, through solar panels or wind turbines, then the green credentials can be enhanced further.

---

## Sustainable Drainage Systems (SuDS)

SuDS designs are required on all developed sites. The concept behind the design of SuDS systems is to reduce surface water flooding, improve water quality and enhance the amenity and biodiversity value of the development. This is achieved by mimicking natural drainage regimes which exist in the environment and can lead to the development of a range of ecological environments which can improve and enhance biodiversity whilst providing an opportunity to design a landscaping feature on the site.

# Pioneering technical capability underpinned with exceptional customer service

## Electric maintenance machinery

Alongside the use of electric cremators, vehicles and hearses, the provision of fully electrical landscaping machinery further removes the use of fossil fuels and their associated emissions. If clean renewable energy is generated on site, through solar panels or wind turbines, then the green credentials can be enhanced further.

---

## Specialist waste management schemes

Effectively managed on site to ensure that waste materials are sorted appropriately so they can be recycled and reused in the most environmentally efficient way.



New innovative products are constantly coming to the market which use recycled materials without impact on the performance requirements.

#### Energy efficient buildings

The construction of a building which is as efficient as possible can incorporate: Triple-glazed windows, LED lighting and A-Rated Appliances. It is also possible to heat a crematorium building using the excess heat from a cremator along with other infrastructure such as greenhouses and maintenance buildings.

#### Green burial sites

Green burial sites allow grave plots to return to nature as the coffin is biodegradable and are placed without a concrete burial vault. Rather than the use of expensive, heavily imported material such as granite, wooden plaques are used to mark burial plots for memorialisation.



## Headstones

Imported granite headstones are typically manufactured from granite quarries in Asia and carry a huge carbon footprint along with ethical issues associated with the treatment and age of workers used in the quarries. Headstones made from British stone are far more environmentally friendly than imported granite headstones. Is it time to start a revolution and change or ways back to traditional stone rather than the black and grey monolithic marble/granite with dominates modern cemeteries.

## Recycled plastic drainage

The installation of below ground drainage systems such as storm crates, chambers and pipes currently involves the use of virgin plastic. However, new innovative products are constantly coming to the market which use recycled materials without impact on the performance of the system. The use of recycled plastics reduces the demand of the production of new plastic, whilst ensuring old plastic can be recycled and repurposed.



# Testimonials

"We commissioned CDS to carry out groundwater risk assessments at our three large cemeteries and in addition to undertake a feasibility study of an area we wish to convert to burial land. We were grateful for their prompt visit to the sites to provide a quotation, their staff are very knowledgeable and helpful. The works were carried out professionally and in good time and the reports are very useful in the day to day running of the service."

KELVIN TAYLOR  
*Bereavement Services Manager, Enable LC*

"We have been very impressed by the level of customer service provided, the consistent high quality and timelines of service provided in respect of technical and non-technical issues.

Furthermore, in my experience, they have always 'gone the extra mile' and offered a value added professional approach on every project they have been instructed on. I would not hesitate in recommending the professional services provided by CDS Ltd to other local authorities. The service provided is excellent."

K MARTYN FENWICK BSC MRICS EHDC

"Entering into a project to develop a new cemetery is rather complicated and a very daunting process. CDS have made the journey to date so easy and taken the pressure off the Town Council by undertaking the technical work that the

Council will be presenting to the EA. CDS's initial assessment has set us off with confidence and we look forward to working with them throughout the project. Knowing that the company will support us until the Cemetery is completed is very comforting."

STEVEN TRICE  
*Town Clerk, Haywards Heath Town Council*

"CDS developed a discreet, cost effective solution to our ground water difficulties and stopped a significant problem becoming a major issue. The solution has coped faultlessly since installed even throughout the recent periods of excessive rainfall."

KEVIN PILKINGTON  
*Head of Bereavement Services, Croydon*

"I have and will continue to work with CDS with great pleasure. CDS have a great understanding of what is required in any given task and have transferred basic thoughts and ideas into reality. The team are professional, constructive, clear and above all very nice to work with... I would be happy to recommend CDS for any aspect of work they feel suited to take on."

S HOLLOWAY  
*Islington & Camden Cemetery Services*

---

# Our clients



southern coop



CROYDON



ISLINGTON



Blackpool Council



I S D C

**The CDS Group**  
Building 51, Wrest Park  
Silsoe, Bedfordshire  
MK45 4HS  
T: +44 (0)1525 864387