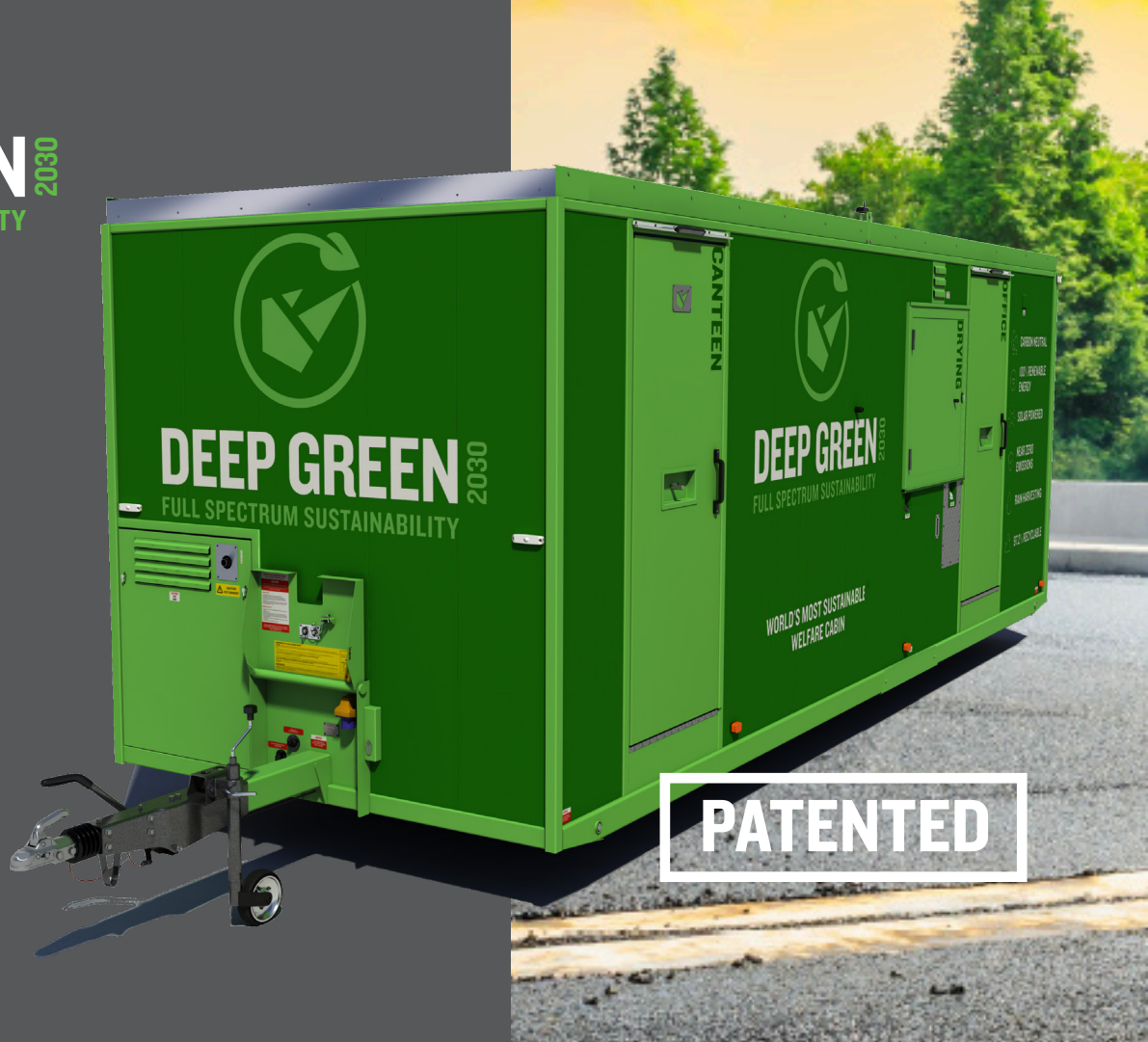
DEEP GREEN 2030
FULL SPECTRUM SUSTAINABILITY

THE WORLD'S MOST SUSTAINABLE WELFARE RANGE

100% renewable energy
Solar powered
Near zero emissions
Minimal water use
Carbon neutral operation
Rain harvesting
92.7% recyclable



THE DEEP GREEN MISSION

PATENTED

FACING THE CHALLENGE

Climate change, fossil fuel depletion, water shortages. We must adapt to combat these challenges.

DEEP GREEN EVOLUTION

Our journey towards Net Zero and why Deep Green is well positioned to meet the challenges.

FINDING THE SOLUTION

The Deep Green range hits environmental targets while still be 100% commercially and operationally viable.

A TAILORED APPROACH

As manufacturers and engineers, we can tailor the Deep Green product to suit your busines needs.

THE ISSUES WE FACE GLOBALLY

CLIMATE CHANGE - CO2 EMISSIONS

Burning fossil fuels are release carbon dioxide and other greenhouse gases into the atmosphere, These GHG trap heat in our atmosphere, making them the primary contributors to global warming and climate change and their potentially catastrophic effects. The UK Green Building Council states that around 10% of the UK's carbon dioxide emissions are directly associated with construction.

WATER SHORTAGES

Climate change and increased water consumption has caused a global water crisis, with 1.1 billion people worldwide lack access to clean water, and a total of 2.7 billion find water scarce for at least one month of the year. (Source: WWF)

FOSSIL FUEL DEPLETION

The availability of fossil fuels is decreasing after centuries of mismanagement and over-reliance on them. Shortages and price increases are almost certain in the future.

LEGAL DRIVERS FOR CHANGE

Global pledges & legislation

- Paris Agreement - a legally binding international climate change treaty on climate change aiming to limit global warming to below 2, preferably to 1.5 degrees Celsius
- UK aims to meet Net Zero by 2050
- UK Green Industrial Revolution to support low-carbon technologies
- China cites Net Zero by 2060 commitment
- Japan PM pledges carbon neutral by 2050
- Germany commitment to reach net zero greenhouse gas emissions by 2050
- Austria Net Zero by 2040
- Denmark to build a "climate-neutral society" by 2050
- 100% renewables goal for the UN
- International Energy Agency - Net Zero global target by 2050
- European Commission aiming for bloc-wide 2050 net zero emissions target

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THE MARKET DEMANDS CHANGE

The construction and infrasture industries are undergoing a massive shift in how they do business. With pressure from shareholders and the need to comply with a growing raft of legislation, work sites are increasingly insisting on Net Zero and carbon neutral operations.
To succeed going forward, it will be essential to supply welfare products that comply with these requirements.

Companies that fail to respond to climate change "will go bankrupt without question".

MARK CARNEY
Former Governor of the Bank of England (Independent 2019)

UK'S LEADING COMPANIES ARE ALL ON BOARD

"It's now or never. By 2030, we aim to have no direct emissions from our day-to-day operations by eliminating fossil fuel use in our offices and on our sites."
WILLMOT DIXON

"Our railway is on a journey to a cleaner, greener future. Thinking, planning and operating in an environmentally sustainable way must become part of the DNA of Network Rail as a whole."
Andrew Haines, Chief executive NETWORK RAIL

"We will be Net Zero Carbon by 2025 for Scope 1 emissions, produced directly from the fuels we burn, and Scope 2 emissions from the power we consume, eliminating fossil fuels from our construction sites by 2025."
LENDLEASE

"We are not just committing to being Net Zero Carbon within the next five years (2025), but, importantly, to a year on year reduction in our Carbon emissions."
SIR ROBERT MCALPINE

"We aim to achieve Scope 1 and 2 net zero by 2035 with a minimum of 80% absolute reduction on a 2019 baseline and be fully net zero including Scope 3 by 2040."
AMEY

"The market for sustainable solutions is expanding fast and companies who are not investing in innovations will soon be unable to compete. We are committed to eliminating waste and carbon from our operations by 2025."
WATES

"All our operations, including our supply chain will be net zero carbon by 2035 at the latest against our 2020 baseline. By 2023, every solution delivered by Costain for our clients will propose low carbon options."
COSTAIN

"At Keltbray, managing our carbon impact has never been so important or meaningful, not only to increase the company's efficiency and reduce our impact to the environment, but because it now wins the business work."
KELTBRAY

THE DEEP GREEN EVOLUTION

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2015

Invention of patented Red Box generator reducing servicing and associated carbon footprint by 800%

Carbon offsetting program begins – purchase of sustainable Scottish woodland

2016

Launch of Eco Ultimate energy management system - cuts energy use and fuel consumption by 83%

First manufacturer to offer stainless steel build on welfare cabins with 25 year warranty

2017

Introduction of Gold Standard electrical certification exceeding legal standards

2018

Creation of our unique rain harvesting and grey water recycling system WM Pro. Up to 80% reduction in water use and toilet servicing

2018

Introduction of various environmental innovations, including solar panels and PIR sensor lighting

2020

Launch of Deep Green 2030- the industry's most sutainable welfare range

Make HVO biofuel our fuel of choice in all cabins - up to 90% less CO_2 and other harmful emissions

THE DEEP GREEN SOLUTION

DEEP GREEN 2030
FULL SPECTRUM SUSTAINABILITY

SOLAR POWERED

Virtually 100% of energy needs supplied by solar with 3.5kVA emergency generator.

NEAR ZERO EMISSIONS

A combination of solar energy and HVO biofuel use results in virtually zero CO^2 emissions.

WATER SAVING

Rain harvesting and grey water recycling system cuts service visits by at least 50%.

REMOTE MONITORING

SOLARTrack™ system remotely reports energy use & production, tank levels & faults.

HVO BIOFUEL

Natural renewable energy source - up to 90% reduction in harmful emissions.

SUSTAINABLE BUILD

100% stainless steel build gives greatly extended life span with 25 year warranty.

ENERGY SAVING

Highly efficient electrical system designed for the lowest levels of energy consumption.

RECYCLABLE

Use of recyclable materials to ensure minimal end-of-life environmental impact. 97.2% recyclable.

CARBON OFFSETTING

Investment in woodland to offset the CO2 produced in the manufacturing process.

DECONTAMINATION

Option of anti-viral air purification system to deep clean air to reduce odours and risk of air-borne diseases.

DEDICATED SUPPORT

Comprehensive aftercare service - a fleet of nationwide engineers, training plus phone and online support.

REDUCED SERVICING

Patented generator with 2000 hr service interval cuts cost and environmental impact of service visits.

KEY ENVIRONMENTAL BENEFITS

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- Solar powered. Generator run time reduced by 98% minimum - most of time generator will not need to start at all. Only on darkest winter days.
- CO2 emissions cut by average 8283.2kg over a year.
- Reduction in fuel use - saves approx. 3090 litres of fuel per year.
- Average 1954kWh of free energy harnessed from the sun per year.
- If generator is needed, use of HVO biofuel and fitting of optional DPF filters reduce CO2 emissions to virtually ZERO.
- Fresh water flush toilets eliminate the requirement for environmentally harmful chemicals to be used.
- Micro-flush system uses as little as 0.5l of water per flush compared to 6l in a standard toilet. A water saving of up to 91.6%. Waterless urinal uses no water.
- SOLARTrack™ telemetry system monitors energy, fuel, water, waste, and generator performance means service visits can be planned precisely - no wasted visits.
- Less servicing of toilets and generator means less environmental pollution from service vehicles (fuel use, carbon emissions, noise pollution and road congestion).

KEY FINANCIAL BENEFITS

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£2900

Solar energy production coupled with low energy requirements means this cabin consumes an average 71.5 litres of fuel per week less than standard. Annual saving of approx £2900*.

£1500

The reduction of water waste due to a combination of grey water recycling, microflush toilets and waterless urinals will save an average £1500* per annum on direct Toilet Servicing costs.

TOTAL SAVING PER YEAR

£5460

£560

With rain water harvesting, grey water recycling, microflush toilets and waterless urinals, you'll save an average £560* per annum on Fresh Water Refill costs.

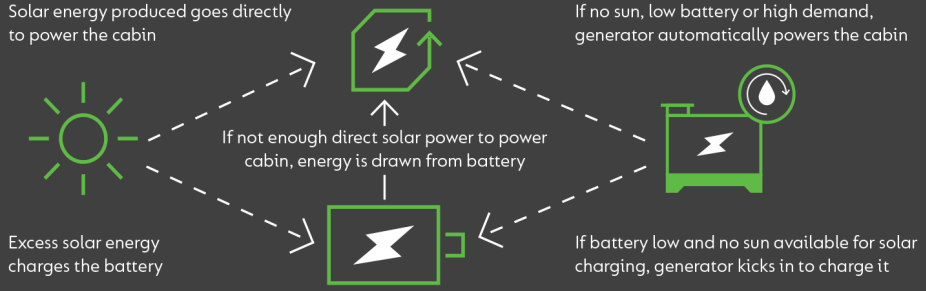
£500

Our patented generator has a 2000 hour service interval. COmbined with a minimal generator run time, this creates a saving of min. £500* per annum on Generator Servicing.

*Compared to Standard comparable Welfare Cabin

PATENTED

HOW IT WORKS



DEEP GREEN WELFARE
KEY FEATURES

- Patented Deep Green welfare cabin design is carbon neutral in operation
- Virtually 100% solar powered – free clean renewable energy
- Near zero emissions due to use of solar power, HVO biofuel (and DPF exhaust-cleaning filters if specified)
- Almost silent operation
- Ultra efficient SOLARFlowTM electrical system with low energy requirements
- SOLARTrackTM - 24/7 monitoring of energy production and usage
- Patent-pending WM ProTM system saves water byt harvesting rainwater and recycling grey water
- Twin female and male toilets cater for all site users
- Fresh water chemical-free micro-flush toilets and waterless odour-free urinals
- Separate dedicated office in 24ft unit
- 3.5kVA back-up generator. Patented design with 2000h service intervals
- Generator runs on HVO biofuel cutting CO2 emissions by up to 90%
- Separate dedicated Drying space for storing and drying wet dirty clothes in 24ft unit
- Option to have exhaust emissions cleaned using DPF filters
- HVO biofuel greatly reduces emissions of NOx, SOx, Benzene, Hydro Carbons, PM and CO.
- Reduced water use means fewer service visits for waste emptying/ water refills
- Option of anti-viral ionising air cleaning and deodorising system
- Interior/exterior PIR-sensor 24V LED lighting - hygienic, saves energy
- Hot-water hand wash in canteen and toilets and no-touch hand dryers
- High security anti-vandal units with 3-bolt locking system and anti-prise strip on doors.
- Easy to transport and set up - deploys in under 2 minutes
- Fully compliant with all HSE requirements
- Sustainably-built cabin made from long-lasting stainless steel – 25 year warranty
- 97.2% recyclable at end of life

CANTEEN OFFICE 24 TWIN - TECHNICAL DATA

Attribute	Measurement
Unit Length	6988mm
Unit Width	2300 mm
Unit Height	2398 mm
Towing Length	8364 mm
Towing Height	2756 mm
Internal Height	1990 mm
Internal Width	2130 mm
Net Weight	2750 kg
Fresh Water Tank	200 litres
Waste Tank	220 litres
Fuel Tank	56 litres

CANTEEN SPACE 16 TWIN - TECHNICAL DATA

Attribute	Measurement
Unit Length	6988mm
Unit Width	2300 mm
Unit Height	2398 mm
Towing Length	8364 mm
Towing Height	2756 mm
Internal Height	1990 mm
Internal Width	2130 mm
Net Weight	2750 kg
Fresh Water Tank	200 litres
Waste Tank	220 litres
Fuel Tank	56 litres

COMING SOON
12ft MOBILE & STATICS

Remote Monitoring & Operation

Using our solartrack system, energy production and usage is monitored 24/7. Information can be accessed remotely via WiFi or 3G/4G/5G Internet connection.

Remote Energy Management

- Logs energy production from solar panels
- Records cabin energy consumption
- Monitors battery levels
- Real time and historical data available
- Location and weather information
- User friendly graphics

Generator Telemetry

- Remote fuel level monitoring and low fuel alarm
- Remote generator control inc. switch on/off; load management; optimised quiet hours and scheduled runs
- Remote fault reporting, diagnostics, and troubleshooting

Water & Waste Tanks

- Monitor waste and water levels remotely
- Low water and full water alarms
- Plan service visits precisely and reduce costs

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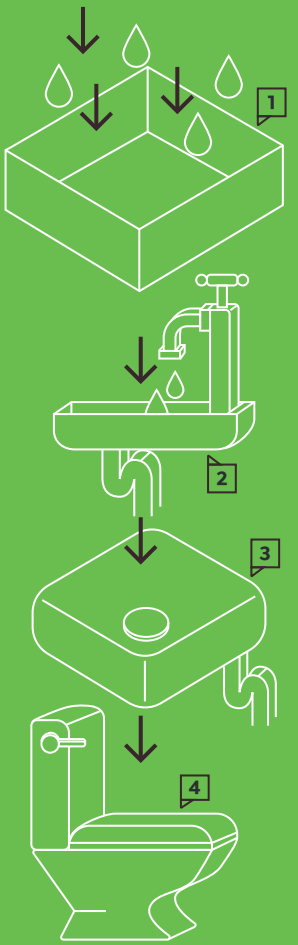
Water Saving

Our Deep Green welfare cabins have been engineered to reduce significantly the amount of water needed to operate.

By clever use of rain-water harvesting and grey-water recycling, this system benefits both the environment and the user. With far less waste water produced and far les fresh water needed, the interval between services increases dramatically meaning big savings in fuel, time and cash.

Here's how it works:

1. Rainwater is captured, sieved for large debris and stored in a tank
2. The rainwater is passed through a UV filter to sterilise it before being heated and used for washing hands
3. Water from the sink is transferred to a grey water tank
4. Water from the grey water tank is used to flush the toilet



FUTUREPROOF YOUR FLEET

OUR WORLD IS FRAGILE

CLIMATE CHANGE IS REAL

THE DIESEL ENGINE IS DEAD

INVEST FOR THE FUTURE

THE TIME FOR CHANGE IS NOW

OUR ROUTE TO MARKET