

AJC EasyCabin

Ecosmart

SAVE

EMISSIONS

TIME

MONEY



An Ecosmart welfare unit to suit your site. No matter where.

**Hybrid
battery /
generator**
combination as
standard.

**Highly
efficient**
systems and
appliances.

**Wide
selection**
of sizes
and layouts
available.

Great choice
of upgrades to
improve even
further.



Proudly designed & built in the United Kingdom since 1964.

We have been designing & building high quality trailers since 1964. Since 2006 we have been focused on Welfare Units, driving innovation in the market using hybrid power systems and the newest technology. Each one of our products is designed to save fuel/emissions, be easy to use, be comfortable and reliable.

Our products are loved by end users, owners and fleet operators alike. Ecosmart models built before 2010 are still in daily operation today. Many thousands operate daily across the UK on large hire fleets, serving on projects of all sizes, from small building renovations to huge national infrastructure projects.

Following the huge success of the EasyCabin Ecosmart welfare unit, we scaled up the

power saving hybrid system to provide off-grid power to remote sites. The Solar Pod has now set a new standard for off-grid sites, proving that it can provide the same power with 50% less fuel.

We are developing our products all the time, looking at how to reduce fuel consumption and emissions even further. Hydrogen Fuel Cells, HVO compatible generators and lithium batteries are now available on our products.

We are focused on pushing our hybrid systems into new market sectors and designing new products to save fuel on sites world-wide.

Award winning products, moving into the future of site welfare.

2017: Green Apple Winners
Ecosmart Welfare Range

2018: Green Apple Winners
Ecosmart Solar Welfare Range

2018: Green World Winners
Ecosmart Welfare Range

2019: Green Apple Winners
Ecosmart ZERO Hydrogen Welfare range

2019: Green Apple Winners
Solar Pod Hybrid Site Power Supply

2020: Green Apple Winners
Solar Smart Site Hybrid Site Power Combination

2020: CSR Excellence Awards
Ecosmart ZERO Hydrogen Welfare range

2020: HAE Hire Industry Product of the Year
Ecosmart ZERO Hydrogen Welfare range

2021: CSR Excellence Awards
Charge Pod Tool Charging Station

2021: Green Apple Winners
Charge Pod Tool Charging Station

2022: Green Apple Winners
Ecostatic SolarMAX

2023: Green Apple Winners
e-smart 100% Electric Welfare Unit

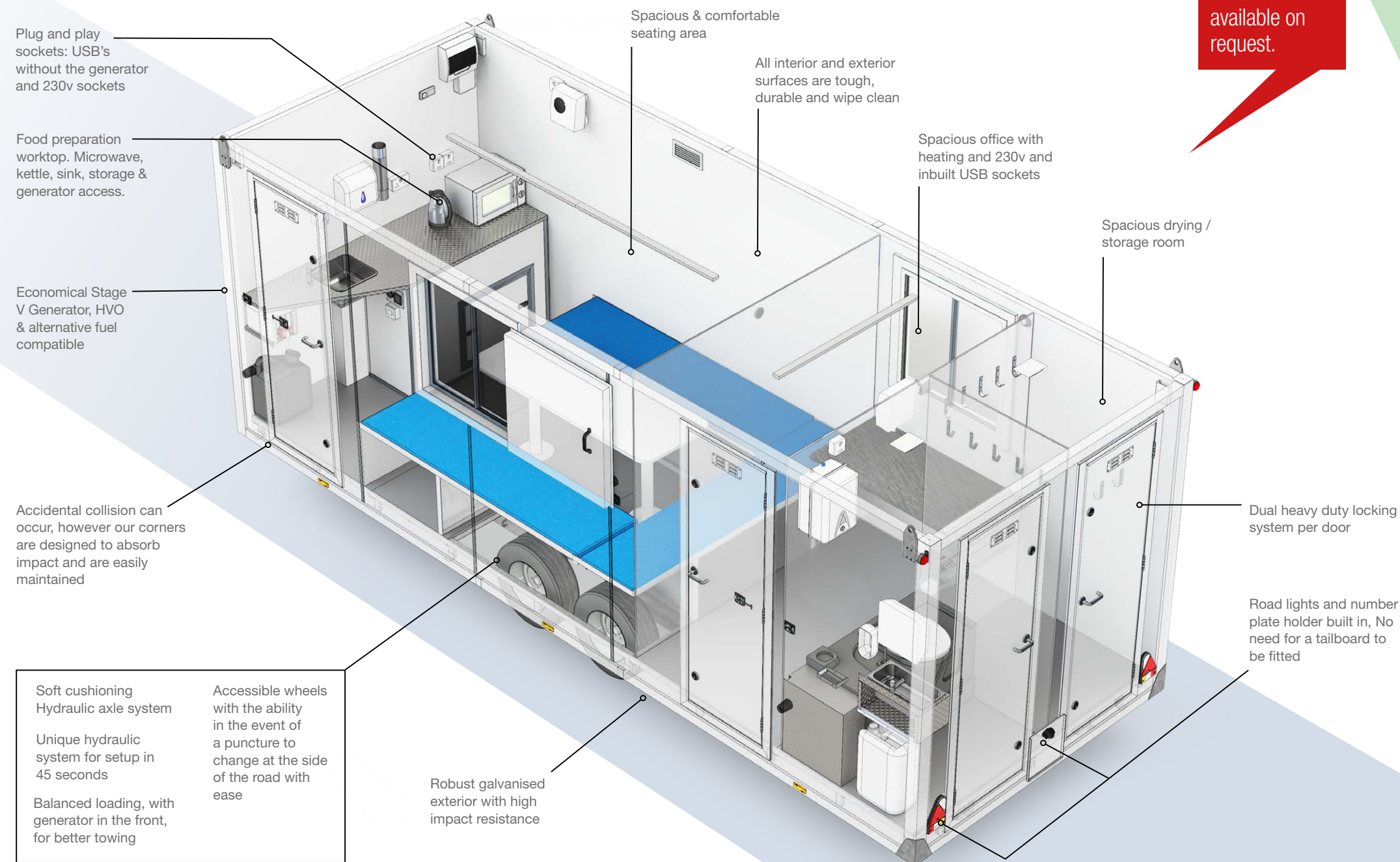
Our sustainable hybrid products are receiving a lot of attention. We have won many awards for our hybrid products. Our products have won a variety of awards for innovation, sustainability, corporate social responsibility, fuel saving & design. Owners of hire fleets have also won awards for running Ecosmart units across their operations.



WELFARE ANYWHERE



Key specifications. What makes a typical Ecosmart?



Welfare facilities in every unit

- ☐ Kettle
- ☐ Microwave
- ☐ Sink with running hot water
- ☐ Electric or Diesel Heating
- ☐ 230v Plug sockets
- ☐ USB charge sockets

- ☐ Towel & soap dispensers
- ☐ Waste & fresh water containers
- ☐ Comfortable bench seating
- ☐ System controls
- ☐ Breakers / Consumer unit
- ☐ LED low power PIR lighting

- ☐ Under-seat storage
- ☐ Stainless steel worktop
- ☐ Flush or chemical toilet
- ☐ Handwash sink
- ☐ Hot water heater
- ☐ Drying, Storage room

Optional

- ☐ 2x Kettles
- ☐ More sockets
- ☐ Pin boards
- ☐ Shelving
- ☐ More windows
- ☐ External paint colours
- ☐ External livery

- ☐ Reflective Chapter8 Livery
- ☐ Ball or loop towing hitch
- ☐ Low level lifting points
- ☐ 2x toilets
- ☐ Urinal

Every Ecosmart has standard features that set it apart from the rest.



Thermal insulated

Our unique high density composite panels ensure minimum thermal transfer. Cool in summer, warm in winter.



High-spec running gear

We only use AL-KO axles & towing equipment to ensure long life and easy parts replacement.



Hydraulic lifting axles

No nonsense, quick set up. Press a button and the wheels hide away. Parking is easy. Moving is easy.



Hybrid power

Batteries are part of the power system, keeping generator use to a minimum.



Comfortable, clean, bright interiors

Our light & bright interiors set us apart from the rest. High gloss surfaces throughout, make them easy to clean.



Fully galvanised

Built for a tough life. Galvanized unique, high strength, composite panels and chassis. Resistant to vandals, road shocks, water & rust.

Ultimate welfare choice.

1

Choose Size

4 sizes, 12 to 22.9 feet long trailers.

6 to 16 people.

All sizes have the same facilities: Seating, canteen, toilet & drying room.

On larger sizes there is space for more canteen seating or a separate office room.

2

Choose Layout

A layout for every team. Emphasis on seating, office space or both.

Alternative layouts are available on all size models.

Extra canteen seating or office spaces.

Dual toilets are available on every size.

3

Choose Systems

Scale up your eco-potential to ZERO emissions.

Every Ecosmart unit is a Hybrid combination of batteries and generator.

We only make systems to reduce generator time and emissions.

Add solar panels to increase power generation without increasing emissions.

We have 7 levels of hybrid systems all the way up to ZERO emissions fully electric solar/battery units.

4

Choose Upgrades

Site welfare - have it your way.

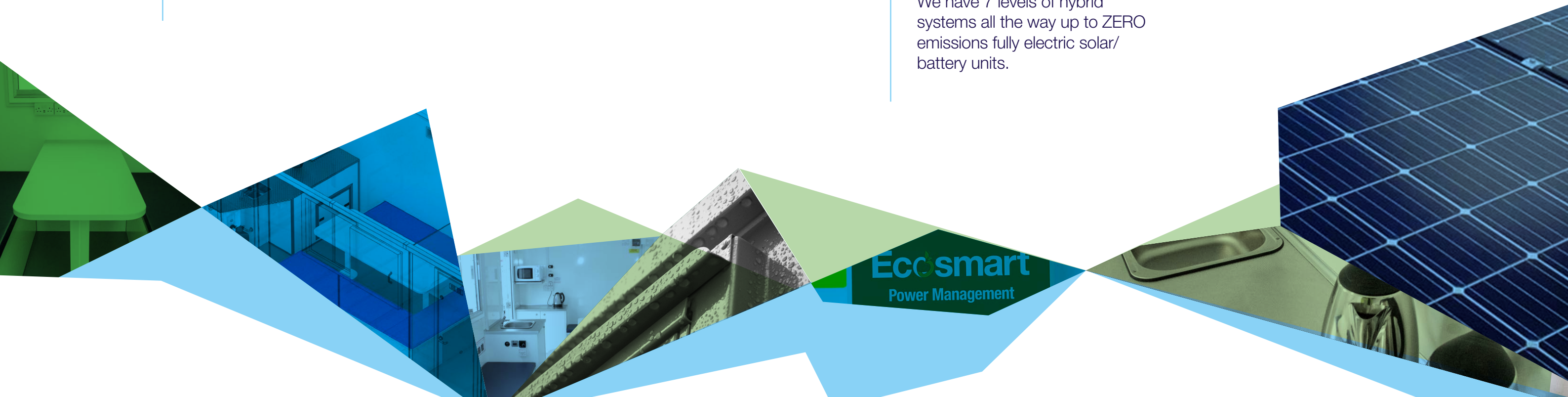
We have a wide range of upgrades to choose from.

Available on every Ecosmart.

From custom paint finishes & graphics, to 4G WiFi routers.

AJC Connect

AJC Connect upgrade to remotely monitor / control your unit fleet.



Choose Size

4 sizes,
12 to 22.9 feet trailer length.
6 to 16 people.

12



6-8

Depending on layout



LENGTH	3615 mm	11.9 ft
WIDTH	2420 mm	7.9 ft
HEIGHT	2700 mm	8.8 ft



GROSS	1800 kg	3970 lb
UNLADEN	1650 kg	3640 lb
PAYLOAD	150 kg	330 lb

20



10-16

Depending on layout



LENGTH	6200 mm	20.3 ft
WIDTH	2420 mm	7.9 ft
HEIGHT	2700 mm	8.9 ft



GROSS	3000 kg	6620 lb
UNLADEN	2535 kg	5511 lb
PAYLOAD	465 kg	1025 lb

16



7-12

Depending on layout



LENGTH	4910 mm	16.1 ft
WIDTH	2420 mm	7.9 ft
HEIGHT	2680 mm	8.7 ft



GROSS	2240 kg	4940 lb
UNLADEN	2145 kg	4630 lb
PAYLOAD	95 kg	209 lb

22.9



16

Depending on layout



LENGTH	6979 mm	22.9 ft
WIDTH	2420 mm	8.3 ft
HEIGHT	2700 mm	9.4 ft



GROSS	3500 kg	7720 lb
UNLADEN	2733 kg	6025 lb
PAYLOAD	267 kg	590 lb

Max permitted trailer length for vehicles under 3500kg.

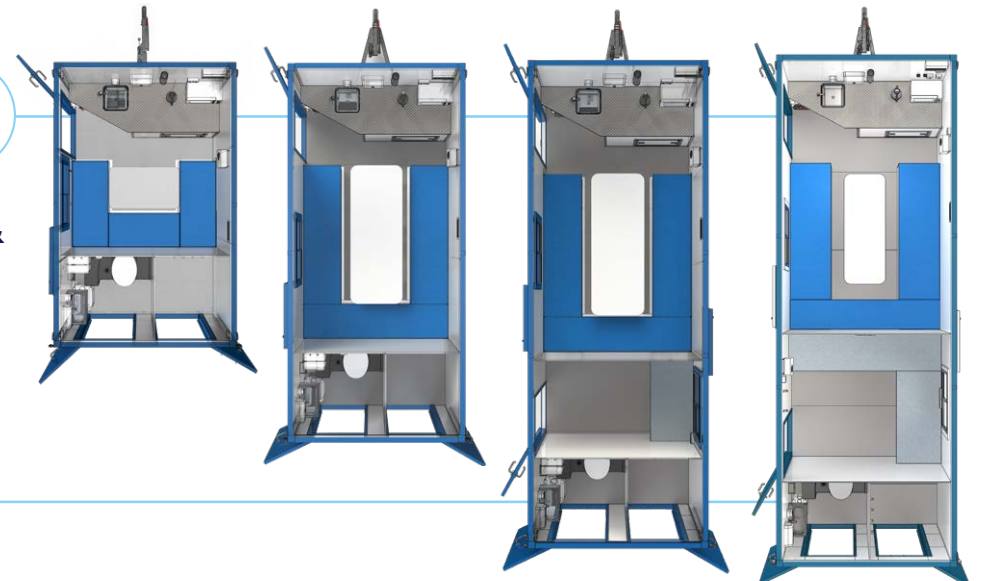
Choose Layout

A layout for every team.
Emphasis on seating, office space or both.

Open Plan

Large canteen & seating space

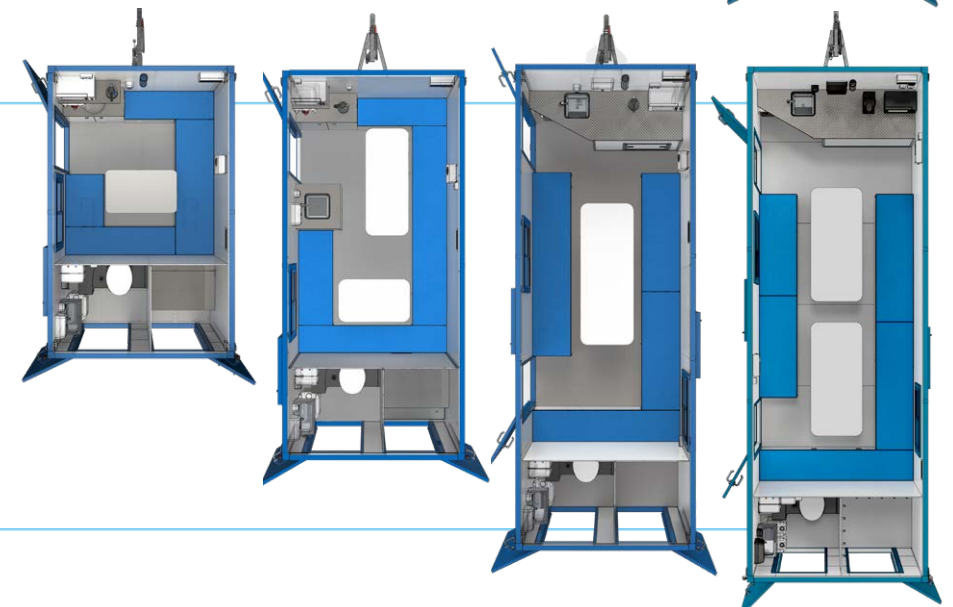
Our most popular layout. A great mix of food/drink preparation space and seating.



Xtra

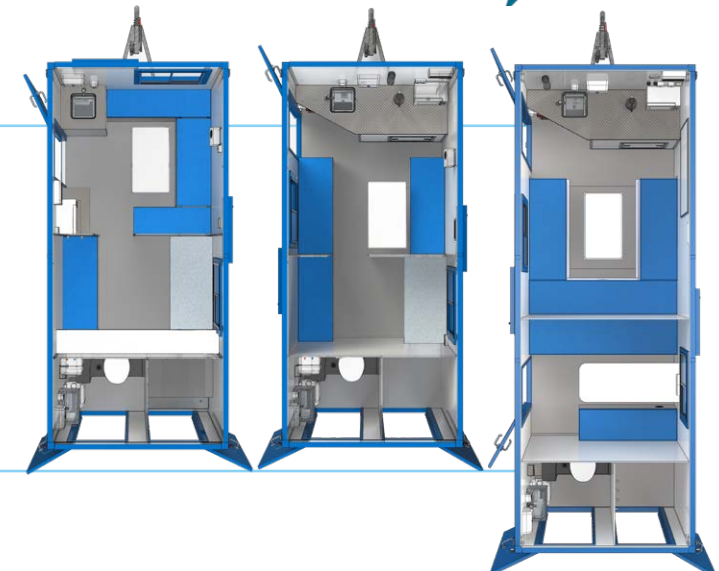
Space saving layout to maximise seating capacity

Spacious canteen seating for large groups.



Canteen + office space

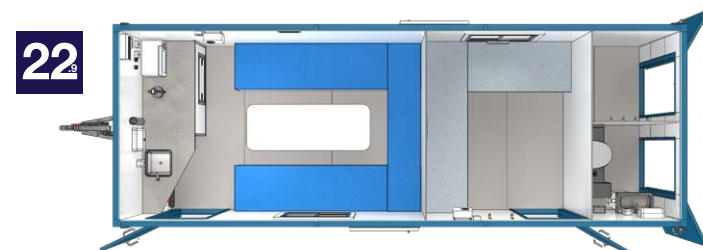
Combination layouts to include an office with bench seating.



Choose
Layout

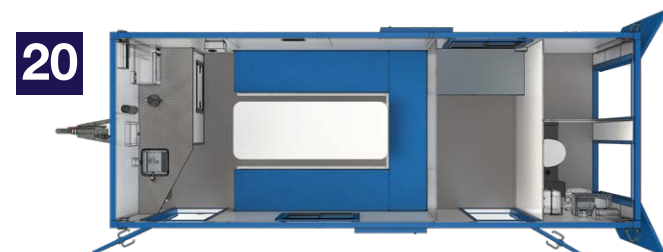
Open Plan

Large canteen +
worktop space



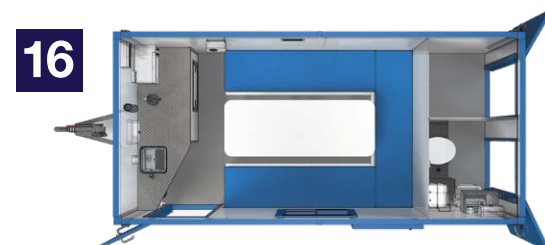
15

Canteen for 12
Office for 3 WC, Drying +
storage



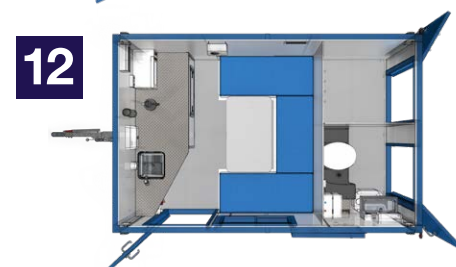
12

Canteen for 10
Office for 2 WC, Drying +
storage



10

WC, Drying +
storage



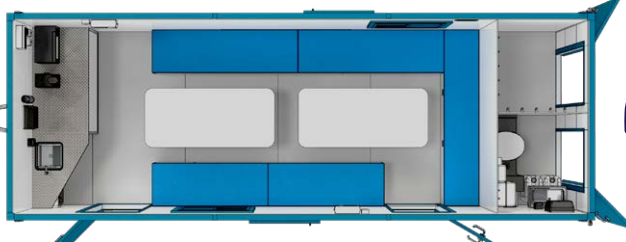

6

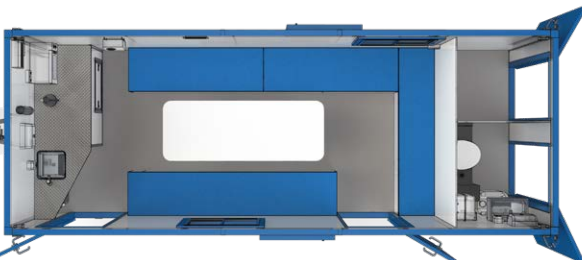

WC, Drying +
storage







Choose
Layout Xtra

Extra large
seating area

22   **16** WC, Drying + storage

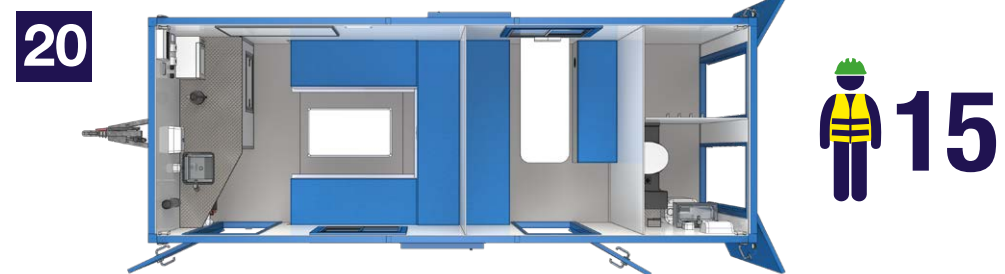
20   **16** WC, Drying + storage

16   **12** WC, Drying + storage

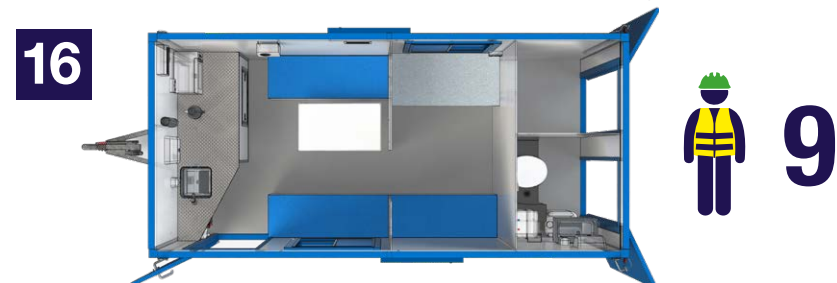
12   **8** WC, Drying storage



Choose **Layout** + **More office space**



Canteen for 10
Office for 5
WC, Drying
+ storage



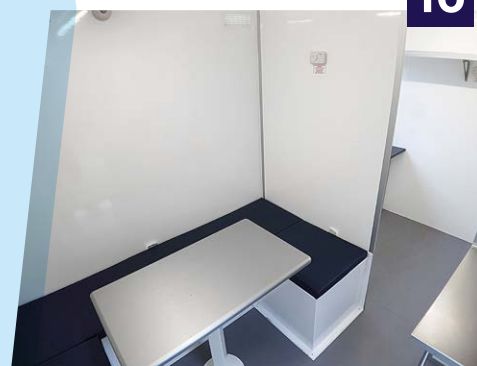
Canteen for 6
Office for 3
WC, Drying
+ storage



Canteen for 7
Office for 3
WC, Drying
+ storage



16 **Xtra +**



16



16 **Xtra +**



16



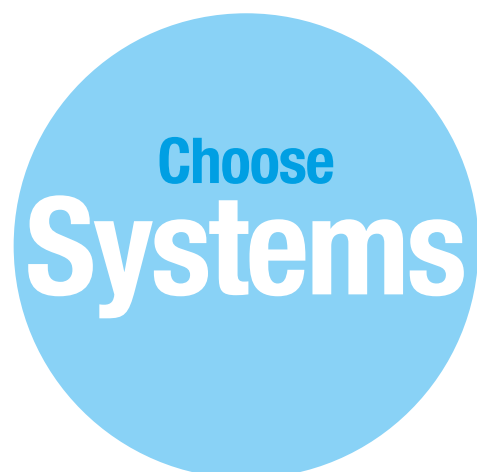
16 **Xtra +**



20 **16**



20

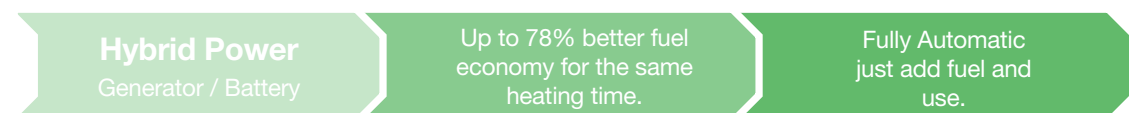


Scale up your
eco-potential to
ZERO emissions.

Solar +
alternative
power sources.

We have a large collection
of power consumption
case studies and data.
Available on request.

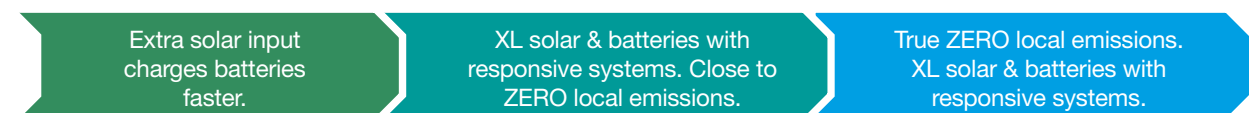
Hybrid power saving potential



Improve
charge times

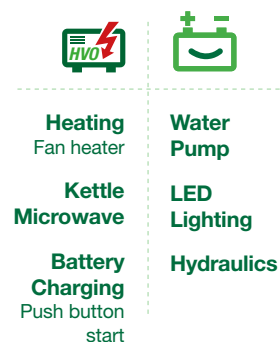
Close to
Zero Emissions

Zero
Emissions



EcoSmart

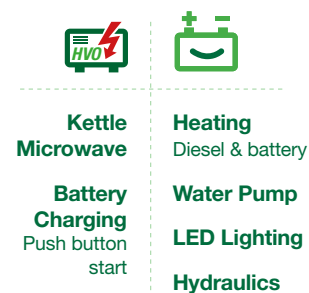
Hybrid Power
HVO Generator / Battery



Instant Hot Water
4 minutes warm up
=
4 hours hot water on demand

**EcoSmart
'Air'**

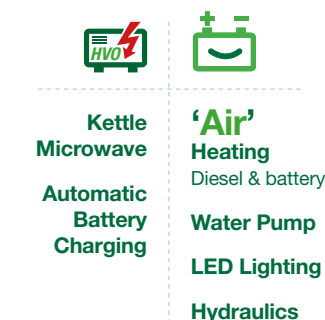
Hybrid Power
HVO Generator / Battery



Instant Hot Water
4 minutes warm up
=
4 hours hot water on demand

AutoSmart

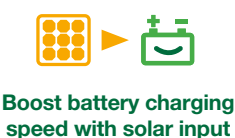
**Automatic
Self charging hybrid**
HVO Generator / Battery



Instant Hot Water
4 minutes warm up
=
4 hours hot water on demand

**EcoSmart
Solar
UPGRADE**

Solar Panels
HVO Generator /
Battery / Solar



Upgrade from:
**EcoSmart
EcoSmart
'Air'
AutoSmart**

**EcoSmart
MAX**

**Automatic
Self charging hybrid**
Lithium Battery Bank / XL Solar
/ HVO Generator Backup



ZERO fuel on summer days

**All systems run from
battery bank**

Heating option
Diesel or Electric



Instant Hot Water
4 minutes warm up
=
4 hours hot water on demand

**EcoSmart
ZERO^{co.}**

**Automatic
Self charging hybrid**
Lithium Battery Bank / XL Solar
/ Hydrogen Fuel Cell Backup



ZERO fuel on summer days

**All systems run from
battery bank**



Instant Hot Water
4 minutes warm up
=
4 hours hot water on demand

Push sustainable power beyond the *MAX*, all the way to *ZERO*.

Full roof of super efficient solar panels



Ecosmart®

MAX

ZERO^{CO₂}

Backup HVO
Stage 5 Generator

Backup
Hydrogen Fuel Cell



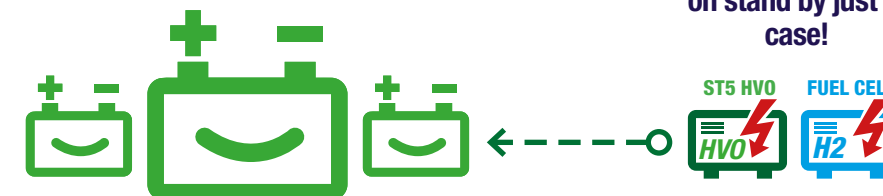
Maximum Solar. Lithium Battery Bank.
Intelligent, automatic systems. Efficient appliances.
Same great Ecosmart comfort and usability.
100% of the power can be met from solar only.*

No compromise, sustainable, automatic power systems. The ultimate EasyCabin.

Extra large, high quality solar panels and lithium battery bank for maximum power harvesting and storage.



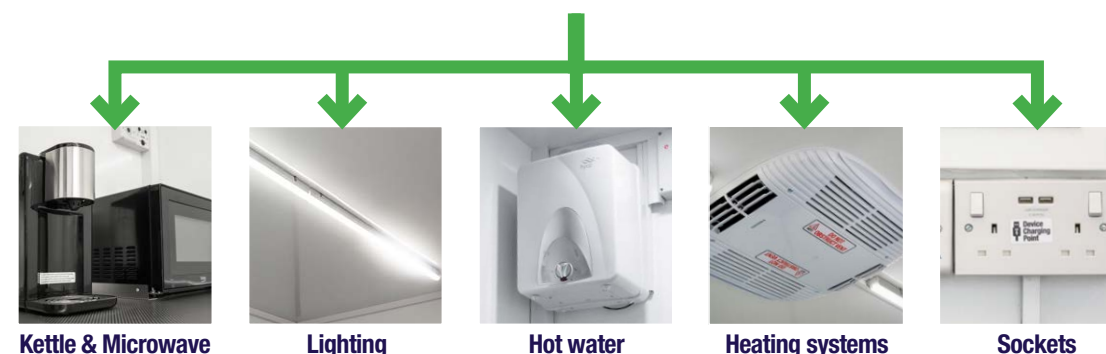
Backup power on stand by just in case!



Powerful lithium battery bank

Ecosmart®

Power management system keeps back-up generator use to a minimum



LOW
CO₂

No fossil fuels
With HVO fuel used as a back up only.



Zero fuel with solar panels
On summer days up to 100% of the power demands can be met from the solar panels.*

LOW

More peace and quiet
Less generator time. Less noise and vibration.



On-demand power & heat
On any appliance in the cabin.



Efficient power management
The Ecosmart system controls power demands to make sure the generator is only used when absolutely necessary.



Remote telemetry
View data readouts on your device or laptop from any where in the world



Rain water harvesting
Re-use rain water for toilet flushing and hand washing.

Ultra low emission

ZONE

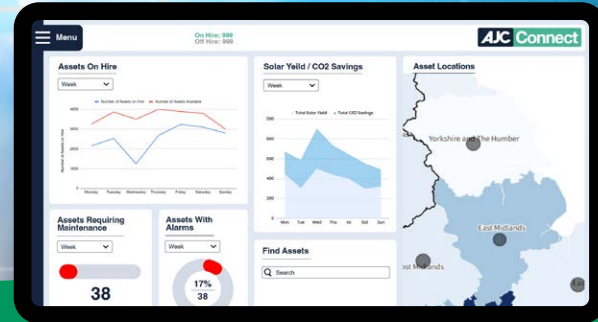
Clean air

ZONE

AJC Connect

Monitor & control
your fleet assets
from anywhere.

UPGRADE

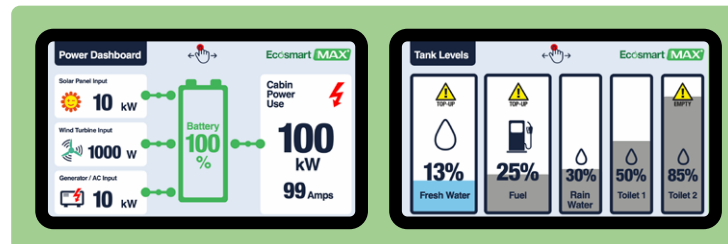


AJC Connect is a centralised asset management dashboard for organised oversight. Benefit from real-time tracking, ensuring continuous monitoring of the location and status of each system component. Achieve cost savings through efficient monitoring of maintenance, servicing, and resource allocation. Enhance security with GPS tracking and physical unit sensors.

Furthermore, delve into historical data analysis, recording, storing, and analysing critical metrics such as voltage and current. Develop a proactive preventative maintenance strategy informed by the rich historical data at your disposal. Elevate your asset management experience with our all-encompassing solution tailored for efficiency and security across the board.

On-unit Control Dashboard

Optional on any unit is a local control dashboard integrated with **AJC Connect**. Simple user controls and data readout for each appliance and system.



Level 1

Energy Usage Analytics:
Detailed insights into the power consumption of each unit.

Environmental Condition Monitoring:
Track temperature, humidity, and other environmental factors to ensure optimal conditions within the units.

Remote Control Capabilities:
Ability to adjust some settings and systems remotely.

Level 2

Advanced Management and Integration
(Includes All Level 1 +)

Comprehensive Asset Management:
Detailed tracking of each unit's performance, maintenance schedules, and overall health.

Integration with Existing Systems:
Seamless compatibility with the unit's current operational systems for a unified approach.

Predictive Maintenance:
Utilise data trends to predict and schedule maintenance, reducing the likelihood of downtime.

Level 3

Full Optimisation and Automation
(Includes All Levels 1&2 +)

Advanced Optimisation:
Utilise external data trends to perform energy optimisation and automated adjustments. Automated Scheduling: Schedule maintenance, energy adjustments, and other tasks automatically, based on realtime and historical data.

Customised Reporting and Insights:
Tailored reports providing deep insights into unit usage, efficiency, and operational trends.



After care & Support

We have dedicated support teams to help you with every part of your journey with us.

We are more than just a manufacturer. Your success is the key to our success.

- Sales Support
- Marketing Support
- Delivery / Handover
- Product Training
- Service Support
- Technical Support
- Parts / Upgrades

Technical advice & training

We have a dedicated team of engineers UK wide. Ready to respond with remote phone support or at your location.

We offer full training courses in all aspects of maintenance and operation.



User Manual & Service Guide

A comprehensive owners guide. Every part of the unit is covered, from End user guides to individual parts servicing, troubleshooting and maintenance.



Ecosmart 16 Fuel Efficiency Comparison

To illustrate the fuel & emissions saving potential of our welfare units see below data for a 16FT welfare unit.

A full, individual data presentation for each combination of size / layout / system is available on request.

16 1 Year energy use*	Gen Run Hours	Litres Used	Diesel Cost £	Diesel CO ₂ e KG	HVO CO ₂ e KG	Litres Fuel Reduced by %	Fuel Cost Savings £
Non-hybrid 6kVA Welfare Unit	2600	2600	£ 4,420	7083	708	----	----
Ecosmart	976	879	£ 1,494	2394	239	66.2%	£ 2,926
Ecosmart Solar	859	773	£ 1,315	2107	211	70.2%	£ 3,105
Ecosmart 'Air' Diesel Heating	843	783	£ 1,330	2132	213	69.9%	£ 3,090
Ecosmart 'Air' Diesel Heating Solar	667	624	£ 1,061	1701	170	76.0%	£ 3,359
Autosmart	761	725	£ 1,232	1974	197	72.1%	£ 3,188
Autosmart Solar	592	573	£ 974	1561	156	77.9%	£ 3,446
Ecosmart MAX	168	151	£ 257	413	41	94.1%	£ 4,163
Ecosmart MAX 'Air' Diesel Heating	93	107	£ 183	293	29	95.8%	£ 4,237
	Fuel Cell Run Hours	Bottles H2 used	H2 Cost £	Local CO₂e KG			
Ecosmart ZERO	505	72	£ 4,327	Zero			- £ 93

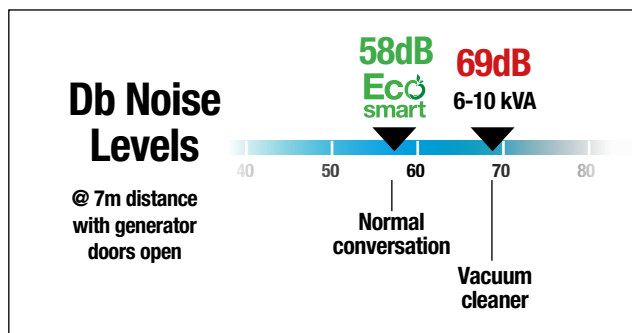
*

Based on 10 hours per day for 260 days, 80 days in winter mode and 180 days in summer mode. Each day is a typical usage day. 6 Persons accommodated.

£1.70p per litre Diesel / HVO
£ 60 per H2 Bottle

Solar panels achieve maximum output in direct sunlight, but they work in normal daylight and cloudy weather too. The amount of power a solar panel or charging kit generates in cloudy weather will be lower compared to direct sunlight. Also the positioning of the cabin will affect the solar charging of the batteries i.e. under trees, etc.

This assessment doesn't take in consideration the usage of the hydraulics
This assessment is guidance only



Award winning welfare Designed & built in the UK

AJC **EasyCabin**

2020 / 21 Winners
THE INTERNATIONAL CSR EXCELLENCE AWARDS
for companies that have a heart

2020 Hire Industry Product Of The Year.
Hire Awards of Excellence



WINNERS 2023

www.easycabin.co.uk

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info@easycabin.co.uk

DESIGNED & BUILT IN THE UK

EasyCabin Head Office & Factory, Unit 10, Cosgrove Way, Luton, Beds, LU1 1XL

FOOTNOTES

As part of our on-going commitment to improvement we reserve the right to alter specifications, designs or figures, without prior notice. All dimensions and weights are approximate.
A full energy presentation is available on request.

Solar panels achieve maximum output in direct sunlight, but they work in normal daylight and cloudy weather too. The amount of solar power generated in cloudy weather will be lower compared to direct sunlight. Also the positioning of the cabin will affect the solar charging of the batteries i.e. under trees, etc.

<https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2023>

v-02/2024