

HS2, Camden & Ruislip

Daily usage, solar charge & hydrogen fuel consumption. Measured from remote telemetry systems.

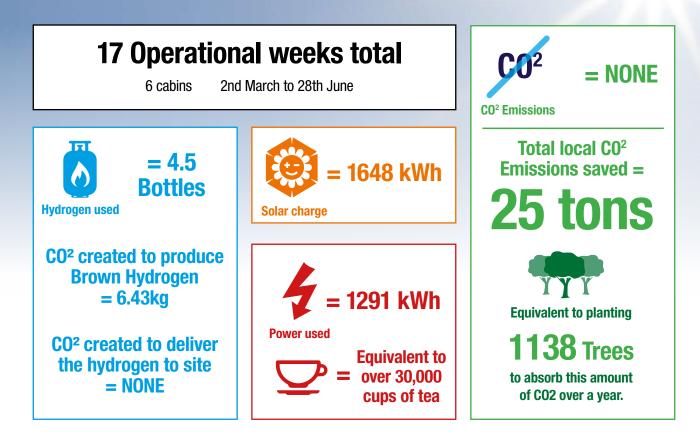








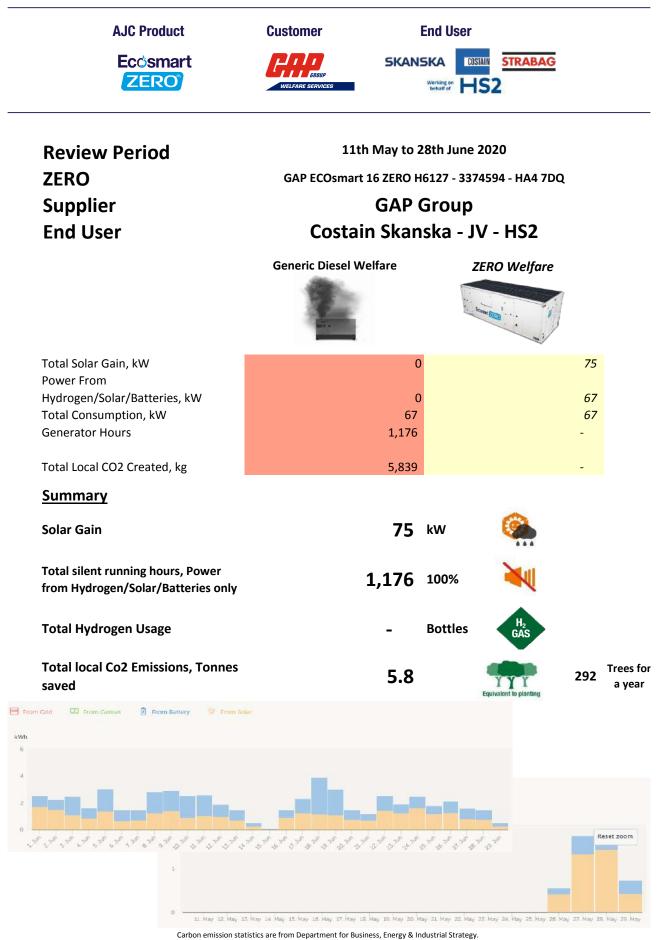
Power usage data







The future of site welfare.

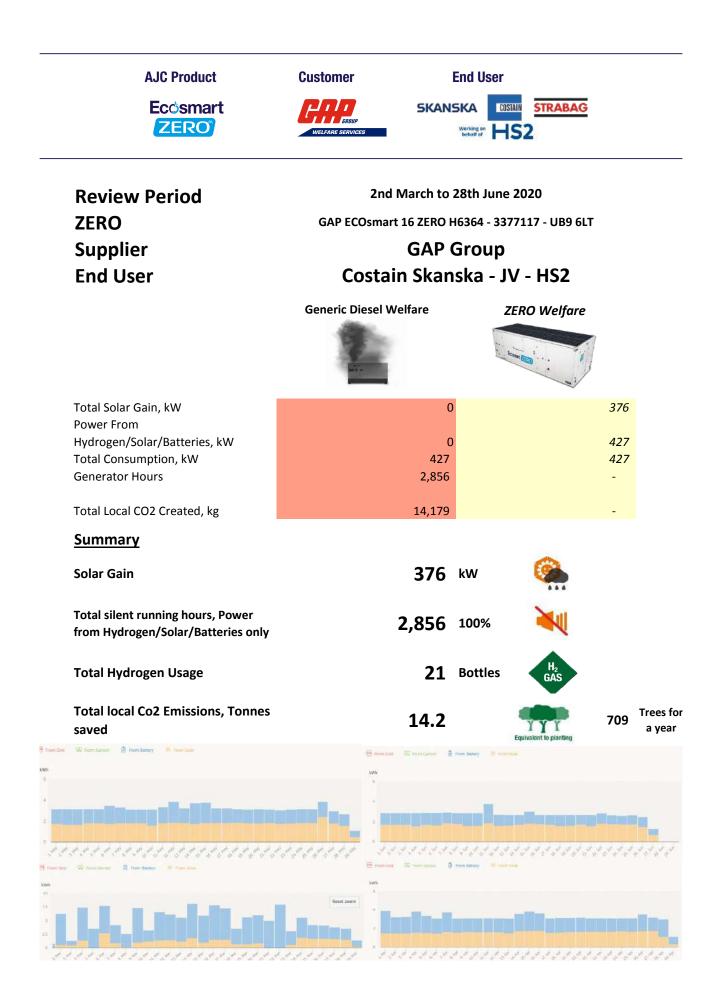


Greenhouse gas reporting: conversion factors 2019. https://www.gov.uk/government/publications/greenhouse-gas-reporting-conversion-factors-2019.

https://www.boilerjuice.com/red-diesel-prices/

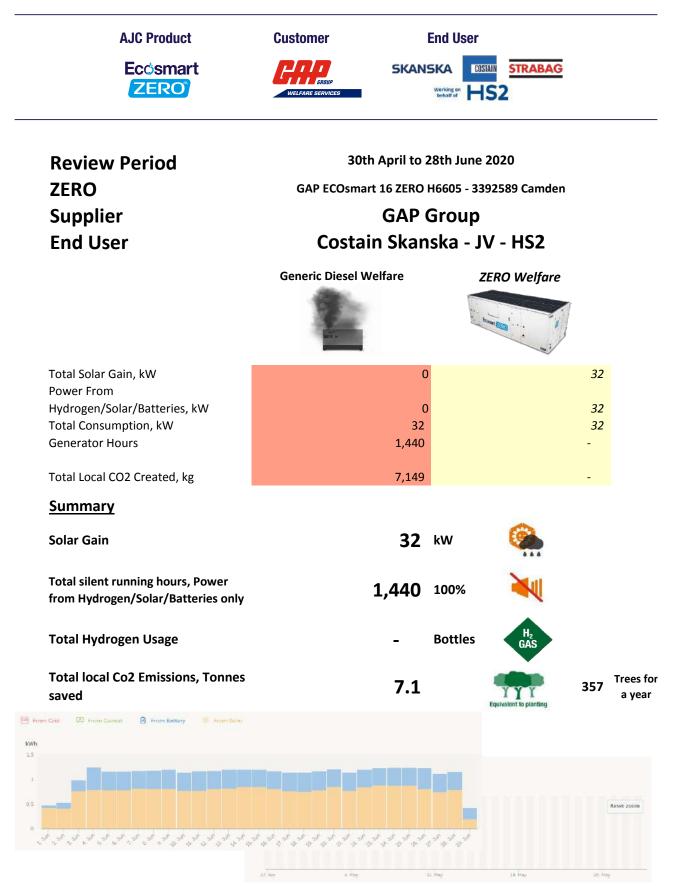






The future of site welfare.

AJC EasyCabin



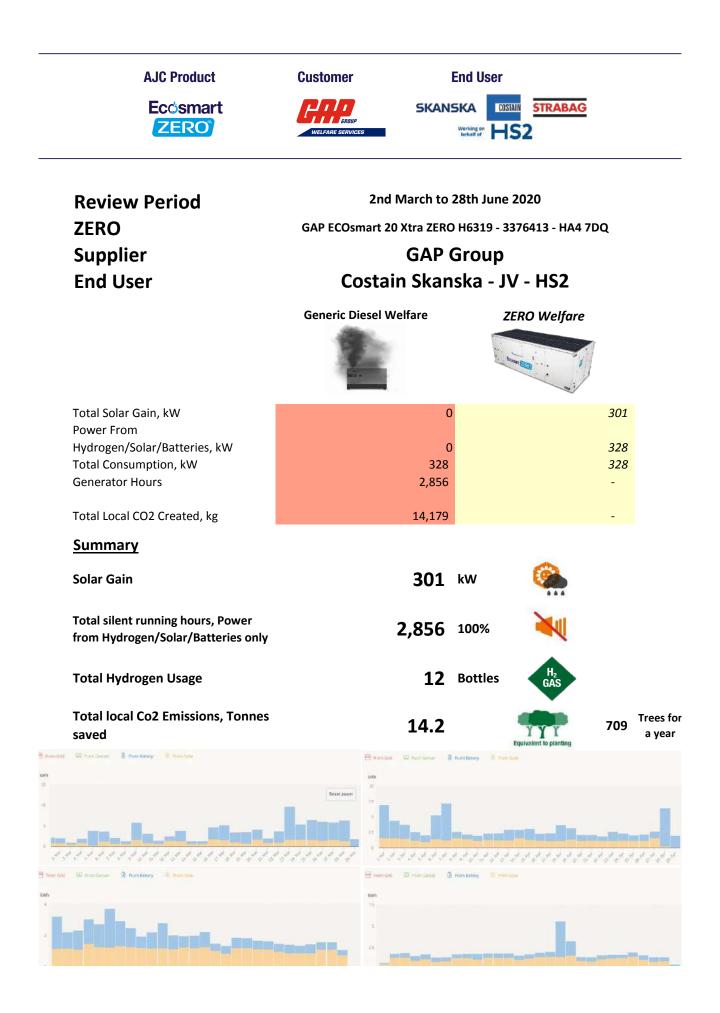
Carbon emission statistics are from Department for Business, Energy & Industrial Strategy.

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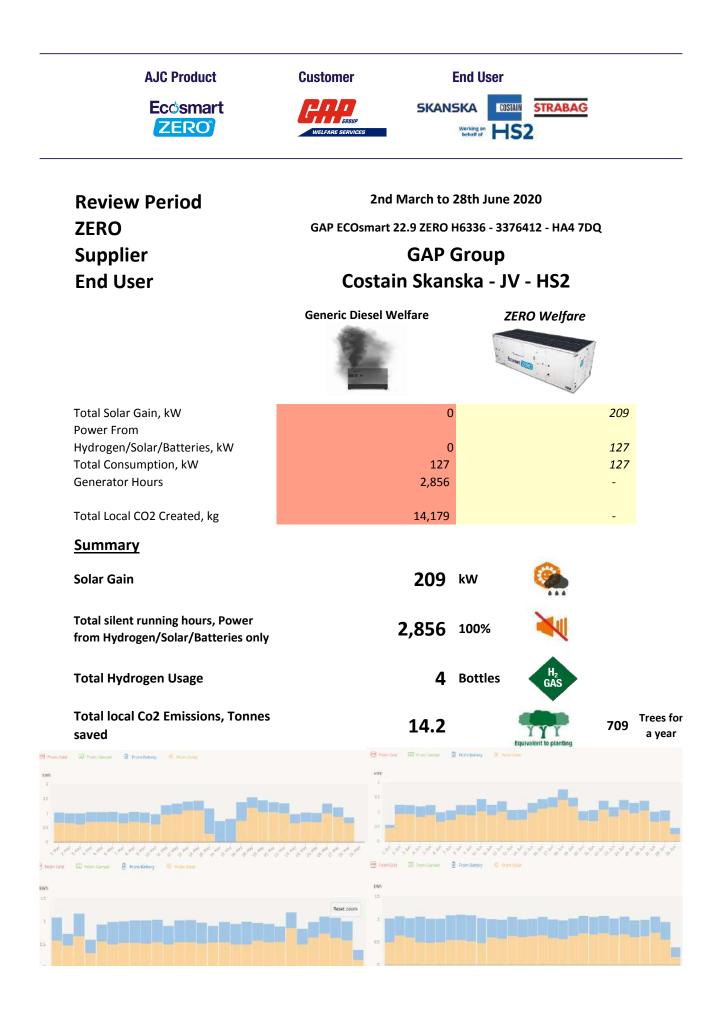






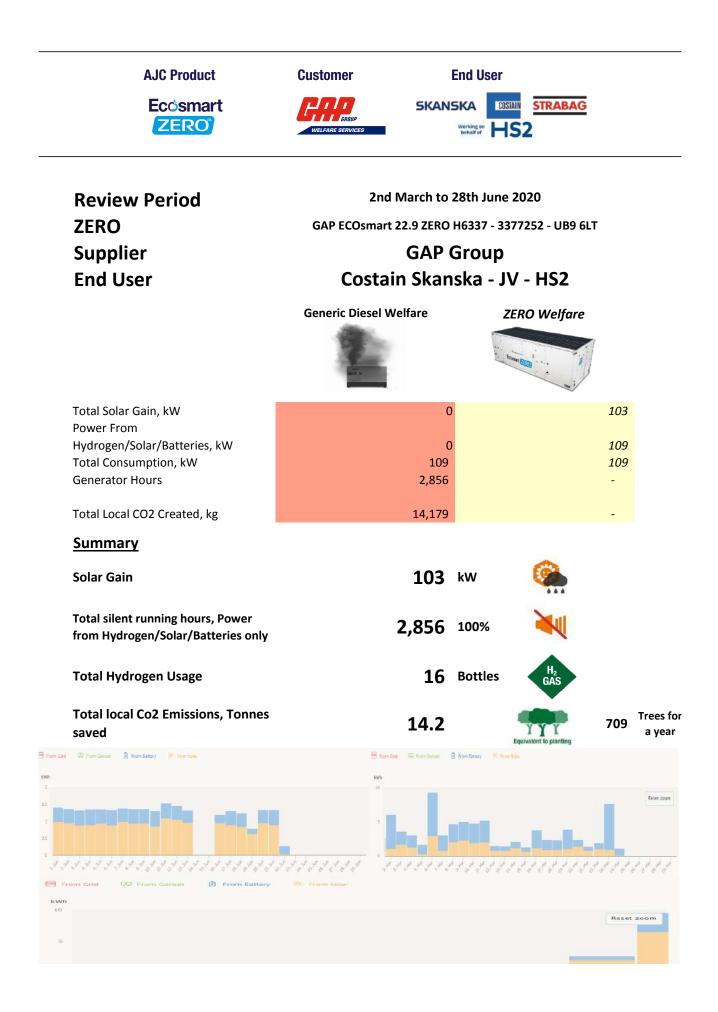
AJC EasyCabin

The future of site welfare.



AJC EasyCabin The

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CASE STUDY

Ecosmart ZERO

Our replacement for traditional diesel power systems, combining solar & hydrogen power to eliminate local carbon emissions.

As a result of winning multiple Green Apple awards, we have been asked by many of our customers to develop site welfare solutions that produce zero emissions at point of use. As a result we have been busy designing, building and testing a new concept, ready for the demands of future CO² reduction targets.

Ecosmart ZERO is the first viable welfare alternative for companies that are working to reduce their carbon footprint and, more importantly, improve the environment for communities in the vicinity of operation.

We have had overwhelming demand from large national hire companies to trial the Ecosmart ZERO with end users in the field. It is important that hydrogen and solar alternative fuel solutions are proven to work and provide the same welfare to outdoor workers as a traditionally powered welfare cabins.

Challenging perceptions

There is a lot of work to do to dispel myths and misconceptions of hydrogen power. It's been a proven power source in industry for decades. More hydrogen powered machines leads to lower hydrogen prices and cleaner air.

Solar panels are also a hot topic in the welfare industry. Myths that solar panels cannot cope with the power draw needed to run a welfare cabin, are untrue. Solar panels used with our patented power management systems, can run the unit without the need of the fuel cell or any other power source (free energy!)

This 6 week long field test proves the power of solar when used with our power management systems.



Working in partnership



Intelligent Energy is a worldleading fuel cell engineering company focused on the development, manufacture and commercialisation of its Proton Exchange Membrane (PEM) fuel cell products, for customers in the automotive, stationary power and Unmanned Aerial Vehicle (UAV) sectors. Fuel cells are used in multiple applications, where clean, lightweight, high efficiency and cost-effective power is required.

Intelligent Energy's 800 Series Fuel Cell Modules are used in the Ecosmart ZERO and they are suitable for a wide variety of offgrid applications.



