Carbon monitoring and reduction is a key performance indicator on the scheme. The project team has procured several 'Zero Carbon' welfare units from GAP as an alternative to the traditional diesel powered units. As well lowering the project carbon footprint , use of the cabins helps to improve air quality in the vicinity of the welfare units and they also produce less noise.

The cabins are manufactured by AJC Easy Cabin and include Solar PV panels and hydrogen fuel cell technology. These zero carbon in use power sources in conjunction with a power management system and battery bank storage mean the unit is the first of its kind. Power to run the heating, sockets, kettle and microwave comes instantly from the battery bank and when relocating the cabin the battery power can also be used. Due to the solar panel coverage the cabins have been proven to us NO hydrogen on a short sunny winters day.

So far, the cabins have been on site 3 weeks and used no hydrogen meaning they are running completely on solar power

Key Benefits

- Reduced carbon footprint
- Reduced fossil fuel consumption - 150 litres per week of fuel saved
- Improvement in local Air Quality
- Delighted client

Project Name	**M62 10-12 Smart Motorway**
Date	July 2019
Type	Carbon Reduction / Air Quality
Cost to Project	Gap Hire Costs
Organisations Involved	BMJV Environment & Procurement Teams

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