



COOLING HIRE SOLUTION FOR THE CARS OF THE FUTURE



The Challenge

A major global car manufacturer needed an effective cool storage system to protect the delicate electrolyte that's essential for car battery performance and ICS Cool Energy's cold store provided exactly that. In fact the customer was so satisfied with the trial that the hire contract turned into an order for a permanent, purpose-built modular cold store.



Phill Ayres,
Senior Sales
Engineer, Hire

"Our cold store provided a solution while the permanent store was in production and it meant this customer was able to meet the booming demand for the new cars without delay."

WE MAKE IT WORK

The Solution

The acclaimed global car manufacturer which has major production facilities in the UK called in ICS Cool Energy to propose a cool storage solution to protect the delicate electrolyte used in the batteries of a new car model.

Electrolyte liquid is used for the transfer of negative and positive ions within the battery cell and easily lose performance when they are not stored at a temperature of between 0°C and 10°C before introduction into the battery.

ICS Cool Energy's hire team proposed, delivered and installed a cold store to enable closely monitored trials over a six months period.

The cold stores are widely used throughout industry with systems ranging from custom-sized, modular, insulated refrigeration rooms to the provision of temporary buildings with complete temperature controlled ambient cooling or heating.



The Result

Following a six month trial with regular testing of the electrolyte conditions and a full review with the customer, a longer term capital purchase equipment solution was needed. ICS Cool Energy's design teams developed a purpose-built modular cold store to meet the customer's precise needs.

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