

CES POWER

CASE STUDY: BACKLOT POWER FOR FILM

The challenge

Our customer needed continuous 24/7 power support across their site which included backlot stage areas, and multiple workshop spaces for their production teams. They also needed heating and cooling for several accommodation units to ensure their teams were kept safe and comfortable. When building the solution we needed to keep a keen eye on sustainability to help the customer reach their own targets around noise and emission reductions.

The solution

The original 500kVA Stage V requirement was scaled down to a more efficient hybrid setup, consisting of 2x 150kVA Stage V Whisper Quiet generators operating on a load-on-demand basis, supported by 1x 318kVA / 422kWh BESS unit.

The integration of the BESS allowed for improved load management, reduced generator run time, and greater overall fuel efficiency while maintaining a stable and reliable silent power supply.

Maximising power,
minimising emissions for
the UK's film industry



The results

538

Runtime Hours Saved
(40%)

15,062

Litres of
Fuel Savings

49,000

kg of Carbon Savings
(49T)

£24,852+

Commercial
Savings

The customer got the power and temperature solutions they needed, all whilst reducing emissions, fuel usage, and saving on costs

