



GreenPowerHire

200kVA Crane Aviation Light Hybrid Power Solution

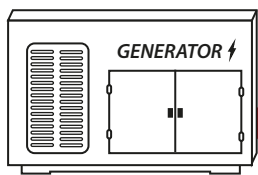
Below is an example of a hybrid power solution combining a 200kVa diesel generator with one of our 45kVa 45kWh battery storage systems.

In this example we are running the generator to power the crane directly between the hours of 7am - 6pm Monday - Friday and Saturday 8am - 2pm. The battery controls the generator automatically based on these site operating times but outside of these hours the battery keeps power to the crane aviation light and hydraulic fluid heaters on the crane. This solution delivers a reduction in generator run time of almost 64%.

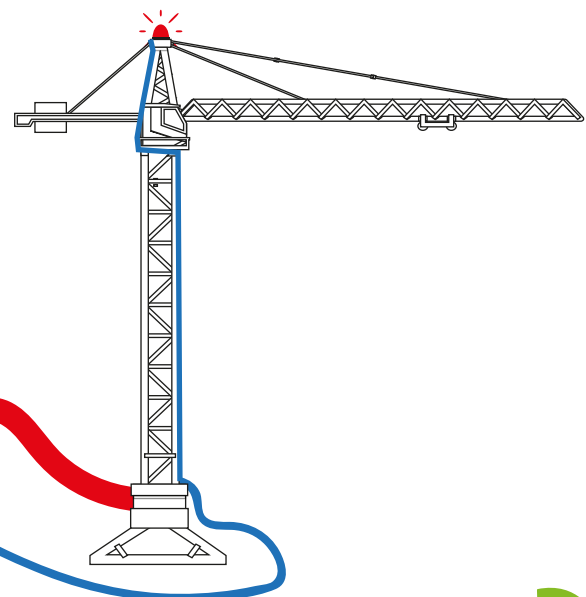
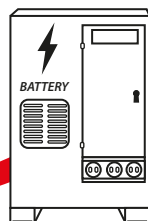
As you can see the generator has 2 outputs, the first is connected directly to the crane powering it directly all day. When the generator is turned off power to the crane is automatically lost.

The second generator output is connected to the battery system which feeds the essential overnight loads such as the crane aviation light. Although the battery requirement is small we are delivering a huge reduction in generator run time.

Generator Size: 200kVa



Battery Size: 45kVA 45kWh



*Figures based on a 28 day period

28 Day Savings



Fuel Consumption reduced by

10,169L



Total CO2e emissions cut by over

32.09T



Total percentage of silent hours

64%

GREEN POWER HIRE

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