



aggreko

# Hybrid power for freeway construction

## CUSTOMER

Ausco Modular

## LOCATION

Melbourne, Australia

## SECTOR

Construction

## KEY FACTS

4

Diesel generators  
(30 kVA to 125 kVA)

4

Battery storage units  
(30 kVA to 90 kVA)

**71,236 Litres**

Of fuel saved

**190,912 kg**

Of CO2 saved

## THE CHALLENGE

### Efficient power across a wide area

During the construction of a freeway, Ausco needed temporary power for facilities such as traffic lights and modular site buildings that were not connected to the grid.

As they were carrying out the construction work in a residential area, they also needed to minimise noise as much as possible. Having worked with Aggreko for a number

of years, Ausco asked us to provide a solution that would deliver all the power they needed in the most efficient and environmentally friendly way while ensuring that the construction project could be completed on time.

## THE SOLUTION

### Right-sized hybrid power for four locations

We designed a hybrid power system that involved the installation of both diesel generators and battery storage units at four separate locations across the freeway construction area.

These units were sized according to the power needs of each site, with generators ranging from 30 kVA to 125

kVA in capacity and batteries ranging from 30 kVA to 90 kVA.

This allowed Ausco to rely on battery power as much as possible, only using the generators when there was a high power demand or when the batteries needed recharging.

## THE AGGREKO DIFFERENCE

### Efficient hybrid power for major construction projects

## THE IMPACT

### Notable fuel savings and reduced CO2 emissions

By quickly installing the generators and batteries at each site we ensured that Ausco had all the power needed to keep the construction of the freeway on track.

Thanks to the batteries, generator use was dramatically reduced, keeping noise to a minimum as well as delivering significant savings in terms of both fuel costs and carbon dioxide emissions.

Across the four sites, Ausco saved a total of 71,236 litres of fuel and produced 190,912 kg fewer CO2 emissions than if the generators had been providing all the power.



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