



No Three-Phase, No Problem.

Situation

With an 8-storey apartment complex needing to start construction, but the project being held up because of noise restrictions and no access to 3-phase site power, Kalmar Construction was under pressure to find a solution to power their tower crane and the site power.

Available on-site power source

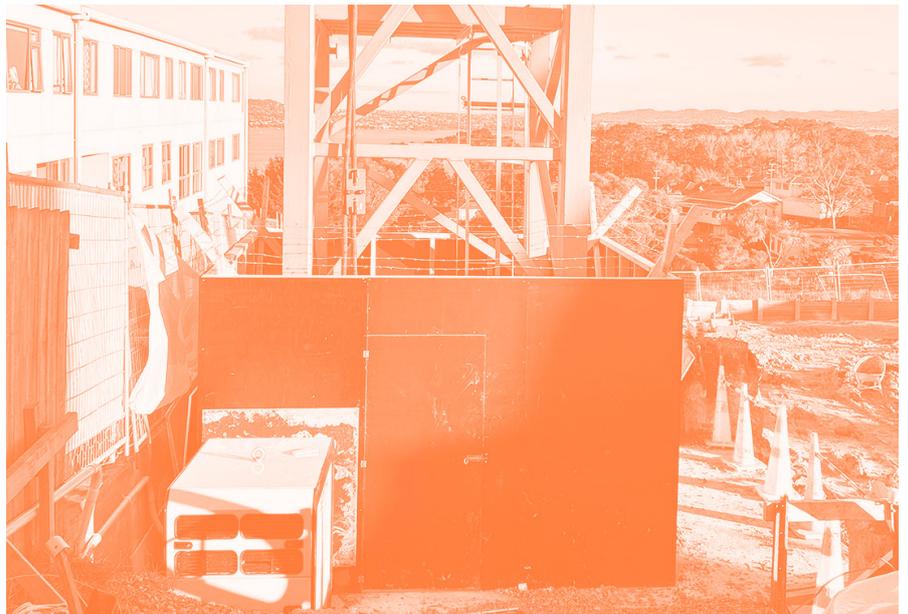
**Single
Phase**

Load requirements

**265kVa
Crane
+ Site
Power**

Peak Output

**300kVA
from
a 32A
Single Phase**



The Liebherr 542HC-L Luffing crane, on rent from SMITH Cranes, needed a maximum of 265kVA of peak-power available for the crane, but because the site only had single-phase power available, they believed the E-Gen300 battery system wasn't going to provide a solution.

After contacting us, SMITH Cranes purchased the E-Gen300, which has both single-phase and 3-phase input charging, and 300kVA of peak-power, making it the perfect solution for this job.

Location	8-story apartment building, Birkenhead, NZ.
Site Operator	Smiths Cranes & Kalmar
Power Requirement	265kVA Crane + General site power
Crane Type	Liebherr 542HC-L Luffing Crane
Input Feed	32A, 230V, single-phase
CP Battery Model	E-Gen300
Build Date	2025