CranePower Case Study

HALO Tower
Brisbane, Australia

# Stacking 34-storeys onto 1,822m² with just 300kVA

Situation

**A dense site in prime central Brisbane real estate with major space, access and traffic constraints, all powered by an E-Gen300 from the basement.**

Powering a 1822m² site with

## 1.33m³ E-Gen300 footprint

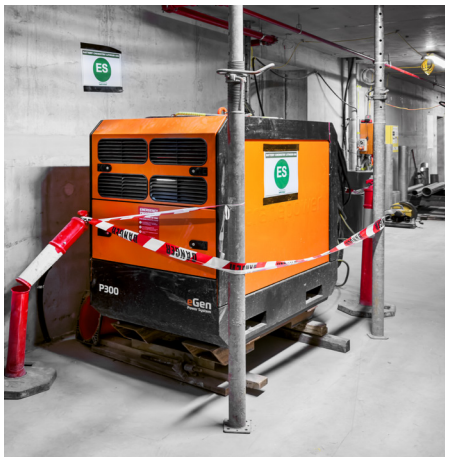
Available on-site power

## 32A three-phase mains

Operational time

## 4358h 100% uptime






On a small block in central Brisbane, Hutchinson Builders is tackling one of South Brisbane's most closely watched developments—a 121.5m tall cylindrical cluster tower comprising of 286 one, two and three-bedroom apartments.

Several other significant projects are ongoing on adjacent lots. This dense volume of builds has necessitated continuous traffic management on the already busy inner-city road, creating a space premium for access and equipment.

Rather than larger containerised power systems situated on the roadside, Hutchinson installed an E-Gen300 in the basement of the building, made possible by the unit's size—a 10th of a 10-foot containerised alternative.

Situating the unit in the basement prevents tampering and removes the risk of damage from heavy delivery vehicles and the public using the road outside.

When it comes time to remove the unit, it can easily be maneuvered using a trolley jack and picked up by a forklift or telehandler and placed on the bed of a small truck.

The E-Gen300 currently powers a Moritsch RTL325A luffing crane and two Pega 28–37 hoists, typically calling for over 400kVA. Despite power peaks of 218kW and 388A, the unit has maintained an average state of charge of 79.4% with an uptime of 100%.

| | |
|---|---|
| Project | HALO Tower |
| Construction company | Hutchinson Builders |
| Location | South Brisbane, Queensland, Australia |
| Project start | April 2026 |
| Site loads | Moritsch RTL325A<br>2x Pega 28–37 hoists |
| Input feed | 32A three-phase mains supply |
| Power requirement | 400kVA |
| Battery system | E-Gen300 owned by Hutchinson Builders |

For more information contact us at—
info@cranepower.com

# By the numbers

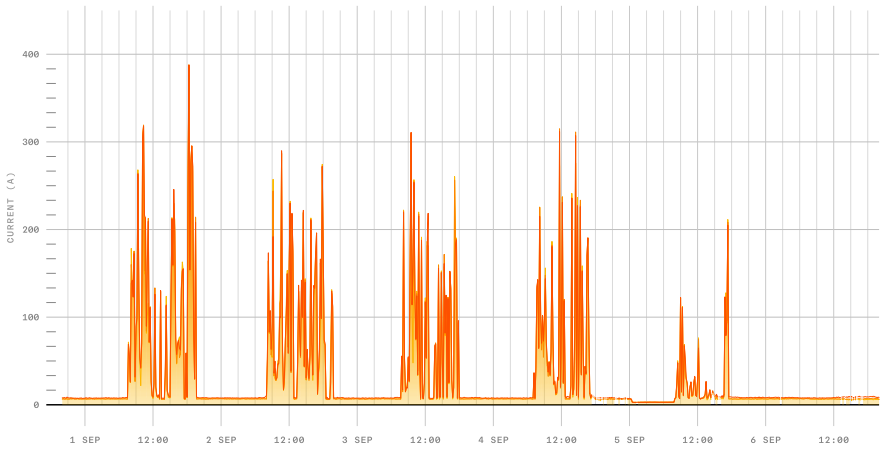
Summary

**Powered by a 32A main supply, a single E-Gen300 delivered power to the crane and two hoists with 100% uptime.**

Peak current

## 388A

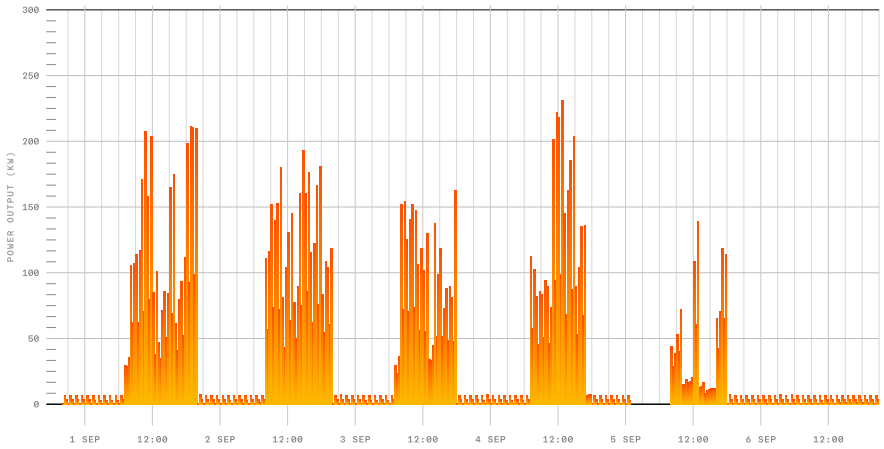
Peak current outputs delivered by the E-Gen300 were 12x higher than the 32A mains supply.




Peak power

## 218kW

The E-Gen300 output several peak power loads over 200kW, up to 72% of the units rated 300kVA.




SoC

## 79.4%

The E-Gen300 maintained a consistently high average SoC under heavy loads.

