



# Three Cranes One CP300

**Situation**

The original plan for this site was to put a 200kVA generator on each of the three cranes, but SMITH cranes suggested the site uses a single CP300 as a solution to powering all three cranes instead.

**Power Required**

**3 Cranes  
1 CP300**

**Uptime**

**100% for over  
12 months**

**Power Availability Required**

**24/7 including  
weeknights  
and weekends**



With 32A input feed into the CP300, and an output feed of 440A to a switch board, the CP300 was able to power all three cranes from the distribution board. For over 12 months, the CP300 has powered all three cranes with zero downtime, barely dropping below 70% on the busiest day.

A further benefit of the CP300 over diesel generators was the 24/7 availability of power. The generators are unable to be used during night times or weekends, which would have caused the cranes to lose power during these times, meaning safety lights wouldn't work.

Location	Large data centre, Hobsonville Point, Auckland, NZ
Site Operator	SMITHS Cranes & Built
Power Requirement	432kVA
Crane Type	3x COMANSA 21CM1100 – 144kVA
Input Feed	32A, 400V 3-phase
Build Date	2024