

### Project Information

- ❖ **Contractor:** Gammon Construction (Hong Kong)
- ❖ **Project Name:** Central Kowloon Route, Kai Tak West Section (Ma Tau Kok work front)
- ❖ **Project Type:** Foundation (cut-and-cover tunnel by temporary reclamation)
- ❖ **Existing Utility Power Supply:** 300 amps
- ❖ **Delivery Date:** January 2020
- ❖ **Model:** 300 kVA Enertainer
- ❖ **Load:** Desander (x 1) + water pumps (x 6) + 500 amp arc welders (x 2)



### Site Setup



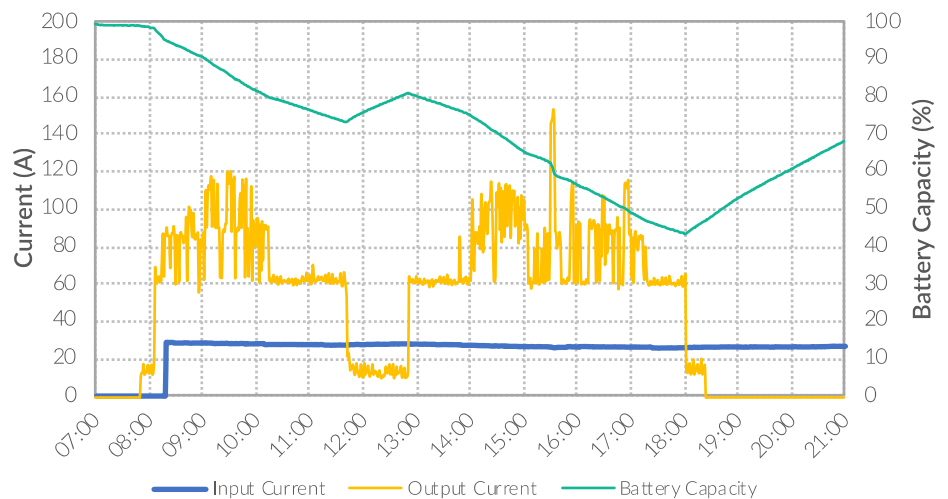
Connection between the utility mains, Enertainer and the loads.

### Results

- 50% lower OPEX<sup>1</sup> (vs. a 200/220 kVA generator)
- 56% CO<sub>2</sub> footprint reduction<sup>2</sup> (vs. a 200/220 kVA generator)

*“The Enertainer has been excellent for productivity at our site, as it requires virtually no user operation, recharges itself automatically and has required no maintenance. Additionally, the data provided by the Enertainer has given us new insights into the operations at our site. We are looking forward to new developments of Ampd’s data platform and how these can be used to further enhance site operations in the future”*

**Dennis Lee, (Senior Project Manager, Kai Tak West Project), Gammon Construction**



Performance metrics for the Enertainer at the Central Kowloon Route project on 15 February 2020, one of the busiest days for the loads at the site.

<sup>1</sup>Assuming a wholesale market diesel price of HK\$5.50 (US\$0.71 per litre). <sup>2</sup>Assuming an energy intensity of 0.51 kg<sub>CO2</sub> per kWh (Source: Response to the Long-Term Decarbonisation Strategy Public Engagement, CLP (September 2019).