CASE STUDY

Enertainer for Sobha Hartland II Residential Project

Bu kadra, Ras al khor, UAE

Introduction & Project Information

- **Main Contractor:** Sobha Constructions
- **Project location:** Bu kadra, Ras al khor, United Arab Emirates
- **Project type:** Construction
- **Delivery date:** Nov 2024
- **Loads:** 4 Tower cranes
- **Enertainer Model:** Enertainer M+
- **Input current to the Enertainer**: 70 amps

Site Setup

Figure 1. 'Block' diagram of the connection between the Diesel Generator, Enertainer and the loads

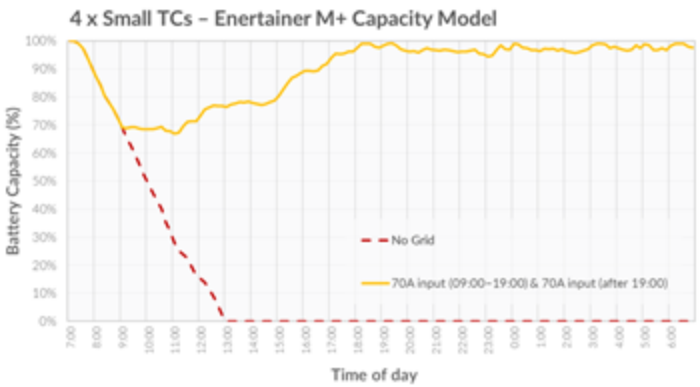

Figure 2. Battery capacity variation throughout the day

Results

"By adopting our innovative energy storage system, Sobha have significantly reduced their carbon footprint and operational costs, contributing to broader efforts to minimize emissions and improve resource efficiency. Sobha's collaboration underscores our dedication to integrating sustainable technologies across heavy industries and achieving meaningful progress toward carbon reduction"

Rafat Awad – Head of Sales GCC Ampd Energy

- 354 tonnes CO_2 reduction per year[1] (72% reduction)
  (vs. 2 X 350 kVA generator)
- AED 330,982 yearly savings in operating cost[2] (72% reduction)

[1] Assuming a CO_2 emission intensity of 2.64 kg per litre.
[2] Fuel consumption and rental costs of both Enertainer and Diesel Generators were provided by Sobha.

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