

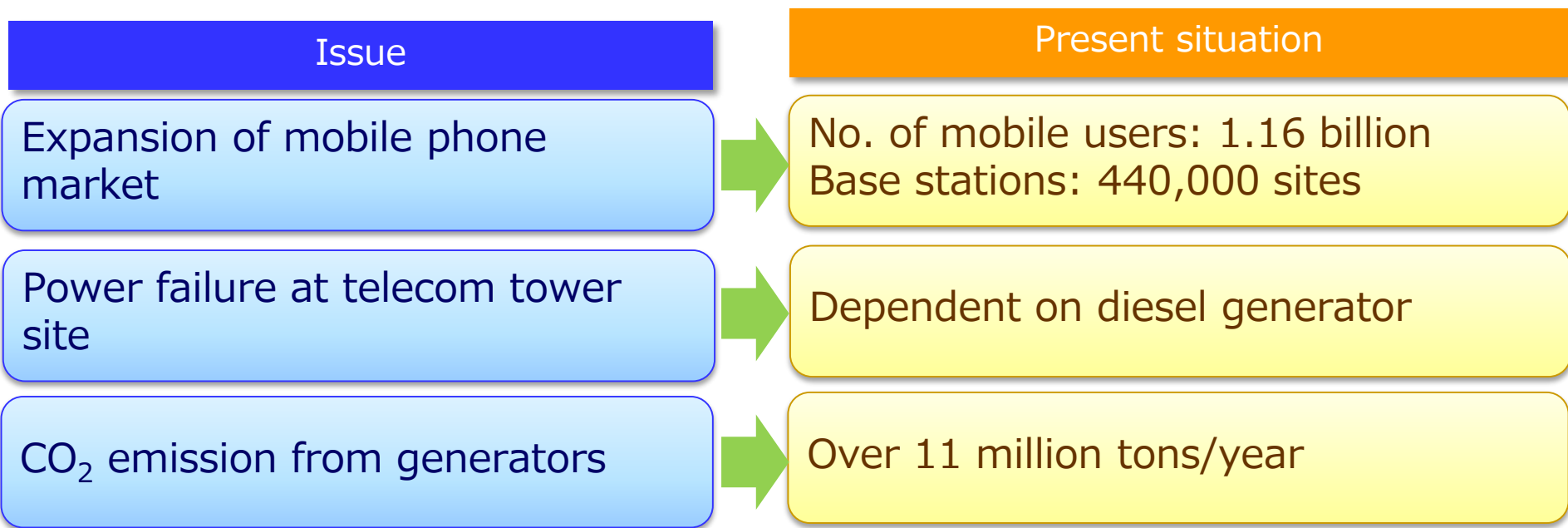
Energy Management System for Telecom Tower Sites

NEC Corporation

* Result of the demonstration project performed by NEC under the contract with the New Energy and Industrial Technology Development Organization (NEDO) is utilized for this Energy Management System for Telecom Tower Sites.

EMS for Telecom Tower Sites in India

Issues facing in India: Rapid increase in electricity demand due to economic development



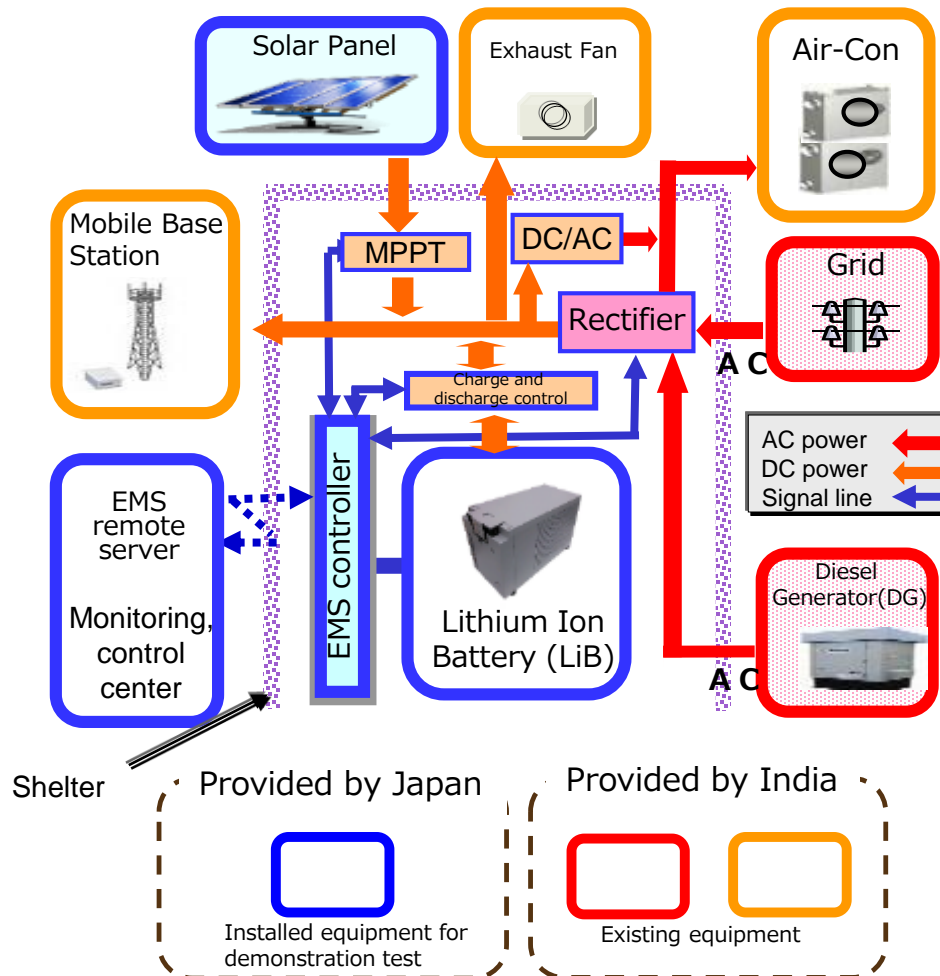
Solution

Install Solar Power + Lithium Ion Battery and use Prediction Technology to reduce the operation time of diesel generator.

Reduce CO₂ emission with NEC's EMS solution

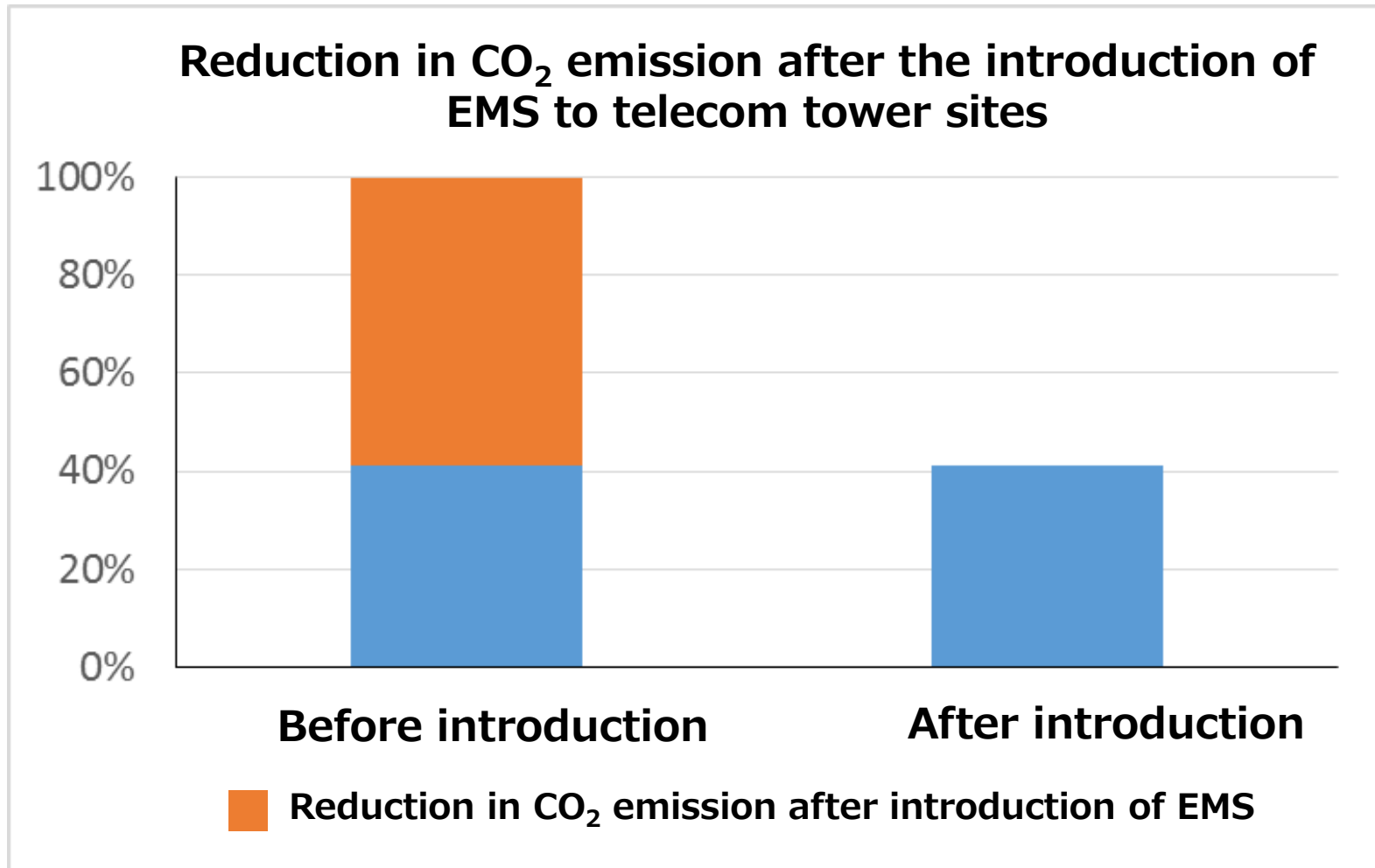
Summary of EMS at Telecom Tower Site

Solar Panel and Lithium Ion Battery have been installed at existing telecom tower sites, which are managed by EMS.



CO₂ Reduction after EMS introduction to telecom tower sites in India

The introduction of EMS resulted in 59% reduction of CO₂ emission.



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