

Nairobi communication base station battery environmental assessment

In this study, we pioneer to examine the economic and environmental feasibility of secondary use of EV LIBs in the communication base stations (CBS) for load shifting.

Repurposing spent batteries in communication base stations (CBSs) is a promising option to dispose massive spent lithium-ion batteries (LIBs) from electric vehicles (EVs), yet the ...

join the E-mobility transition. During the partnership funding period, ChargeUp! plans to establish a network of 45 operational battery charging and swapping stations in Nairobi and complete a baseline ...

In recognition of this joint mandate a Memorandum of Understanding (MoU) between the Authority and the National Environmental and Management Authority (NEMA) was ratified in 2011 to facilitate ...

The study was to carry out a comparative analysis of the energy consumption in the Base Transceiver Stations segment of telecommunications network. A case study was carried out at Safaricom Ltd ...

Environmental Impact Assessment (EIA) is a critical examination of the effects of a project on the environment. An EIA identifies both negative and positive impacts of any development activity or ...

This study examines the environmental and economic feasibility of using repurposed spent electric vehicle (EV) lithium-ion batteries (LIBs) in the ESS of communication base stations ...

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To analyze the comprehensive environmental impact, 11 lithium-ion battery packs composed of different materials were selected as the research object.

This study conducts a comparative assessment of the environmental impact of new and cascaded LFP batteries applied in communication base stations using a life cycle assessment method.



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