

Intelligent power distribution box in Democratic Republic of Congo





Overview

The "Kim Box" is displayed as a versatile technological device, capable of effectively regulating electricity in different types of buildings. Its integration with web and mobile applications allows remote control, as well as essential data collection such as temperature and humidity. On September 18, 2025, Congolese innovation was highlighted with the launch of the "Kim Box", an intelligent electric loge developed by Kim Engineering, a company led by the engineer Prisca Makila Biakong. This event, which brought together various members of the Government of the Democratic. The findings, interpretations, and conclusions expressed in this work do not necessarily reflect the views of The World Bank, its Board of Executive Directors, or the governments they represent. The electricity supply in the Democratic Republic of the Congo is unreliable and does not cover demand.



Intelligent power distribution box in Democratic Republic of Congo

Democratic Republic of the Congo (DRC)

However, the rural and urban areas of Democratic Republic of Congo (DRC) suffer majorly from lack of access to electricity. The major reasons are the high costs

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Industrial Power Supply Solutions for Africa: Intelligent

Facing unstable power grids in Africa? This article explores intelligent multi-power switching systems for factories, featuring a real 5-channel Congo

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PATHWAYS TO ENERGY TRANSITION Democratic Republic of the Congo

The Democratic Republic of the Congo (DRC) intends to conditionally reduce its greenhouse gas (GHG) emissions by at least 21% by 2030.2 While the DRC has historically been a low emitter, the country's

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World Bank Document

The main priority for the Democratic Republic of Congo's power sector is to increase access to electricity. The Democratic Republic of Congo is a large country with 10 million households of which

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Democratic Republic of the Congo

Democratic Republic of the Congo has 76 power plants totalling 3,289 MW and 8,172 km of power lines mapped on OpenStreetMap.



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Democratic Republic of the Congo

Access to electricity remains extremely low--around one in ten Congolese has reliable power. Yet DRC possesses enormous energy potential. The Congo River could generate more than

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Democratic Republic of the Congo Energy Outlook

In the AC, Democratic Republic of the Congo supports an economy six-times larger than today's with only 35% more energy by diversifying its energy

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Energy Storage Battery Solutions for Democratic Congo:



As Congo's energy transition accelerates, choosing the right storage partner makes all the difference. Whether you're powering a remote mine or stabilizing a city grid, modern battery solutions offer

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Democratic Republic of the Congo , Where we work , Global Energy

Democratic Republic of the Congo Accelerating deployment of private-sector-led urban and peri-urban solar metro grids to help realize the

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ENERGY PROFILE Democratic Republic of the Congo

Onshore wind: Potential wind power density (W/m²) is shown in the seven classes used by NREL, measured at a height of 100m. The bar chart shows the distribution of the country's land area in each



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Electricity: An essential engine for development in the Democratic

TheWorldBankGroup'sInternationalDevelopmentAssociation(IDA)-financedElectricity Access & Services Expansion Project (EASE) Project started in 2018 and has provided electricity to more than 3 million people in the Democratic Republic of Congo (DRC). The EASE Project comprised two major

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Reliable electricity supply thanks to digitalisation

On behalf of the German Federal Government, KfW has financed the rehabilitation of the substation by the state energy supplier SNEL. This will help make the electricity supply in the DRC

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Power infrastructure in DR Congo - September 2020

Revised in September 2020, this map provides a detailed overview of the power sector in the Democratic Republic of Congo. The locations of power generation

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Paper Title (use style: paper title)

Abstract--Historically, the national electric utility company (SNEL) had a monopoly in the electricity sector which prevented private companies from participating in the sector in the Democratic Republic

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Congo Democratic Republic , Africa Energy Portal

The energy sector has the largest natural potential in Africa and needs to strengthen its role as a driving force in the structural transformation process. The Democratic Republic



of Congo (DRC)'s national

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Congo, Republic of the

Overview The Republic of the Congo's energy sector is ripe for investment. The absence of reliable power grids and adequate electrical distribution has a dampening effect on investment and

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Democratic Republic of the Congo

The Democratic Republic of Congo& nbsp;has huge hydropower potential while also dealing with extreme energy poverty. Foreign investors are currently partially

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Launch of the Kim Box in the Democratic Republic of Congo: a

On September 18, 2025, Congolese innovation was highlighted with the launch of the "Kim Box", an intelligent electric loge developed by Kim Engineering, a company led by the engineer Prisca Makila

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DR Congo: Power Output Keeps Rising but Key Issues

Between 2023 and 2024, power output in the Democratic Republic of Congo (DRC) rose by 303.1 gigawatt-hours (GWh) or 3.04%. According to the country's power

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Electrification tool for the DR Congo

The project's approach is deliberately centered on providing power to households, enterprises, and public services through a mix of centralized and decentralized solutions. The tool will thus enable



OVERVIEW OF THE ELECTRICITY SECTOR IN THE DEMOCRATIC

The development of hydropotential of Inga is considered as a sustainable solution to the problem of power deficit for many countries in the SADC region and in all the African continent.

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RDC : lancement officiel de la "Kim-Box", une innovation du

La société Kim Engineering, dirigée par madame Prisca Makila Biakong, a dévoilé, jeudi 18 septembre à l'hôtel Rotana, la « Kim-Box », une logette électrique intelligente made in RDC

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Congo, Dem. Rep. Electricity Transmission Network

Data for medium and high voltage transmission lines in Congo, Dem. Rep.. The data were compiled for the AICD study led by the World Bank. A variety of sources were consulted,

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DR Congo electricity infrastructure map shows country's

A small chart shows installed, available and annual peak power capacity over the period 2020-2022. Existing and future transmission and distribution lines are

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Democratic Republic of the Congo

The Democratic Republic of Congo has huge hydropower potential while also dealing with extreme energy poverty. Foreign investors are currently partially lifting constraints on the country's

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Industrial Power Supply Solutions for Africa: Intelligent

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