

## European Solar and Energy Storage Solutions

# Community batteries DR Congo



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### Collaborative efforts essential for building a sustainable battery

Building a strong battery metals ecosystem in the Democratic Republic of the Congo (DRC) hinges on effective collaboration among all stakeholders, ultimately benefiting the African continent. This was a key message at the opening of the DRC-Africa Battery Metals Forum in Kinshasa this week.

### STEM DRC Initiative

Imagine the Social and Economic Impact Of 700 New STEM Professionals Working in Cities and Industries Throughout the DR Congo. Our Graduates Will Create Technical, Social, and Economic Progress For The Nation! Lives Will Be Changed For Generations By Improvements in Electrification, Farming, Health Care, Industry, Education & More.



### À Propos - CCB

The Democratic Republic of Congo is at the center of this energy transition, with its large reserve of natural resources necessary for the manufacture of various batteries. The Congolese Battery Council is a public institution that was created for the purpose of setting up, promoting and managing a value chain for the minerals used in the

## DR Congo's Lithium Reserves

Explore DR Congo's Lithium Reserves: A Hidden Gem in the Global Battery Market. Discover how these untapped resources could revolutionize the future of energy and technology, positioning the DRC as a key player in the sustainable energy landscape.



## DR Congo is the world's largest producer of cobalt

Today, DR Congo cobalt is shipped to China, which accounts for 65 percent of all global cobalt processing into cathodes for lithium ion batteries (rechargeable batteries). China is also the world's biggest producer of these batteries and dominates the electric vehicle industry.

## Australia's community batteries: definitions and value

The financial aspect of community batteries. Although the financial aspect and benefits of installing community batteries could bring, especially when pooling together rooftop solar PV resources in the local vicinity, Matthew Charles-Jones, president of Totally Renewable Yackandandah, a volunteer-run renewable energy group based in Victoria



## DR CONGO OFFICIALLY JOINS EAST AFRICAN COMMUNITY (EAC)

Faith Nyasuguta The Democratic Republic of Congo (DRC) has joined the East African Community (EAC) today, March 29 in a bid to



boost trade, social cohesion and security. The nation was officially admitted to the regional bloc during a virtual extraordinary summit of EAC heads of state chaired by Kenyan President Uhuru Kenyatta. DRC will

## CCB - Conseil Congolais de la Batterie

Discover the latest information on the management of the electric battery value chain in the Democratic Republic of Congo. On 17 July 2024, the Minister for Industry, SMEs and SMIs, Mr Louis Kabamba Watum, visited the CCB's general management.



## All you need to know about community batteries

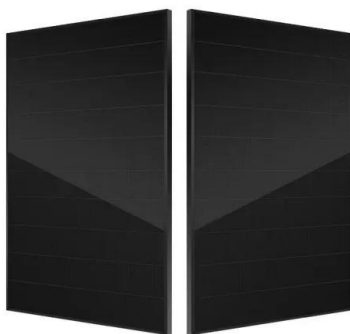
There are community battery projects owned by the community, or where the community has a role in development, or where the benefits go to the community. But these mid-scale batteries are often owned by power networks. Dr Scott Dwyer is a Research Director at the Institute for Sustainable Futures (ISF) at the University of Technology Sydney

## Ej Atlas

In the Democratic Republic of the Congo industrial mining of cobalt and copper for rechargeable batteries is leading to grievous human rights abuses. The expansion of industrial-scale cobalt and copper mines in the Democratic Republic of the Congo (DRC) has led to the

forced eviction of entire communities including sexual assault, arson and

**Applications**

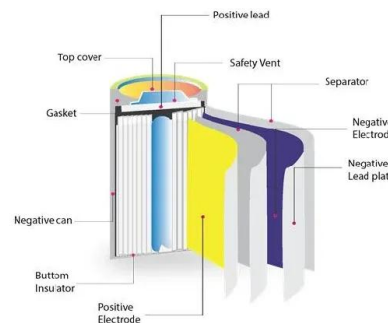


**DR Congo: Cobalt Institute: "The development of a local battery ..."**

The DRC-Africa Battery Metals Forum is an important convening to further the vision to develop a local battery value chain in the DRC and to bring more prosperity to the Congolese people. It can help ensure that the green transition is one that is just and one that everyone can benefit from in an equitable way.

**Cobalt powers our lives. What is it--and why is it so controversial?**

The silvery blue metal is used to make lithium-ion batteries that supply energy to everything from cars to e-cigarettes. It's also toxic and mined in Congo--where thousands of workers toil in



**As Congo seeks to expand drilling, some communities worry ...**

Congo is home to most of the Congo Basin rainforest, the world's second-biggest, and most of the world's largest tropical peatland, made up



of partially decomposed wetlands plant material. Together, both capture huge amounts of carbon dioxide -- about 1.5 billion tons a year, or about 3% of global emissions.

## Community batteries: a cost/benefit analysis

1.Third party owned community battery 2.Third party owned for-profit model 3.DNSP owned community battery 4.DNSP owned for-profit model Full details of the ownership models are given in Section6. Costs were calculated over one year (2018). Our in-house open-source software (c3x) calculates how a community battery would



## DR Congo could defuse China's EV battery dominance

The mineral-rich Democratic Republic of the Congo (DRC) is often portrayed as a victim of exploitation by China, the US and Europe in their competition for its minerals, which are critical for the energy transition. But our research has found that the DRC can influence the shape of the cobalt market, in which it is the single largest producer.

## Christianity In DR Congo (2024)

Additionally, political instability has been a persistent problem for DR Congo's Christian community. The country has suffered through

decades of civil war and unrest, making it difficult for churches to operate freely or spread their ...



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## Congo communities forcibly uprooted to make way for mines ...

ABUJA, Nigeria (AP) -- The mining of minerals critical to electric vehicle batteries and other green technologies in Congo has led to human rights abuses, including forced evictions and physical assault, according to a new report from Amnesty International and another rights group.. Congo is by far the world's largest producer of cobalt, a mineral used to make ...



## Kinshasa: the CCB plans to create a value chain for batteries

The leaders of the Congolese Battery Council -CCB-, a state structure created on December 6,



2022, discussed, on Monday December 11, 2023, with experts and investors around the feasibility of its sovereign mission mainly focused on the creation of a value chain for the manufacturing of batteries and electric vehicles during this period of

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