

## **PDEOZE PowerContainer**

# **Colombia Energy Storage Integration Project**



## Overview

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The ministry's Energy Mining Planning Unit (UPME) launched the tender earlier this year, calling for proposals for deploying grid-scale battery energy storage system (BESS) technology to help alleviate system constraints and boost reliability of the grid in Barranquilla, in the Department of Atlántico area of northern Colombia. Could pending grid availability help Colombia achieve its transition goals?

pending grid availability could put Colombia on the fast track to achieving its transition goals. For instance, the La Guajira region, which holds the greatest potential for generating RE due to high levels of solar radiation and strong winds from the north.

Why is the Cartagena industrial cluster important?

ing efficiency, they also bolster regional competitiveness, contributing to GDP and job creation. To this end, and to maximize its economic, employment and energy potential, the Cartagena Industrial Cluster is

How much energy does Colombia use?

businesses. In 2021, Colombia's total final energy consumption reached 1,319 petajoules (PJ). Fossil fuels accounted for 67% of this total, with oil being the primary energy source (49%), followed by natural gas (11%) and coal (7.1%). Electricity, primarily sourced from hydropower, constituted the second-highest consumed energy.

Who oversees capacity in Colombia?

Capacity are overseen by regional authorities known as corporaciones autónomas regionales (CARs). Colombia's National Energy Plan (PEN) 2022-2052, launched in 2023 as an updated version of the original NEP 2020-2050, lays out.

What is Colombia's energy consumption in 2021?

graphical location and policy reforms that have created a strong legal framework for businesses.<sup>4</sup>In 2021, Colombia's total final energy consumption reached 1,319 petajoules (PJ). Fossil fuels accounted for 67% of this total, with oil being the primary energy source (49%), followed by natural gas (11%) and coal (7.1%).<sup>5</sup> Electricity, primarily.

Are green hydrogen producers contributing to greater hydrogen production in Colombia?

in the framework of the JET roadmap in Colombia, are contributing to greater hydrogen production. Moreover, the MME published a draft decree establishing that green hydrogen producers supplied by self-generators with FNCER, or marginal produce

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