

INDONESIA INTERNATIONAL CARBON TRADING



As part of Indonesia's efforts to develop its carbon market, Indonesia authorizes the Indonesian Carbon Credits to be sold Internationally. These carbon units can be purchased by foreign entities and Indonesia relinquishes the NDC claim from the carbon credits.



INDONESIA

INTERNATIONAL



CARBON

TRADING





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WELCOME TO

IDXCARBON

The President of the Republic of Indonesia Joko Widodo officially launched the Indonesia Carbon Exchange (IDXCARBON). The launch was carried out at the Indonesia Stock Exchange (IDX) Main Hall on Tuesday (26/9). The Carbon Exchange Operator business license has been granted to the IDX by the Financial Services Authority (OJK) through Decree number KEP-77/D.04/2023 on September 18th 2023.

IDXCARBON is connected to the National Registry System - Climate Change Control (SRN-PPI) belonging to the Ministry of Environment and Forestry (KLHK), making it easier to administer the transfer of carbon units and

avoid double counting. Companies who have an obligation and/or commitment to voluntarily reduce the Green House Gas emissions, can become IDXCARBON's Users and buy available Carbon Units.

IDXCARBON as the Carbon Exchange Operator provides a transparent, orderly, fair and efficient trading system. Apart from providing transparency in prices, IDXCARBON trading also provides an easy and simple transaction mechanism. Currently, there are 4 (four) IDXCARBON trading mechanisms, namely Auction Market, Regular Market, Negotiated Market, and Marketplace.

The Ministry of Environment/Environmental Management Agency of the Republic of Indonesia (KLH/BPLH), the Financial Services Authority (OJK), and Indonesia Stock Exchange (IDX) officially inaugurated the International Trade of Indonesian Carbon Units through the Indonesia Carbon Exchange (IDXCARBON) at the IDX Main Hall on Monday (20/1). This inauguration marks a significant milestone in the implementation of carbon trading in Indonesia.



To build a transparent, high-integrity, inclusive, and fair carbon ecosystem, the Indonesian government has strengthened critical elements in the carbon ecosystem, including:

- The National Registry System (SRN),
- Measurement, Reporting, and Verification (MRV),
- Greenhouse Gas Emission Reduction Certificates (SPE-GRK), and
- Authorization and Corresponding Adjustment (CA) for international carbon trading.



IDXCARBON TRADING MECHANISM



■ Auction

The Government or Emission Mitigation Project Owner can sell carbon units through an auction mechanism on the Carbon Exchange. Prospective carbon unit buyers submit purchase requests at the desired volume and price.



■ Regular

The trading is conducted by a continuous auction mechanism which all parties can submit their buy and sell offers in real time.



■ Negotiated

Facilitate the completion of the previously agreed trades through the IDXCarbon system transparently and securely.



■ Marketplace

Emission Mitigation Project Owners can sell their carbon units at a predetermined price.

INDONESIA

AUTHORIZED CARBON CREDIT

Authorized Indonesian carbon credits means Indonesia relinquishes the NDC claim from the carbon credits. Authorized carbon credits are free to be traded domestically and internationally.



> OPERATION OF NEW POWER PLANT OF NATURAL GAS OF PLTGU PRIOK BLOCK 4

PLTGU Priok Block 4 is one of the LNG-fueled power plants with the latest gas turbine technology and the first in Indonesia. The plant uses Mitsubishi M701F4 technology with a performance efficiency of 50.12% and is equipped with a Dry Low Nox Burner to minimize exhaust emissions. The high performance efficiency creates a lower emission compared to the weighted average GHG emissions from power generation units in the Java-Madura-Bali Grid.

Project Developer: PT PLN Indonesia Power

Project Location: Pademangan, North Jakarta, Indonesia

Validated and Verified by: SUCOFINDO

Vintage: 2021 - 2023



> CONVERSION FROM SINGLE CYCLE TO COMBINED CYCLE ON POWER PLANT OF PLTGU GRATI BLOCK 2 (ADD ON)

The project is carried out by adding a Heat Recovery Steam Generator (HRSG) and Steam Turbine (ST) Doosan Skoda DST-S10-5CA1 to utilize exhaust gas from the Mitsubishi MW-710D Gas Turbine (GT). HRSG technology will reduce green-house gas (GHG) emissions since power generation from ST produce no GHG emissions. This conversion will significantly increase electricity production with the same fuel consumption and increase system efficiency from 24.06% to 38.70%.

Project Developer: PT PLN Indonesia Power

Project Location: Grati, Pasuruan, East Java, Indonesia

Validated and Verified by: SUCOFINDO

Vintage: 2021 - 2023



OPERATION OF GUNUNG WUGUL MINI-HYDRO POWER PLANT

Pembangkit Listrik Tenaga Mini-Hydro (Mini-Hydro Power Plant) Gunung Wugul is one of the newest units built by Mrica Power Generation Business Unit. The power plant with an installed capacity of 2 x 1.5 MW utilizes the energy of water flow from the Urang River which does not cause GHG emissions. is planned to operate for 30 years, with an estimated electricity supply of 14,872,428 kWh/year.

Project Developer: PT PLN Indonesia Power

Project Location: Sijeruk Village, Banjarnegara, Central Java, Indonesia

Validated and Verified by: SUCOFINDO

Vintage: 2022



CONSTRUCTION OF NEW POWER PLANT OF NATURAL GAS OF PLTGU PJB MUARA KARANG BLOCK 3

PLTGU Block 3 PJB Muara Karang is one of the first gas-fueled power plants with the latest M701F5 Gas Turbine Technology in Indonesia, boasting performance efficiency by design up to 62% during the combine cycle which minimize exhaust emissions. This 516 MW capacity power plant is established out to meet the electricity needs in the DKI Jakarta area in 2022 and forward.

Project Developer: PT PJB UP Muara Karang

Project Location: Pluit, North Jakarta, Indonesia

Validated and Verified by: PT Mutuagung Lestari Tbk.

Vintage: 2022



CONVERSION OF SINGLE CYCLE TO COMBINED CYCLE ON POWER PLANT OF PLN NP UP MUARA TAWAR BLOCK 2

The emission reduction project is carried out by converting a single cycle (PLTG) activity to a combined cycle (PLTGU) to utilize unused heat. The heat is then processed to produce steam and operate a steam turbine which subsequently produces electricity. The whole process allows more efficiency on producing electricity, which also lower emission intensity per kWh produced.

Project Developer: PT. Pembangkitan Jawa Bali Unit Muara Tawar

Project Location: Segarajaya, Bekasi, West Java, Indonesia

Validated and Verified by: SUCOFINDO

Vintage: 2023



AS A BUYER, WHAT CAN I DO AFTER I BUY CARBON CREDIT?



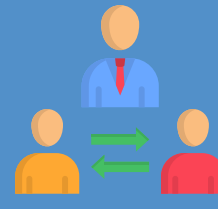
THREE ALTERNATIVES TO PARTICIPATING IN THE INTERNATIONAL CARBON TRADING



Foreign entities may register themselves as **IDXCarbon User** and doing transaction & retirement by themselves.



If a foreign entity owned a subsidiary in Indonesia, **the legal entity in Indonesia may register as an IDXCarbon User**. This Indonesian legal entity then can do transaction and retirement.



Buy and retire via an **intermediary who is already registered** as an IDXCarbon User.

IDXCARBON

BECOME A USER

STEP 1

Fill out the pre-registration form at



<https://bit.ly/DaftarIDXCARBON>

STEP 2

Receive an email containing:

- Registration download link form
- User training link
- Registration document info
- Sharing folder for uploading documents

STEP 3

The applicant register minimum 2 users to **take part in IDXCARBON training**

Online Training by Zoom

STEP 4

The applicant fill out the form and prepare the required registration documents, then **upload them to the sharing folder**

STEP 5

After all documents have been **verified and approved**, the applicant will be sent a registration approval letter along with the user account and carbon exchange service user account number

REQUIREMENTS TO BECOME A USER OF IDXCARBON

01

Appointed Administrator (min 2) to execute and administer company account in IDX Carbon

02

Join **mandatory training**

03

Provide **electronic-mail address with company's domain name**

04

Completing **mandatory registration form**

05

Registration fee are applicable (incentive available until September 2025)

06

Provide **bank account** for withdrawal purpose

07

Provide **annual financial report** for the last 1 (one) financial year

08

Additional Documents for Local Users: **Articles of Association, NPWP, and Business Identification Number (NIB).**

09

Additional Documents for Foreign Users: Have a **Business Registration Number**



IDXCARBON

CONTACT US



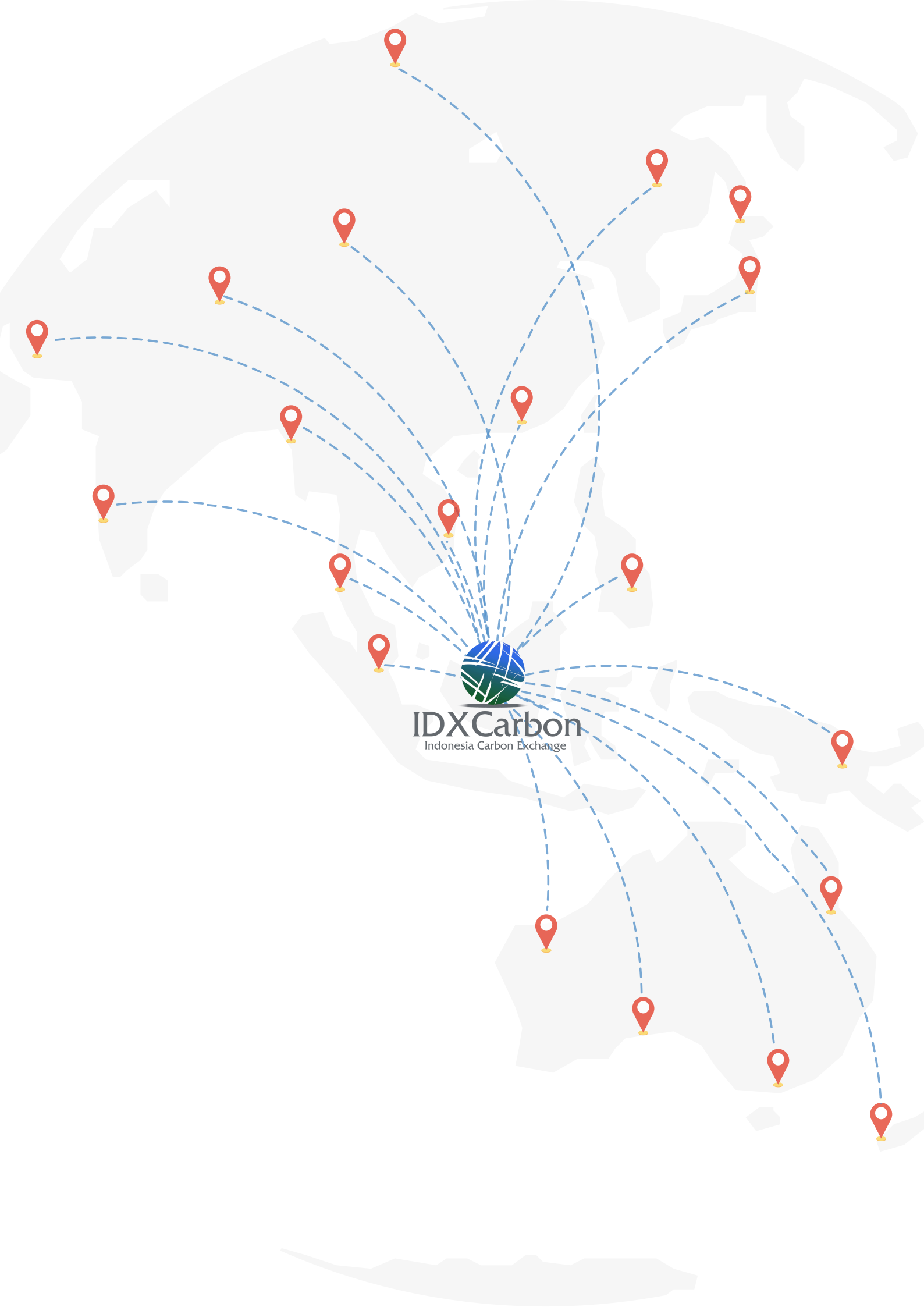
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THANK YOU



IDXCarbon integrates global best practices from emission allowance markets and carbon credit markets into one system, enabling the trading of and SPE-GRK. The inauguration of international trade demonstrates the readiness and comprehensiveness of IDXCarbon's system to support both domestic and international carbon trading.



*President Director of IDX
Iman Rachman*