IPCI.IO
DELIVERING BLOCKCHAIN INFRASTRUCTURE FOR THE GLOBAL GREEN FINANCE MARKETS

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DAO IPC provides universal public blockchain infrastructure for carbon markets, green bonds, renewable energy credits and other environmental market assets, rights and liabilities.

We aim at uniting fragmented green finance markets into a global ecosystem making them more accessible, efficient and transparent.

WHO WE ARE?

Established in early 2016 by early blockchain adaptors and international climate experts DAO IPCI pioneered worlds first blockchain-based carbon credit transaction in 2017. Since then, we provide blockchain infrastructure for the global green finance markets solving their major growth problems.

WHAT PROBLEMS DO WE SOLVE?

DAO IPCI unlocks the $23 trillion investment opportunity of the Paris Agreement by building unprecedented trust, transparency, traceability of assets and linkages across fragmented green finance markets. We help measure, monitor and mitigate environmental damage from economic activities in a more democratic, cheaper and secure way.

WHO ARE OUR USERS?

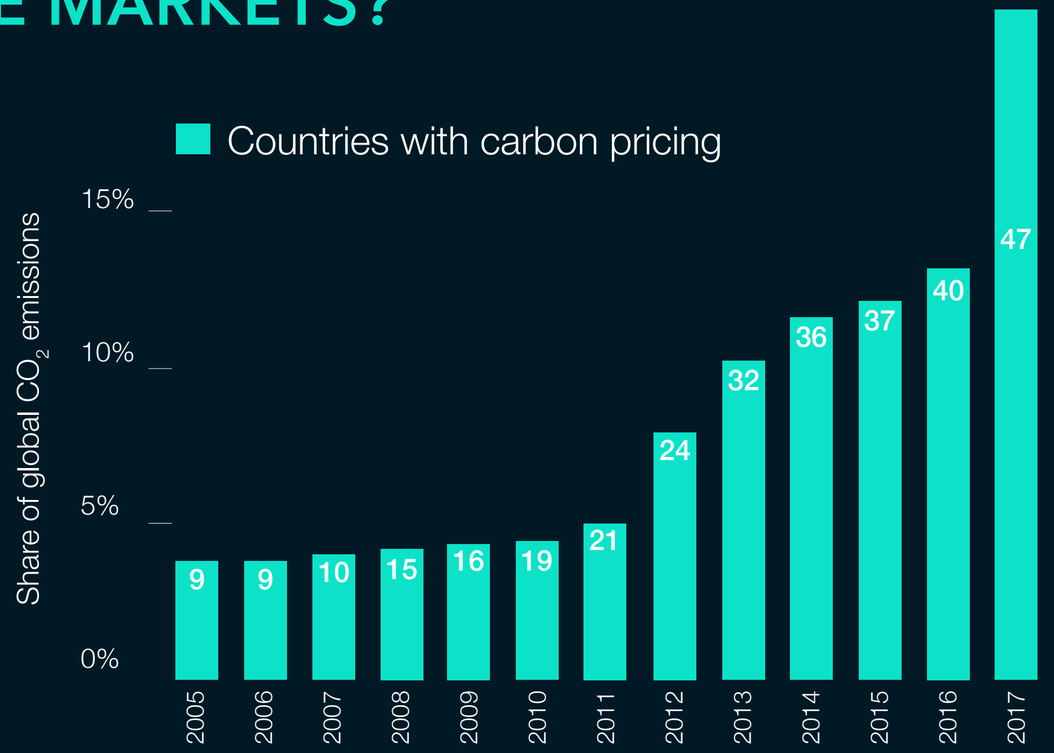
Any existing mandatory and voluntary environmental programs of diverse scopes and activities as well as businesses, investment funds, NGOs and individuals can benefit from DAO IPCI blockchain and IoT features.

DAO IPCI Team at the World Bank Innovate4Climate Conference in Barcelona with Massamba Thioye, UNFCCC blockchain team lead.

HOW CAN WE BOOST CLIMATE FINANCE MARKETS?

WE NEED TO SOLVE THESE PROBLEMS:

- Lack of trust, transparency and traceability
- Oligopoly of intermediaries
- Multiplicity of markets and instruments
- No single marketplace



Aviation carbon market
Projected volume for
2020 – 2025, $2.2 - 6.2 bln

Voluntary carbon market
Annual volume - $800 mln

Green bond market
2016 volume - $90 bln
2017 – $170 bln

KEY DAO IPCI FEATURES

- **Measurement and tracking** of positive and negative environmental impact from polluters/ climate projects.
- **Issuance, trade and retirement** of various environmental assets (Incl. Carbon Credits, Green Bonds, RECs etc.).
- **Democratizing access to green investment** and assets via online DApp - decentralized application.
- **Building linkages** across markets with MITO - Mitigation Token.
- **Blockchainization** of corporate, regional, national and international environmental programs.

WHAT VALUE WE CREATE

FOR GREEN FINANCE MARKET PLAYERS

- peer-to-peer operations with green bonds/RECs/carbon credits
- “trustless” system provided by smart contracts

FOR SUSTAINABLE INVESTORS AND BANKS

- buying measurable and verified GHG reductions that have actually taken place
- investing into projects and companies with a confirmed success story in climate action

FOR INDUSTRIES

- low-cost and transparent way to to offset environmental damage
- opportunity to join a project approved by UNFCCC (reputation profit)

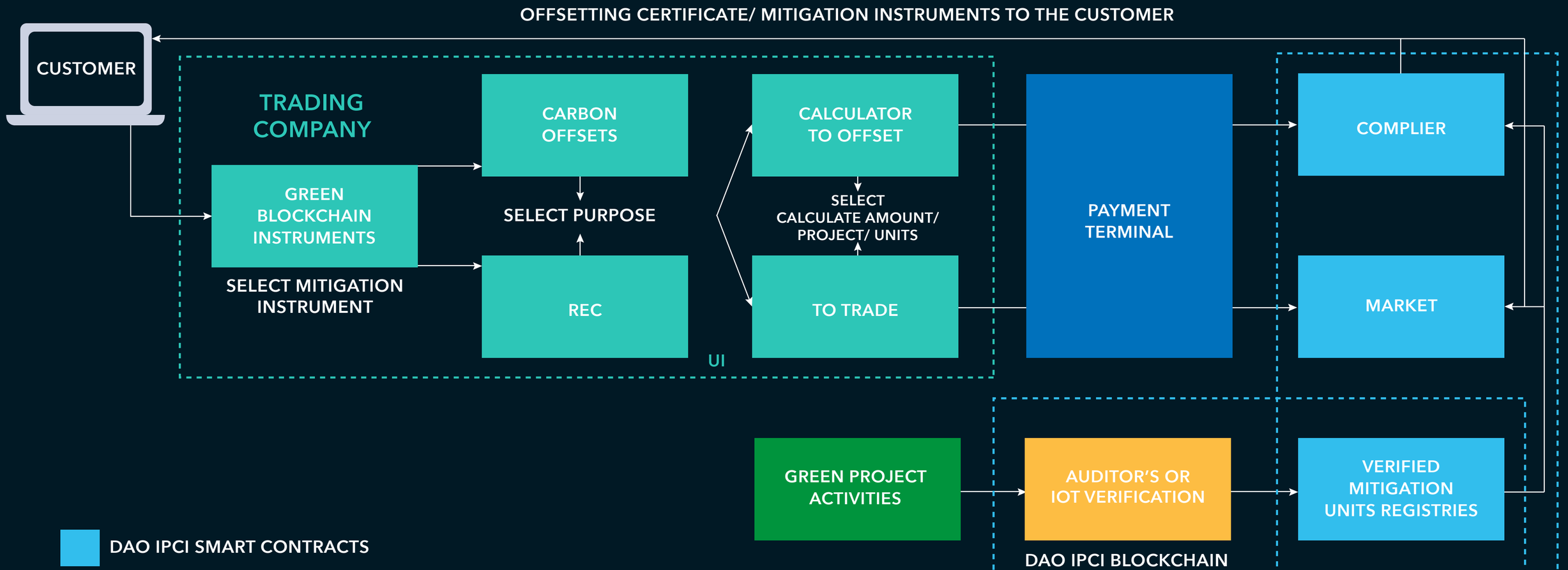
FOR UTILITY COMPANIES

- turning the results of renewable energy production/use into financial instruments
- enabling company/clients to be rewarded for RE production/use

FOR COUNTRIES AND REGIONS

- countering corruption and double counting of carbon credits
- easy and viable monitoring of GHG reductions progress
- drawing additional funds to green projects
- mitigation of national carbon footprint by purchasing carbon credits

USE CASE: TRADING GREEN ASSETS ONLINE IN DAO IPCI BLOCKCHAIN

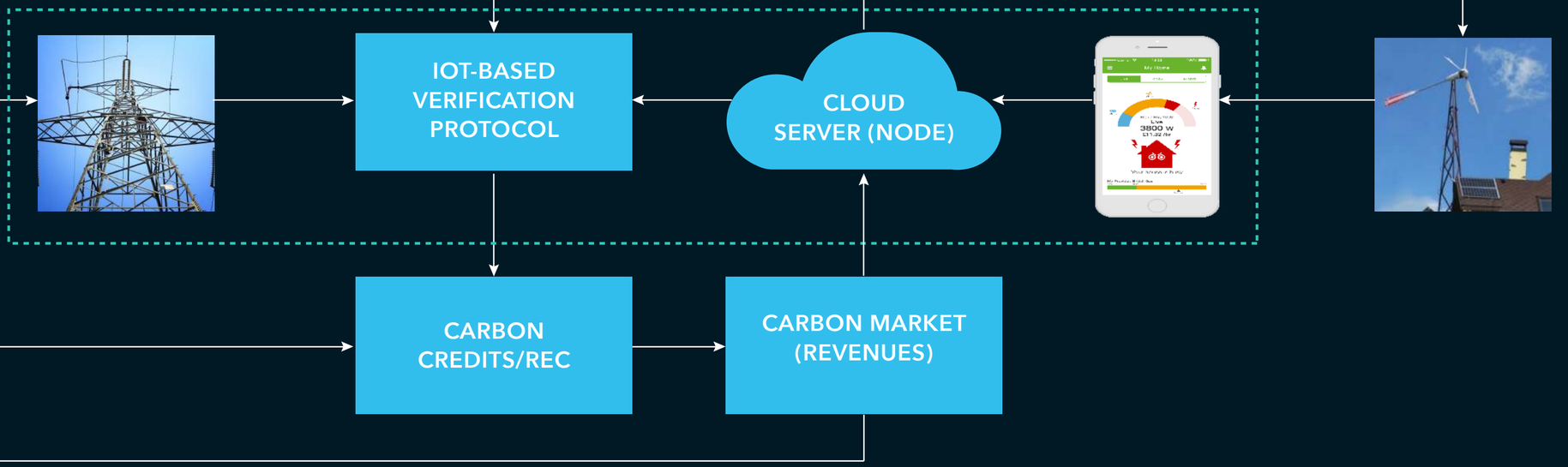


DISTRIBUTED CO_2 REDUCTIONS CASE IN CHILE (DESIGN SAMPLE)

EXTERNALLY OWNED ACCOUNTS CONTROLLED BY A PUBLIC/PRIVATE KEY PAIR

CONTRACT ACCOUNTS CONTROLLED BY THE INTERNAL CODE OF THE CONTRACT

ETHEREUM NET VALIDATORS



1. The data from IoT devices (meters, inverters) is aggregated at Cloud server (node) of the Issuer (Energylab) tracking input of every household (generator/ consumer)

2. IoT protocol is processing data received from smart devices (meters) via the Cloud server and from the official source (emission factor)

3.Independent entity (Auditor) evaluates consistency of the verification procedure and algorithm with methodologies and program requirements

4.Validation by public Ethereum network validators using the IoT-based protocol software completes carbon credits verification and issuance procedure

5. The revenues received by the Issuer at the carbon market are distributed among the households (generators/consumers) via the Cloud server (node) in accordance with their actual input

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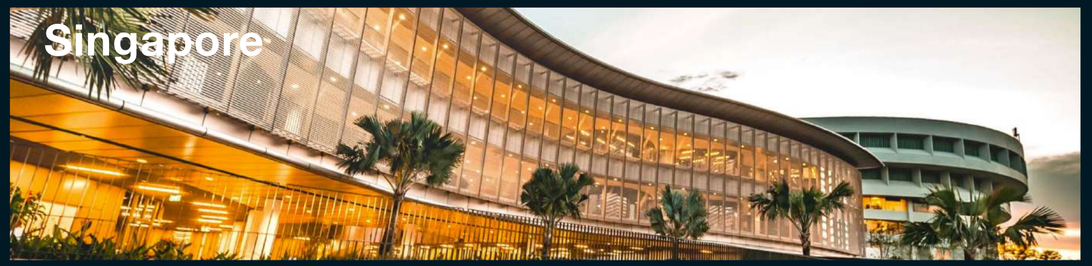
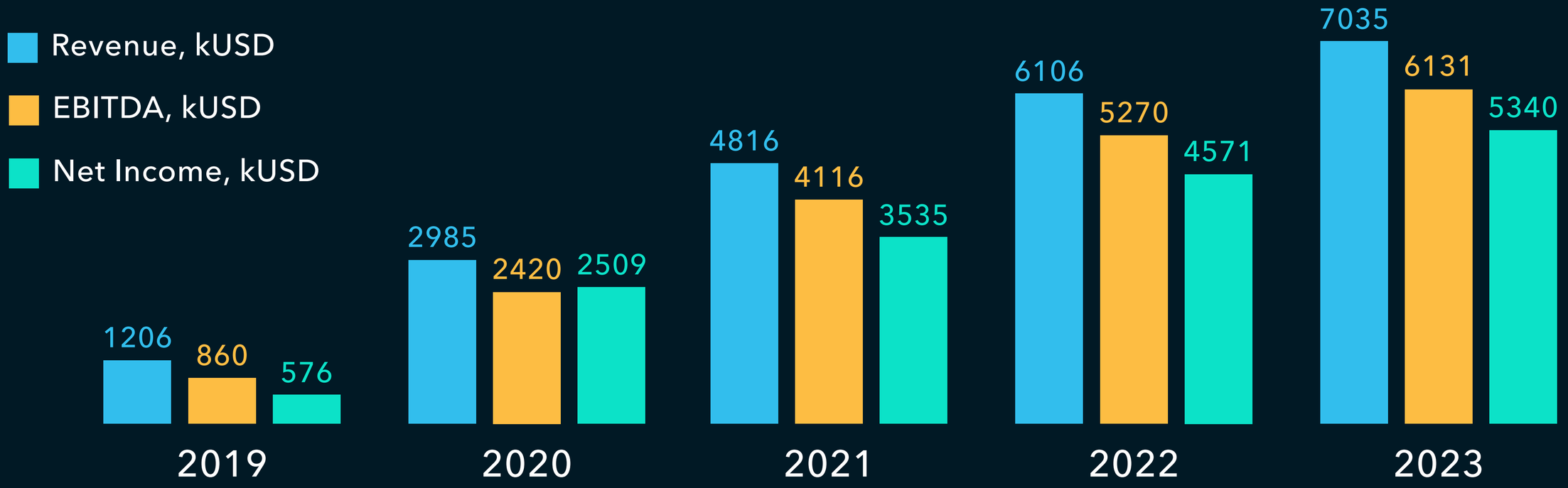
GLOBAL USECASES

- World’s first transaction with green financial instruments in blockchain. The environmental assets originated from Mauritius Solar Power plant
- Rural community solar power in Chile. Generating carbon credit tokens by connecting IoT sensors to blockchain and rewarding the locals for using solar energy
- Development of Canadian Blockchain Carbon Standard
- In-house environmental finance market in Nanyang Technological University, Singapore
- Creation of drone emissions monitoring system in partnership with Aira, Russia
- Offsetting carbon footprint of air flights via Blockchain Carbon Offset Calculator



FINANCIAL MODEL AND KEY FIGURES



INVESTMENT FORMAT	Convertible note $500k for 5% equity of Chain M AG, Zug, Switzerland
COMPANY EVALUATION	$11 000 000
PAYBACK PERIOD	1,6 IRR - 99%

DAO IPCI COP 24 SCHEDULE

DEC 8, 17:00 UK Pavilion	Blockchain for Upscaling the Green Finance Flows
DEC 9, 14:10 Vienna House Easy Katowice	Changing the Climate Finance Landscape
DEC 9, 16:20 Vienna House Easy Katowice	Accelerating innovation into low-carbon future
DEC 10, 13:00 Russian Pavilion	Live demo and workshop on decentralized climate programs launch in DAO IPCI blockchain
DEC 10-14 Exhibit Booth 50	Meet DAO IPCI and Blockchain Climate Institute team in Exhibit Booth No.50
DEC 13, 15:00 Russian Pavilion	Innovative Tools and Practices for Climate Education takes place on Education Day
DEC 14, 11:30 Room Wisla	Side event: Decentralized Integrity for Climate Finance and Carbon Markets

Blockchain/DLT for climate action press-conference: Joseph Robertson, Miroslav Polzer, Alexandra Lutz, Martin Frick, Alexey Shadrin, Matthias Gelber

CORE TEAM MEMBERS AND ADVISORS

Anton Galenovich, founder

For 20 years he has been studying and advising on the market mechanisms of the Kyoto Protocol, Paris Agreement and CO_2 emission markets. Accredited non-governmental observer of the UN Framework Convention on Climate Change.

Sergey Lonshakov, founder, CTO

Blockchain and smart contract projects developer, Airalab team leader. Since 2014 Sergey has been researching capabilities of Ethereum platform for DAO and IoT solutions.

Alexey Shadrin, founder

Blockchain, Sustainability and Smart City evangelist, serial entrepreneur and key-note speaker. Founder of the Russian Carbon Fund and Evercity.

Lyudmila Brus, Marketing lead

Environmental innovations and crypto journalist, blogger, with 10+ years of experience.

Joseph Pallant, advisor

Joseph Pallant is a life-long seeker of environmental solutions, who has been active in the Carbon Market since 2004. At Canadian company Brinkman Climate Joseph develops Carbon Project Solutions, developer of forest, agriculture, waste and transportation offset projects in Canada and around the world.

Yuri Anisimov, advisor

Fin Tech Director of Startmesh, Representative of RVC in SEA, co-founder and managing director of Ability Factors Pte. Ltd, with 25 years of experience in business development, operations, production engineering, and services.

Xiaocheng Zhang, advisor

President at FinTech4Good. He also serves as a founding partner of New Development Ventures, on the Crowdfunding Professional Association Board of Directors and UN ESCAP Digital Economy Task Force.

PARTNERS

Microsoft

EY Building a better working world

CLIMATE CHAIN COALITION

EVERCITY

AIRA

FinTech4Good
Incubation | Acceleration | Investment

Crypto Valley

BLOCKCHAIN CLIMATE INSTITUTE

PUBLICATIONS AND REPORTS

COINTELEGRAPH live cryptocurrency community opinion

ECONOTIMES

nature.com

Carbon Pulse

IETA CLIMATE CHALLENGES MARKET SOLUTIONS

Forbes

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