

## **GLOBAL 100% RE UKRAINE**

**GREEN PLATFORM** 

Green energy – the energy for peace!



### GLOBAL 100% RE UKRAINE – THE INDEPENDENT PLATFORM FOR THE COUNTRY'S GREEN DEVELOPMENT

The **LARGEST PUBLIC UNION** of associations, companies, experts, together with civil society connected by a common goal and ideas of green energy and clean country We share **EXPERIENCE** of the biggest rene-wable energy market's players

The most **POWERFUL APPROACH** for making economic and environmental policy conscious of Global 100% RE UA is to unite economy, ecology and energy for the benefit of people for increasing the longevity of life and overall comfort

**MISSION** 

- consolidation of «green teams» that have similar goals and principles for formation an economic basis for environmental problems solving

OUR

VISION

# FOUNDERS OF THE PLATFORM







Institute of Global Transformations



Bioenergy Association of Ukraine



Association of **Energy Service** Companies









Office of Renewable Energy Ambassador



Professional Association of Environmentalists of Ukraine



### **OUR PARTNERS**





БІЗНЕС ВАРТА

Organic Ukraine



💑 UBTA

#### **УКРБІОЕТАНОЛ** Ukrainian Association of **Bioethanol Producers**

### MEMBERS OF THE BOARD





#### Oleksandr DOMBROVSKYI

People's Deputy of Ukraine of 7<sup>th</sup> and 8<sup>th</sup> convocations (2012-2019), Chairman of the Verkhovna Rada of Ukraine Committee on Fuel and Energy Complex, Nuclear Policy and Nuclear Safety (2015-2019)



#### Vitalii SHEVCHENKO

Chairman of the Board of the Ukrainian Energy Service Companies Association



Oleksii KORCHMIT



#### Andriy KONECHENKOV

Chairman of the Board of the Ukrainian Wind Energy Association, Vice President of the World Wind Energy Association



#### Georgiy GELETUKHA

Chairman of the board of the public union "Bioenergy Association of Ukraine"



#### Oleksandr RIEPKIN

President of the Ukrainian Hydrogen Council



#### Vladyslav SOKOLOVSKYI

Chairman of the Board of the public union "Solar Energy Association of Ukraine"



#### Oleksandr KSENOFONTOV

Executive Director of the Office of the Ambassador for Renewable Energy







In 2021 GLOBAL 100% RE UA was admitted as an observer to the Global Bioenergy Partnership (GBEP), the strategic partner of which is the Food and Agriculture Organization of the UN (FAO)



### GLOBAL 100 RE UKRAINE MEMBERS: BIDENERGY ASSOCIATION OF UKRAINE UABIO

#### **UABIO members:**

- influence the development of bioenergy in Ukraine at the legislative level
- receive consultations and priority support within the framework of the Association's national and international projects
- increase the awareness of their brand / product / activity among the target audience
- receive exclusive information about important events, news, and global trends in the field of bioenergy

#### UABIO

**Bioenergy Association of Ukraine** is a nonprofit public association that unites businesses and experts for the development of bioenergy in Ukraine

UKRAINE





### **UABIO ADVOCATES FOR THE SUSTAINABLE DEVELOPMENT OF BIOENERGY IN UKRAINE**





#### **Current UABIO projects:**

**BinPart** from the Swedish Institute, Linköping University

Biomethane from microalgae from the UK Fund for International Development

**BIDMETHAVERSE** from the EU Horizon Europe Programme

SEAFAIRER from the EU Horizon Europe Programme

SAF Ukraine from the EBRD Development of a business model for biomethane production in Ukraine from the UK Fund for International Development

#### UABIO is a member of:







Co-founder of:



UKRAINE

**Clients and partners:** 



European Bank



**NEFCO** 





### GLOBAL 100 RE UKRAINE MEMBERS: Solar Energy association of Ukraine



**Solar Energy Association of Ukraine** is the largest non-governmental and non-profit organization that unites solar market participants.



**Since 2017**, SEAU has been participating in the **development of the renewable energy market** and ensuring the **protection of the interests** of the Association's members.

The union cooperates with government and nongovernmental organizations and actively promotes the implementation of investment projects in the field of renewable energy.

#### The Association represents interests of:

- owners of industrial solar power plants
- Ukrainian and foreign investors
- **Companies** that design, build and maintain solar power plants
- Manufacturers of equipment for solar power plants
- Owners of home solar power plants

Association unites more than 90 energy sector companies and groups of companies, as well as more than 450 owners of home solar power plants



The SEAU community has over 9,000 people.



### **GLOBAL 100 RE UKRAINE MEMBERS: SOLAR ENERGY ASSOCIATION OF UKRAINE**



Main areas of activity of the Association

- 01 **legal protection and support** of the interests of the Association's members
- **02 educational activities** in the field of renewable energy in Ukraine
- **03** cooperation with Ukrainian and international **renewable** energy organizations
- **research activities** in the field of solar energy
- **05** participation in the **development of legislation** on the implementation of renewable energy in Ukraine
- **D6 economic and social support** for SEAU participants affected by military actions
- 07 **support for charitable projects** to install solar power plants with batteries at social infrastructure facilities

Association's **committees** are the main tool for achieving SEAU goals and implementing initiatives of the Union's members.

#### Currently, the Association has:

- Solar Energy Legal Support Committee
- Energy Storage Facilities Committee
- Committee on Home Solar Power Plants

- Committee on the Operation of Electricity Markets
- Committee on attracting investments in the solar energy industry
- Committee on
  Digitalization and
  Intellectual Property
  Protection of SEAU

### GLOBAL 100 RE UKRAINE MEMBERS: UKRAINIAN HYDROGEN COUNCIL



**Ukrainian Hydrogen Council** - The first association in Ukraine engaged in the development of green hydrogen energy and the dissemination of hydrogen technologies



#### Our goals:

- Involving Ukrainian energy complex in cooperation with international organizations
- Modernization and harmonization of Ukrainian legislation with international standards
- Promotion of hydrogen energy technologies and attraction of investments in hydrogen projects

• Promoting the accessibility of renewable and hydrogen energy technologies to the population, supporting energy conservation and energy decentralization programs



The first association from a non-EU country to receive associate membership in the sectoral energy agency within the European Commission—Hydrogen Europe.



Main strategic national partner - Institute of Renewable Energy of the NAS of Ukraine

As part of the partnership, a training and experimental complex for an autonomous solar-hydrogen energy system has been created



Active cooperation is underway with higher educational institutions, in particular, the creation and logistical support of hydrogen laboratories, joint development of educational programs (Igor Sikorsky Kyiv Polytechnic Institute, Zhytomyr Polytechnic Institute)



In 2021, through the efforts of the UHC, the first hydrogen car in Ukraine was certified, and further development of hydrogen transport infrastructure in Ukraine was initiated, in particular, the creation of a national network of hydrogen filling stations



Analytical, scientific and research materials, strategic documents and programs are being prepared, and draft regulations are being developed.



### HYDROGEN PRODUCTION POTENTIAL IN UKRAINE





UKRAINE

### GLOBAL 100 RE UKRAINE MEMBERS: UKRAINIAN WIND ENERGY ASSOCIATION

248,5 MW

Commissioned (2022–2024)







37

The number of wind farms





Total installed wind power capacity in Ukraine 2015-2024, MW



### **GLOBAL 100 RE UKRAINE MEMBERS: UKRAINIAN WIND ENERGY ASSOCIATION**



Prospects for the development of wind energy sector



#### > 50 projects

In development

#### 4-5 HW

Expected to be operational by the end of 2030

#### Wind projects implemented during the war



### **GLOBAL 100 RE UKRAINE MEMBERS: UKRAINIAN ASSOCIATION OF ENERGY SERVICE COMPANIES**



Ukrainian Association of Energy Service Companies



The main goal is to increase energy efficiency and increase green energy in infrastructure at the local and state levels by attracting private investment in the ESCO format.

#### **UAESCO: MISSION**

Protecting stakeholder interests in ESCOs

legislation, introducing Improving financial mechanisms for the implementation of ESCOs



Expanding the list of ESCO technologies and (3) application areas



### ESCO POTENTIAL IN UKRAINE



#### Investment potential for the modernization of 90 000 public buildings $\approx$ 13 billion EUR

#### Technologies planned to be implemented:





Modular boiler rooms for traditional and alternative fuels



Solar power plants



High-efficiency cogeneration plants

GIOCALIDOS: RI UKRAINE

### UKRAINIAN GREEN HIGHWAY

RePowerEU

GREEN INSTRUMENTS FOR RECOVERY AND DEVELOPMENT

RENpowerUA

UKRAINE

### GREEN ENERGY TRANSITION' CONCEPT OF UKRAINE TILL 2050-70 (THE VISION OF GLOBAL 100% RE UA)

TPES, million t.o.e.



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### UKRAINE: SIGNIFICANT RESULTS IN THE DEVELOPMENT OF RENEWABLE ENERGY DURING LAST 10

#### GREEN ELECTRICITY GENERATION AND RES INSTALLED CAPACITIES, 2021



The installed electricity capacity of renewable energy projects is ≈9.65 GW at the beginning of the 2022.

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According to Bloomberg NEF, Ukraine was in top-8 among developing nations for clean energy asset finance in 2018.

Total investment in the industry is more than \$ 12 billion.



### SMART SYNERGY INTEGRATION



BIOGAS	ENERGY EFFICIENCY	GREEN HYDROGEN
BIOMETHANE	SMART-GRIDS	SOLAR ENERGY
BIOETHANOL	AI	WIND ENERGY
BIODIESEL	INVESTMENTS	ENERGY STORAGE



### CARBON NEUTRALITY & ENERGY SECURITY



RENEWABLE ENERGY

INNOVATION

DECARBONISATION

**CIRCULAR ECONOMY** 

ENERGY INDEPENDENCE



### GLOBAL 100RE UKRAINE: EVENTS AND ACTIVITIES



- Conferences and round-table discussions more than 20 annual
- Speeches of founders -TOP speakers at TOP International events
- Regional seminars and site-visiting
- Press conferences on actual issues
- Environmental education: lectures in Universities & for youth
- Analytics: market reviews, analytical reports, notes
- **GR & Advocacy**, joint statements, participation in the legislative process
- International projects participance

• **PR & Media:** articles, columns, blogs,flash-mobs: more than 100 annual

• Environmental actions





### 100% RENEWABLES – THE ENERGY FOR PEACE!