

GRAD CRES



What H₂ means for Cres

Ugo Toić, Director
OTRA

Cres, 3rd July 2025



Co-funded by
the European Union

The project is supported by the Clean Hydrogen Partnership and its members.

Cres-Lošinj Archipelago

Land area = 509,39 km²

Population (census 2021) = 10.303

Administrative units = Town of Cres and Town of Mali Lošinj

Overnights in August 2018 = 1.041.244

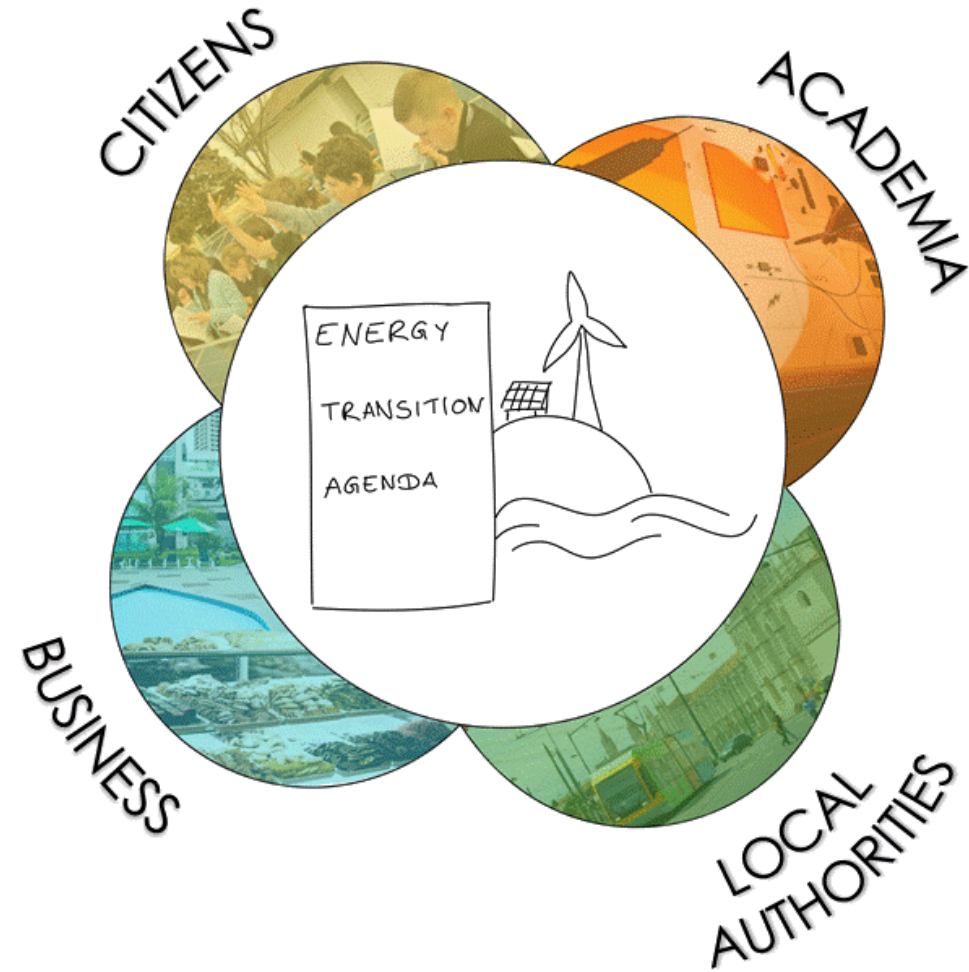
Population equivalent = 33.589







CLEAN ENERGY FOR EU ISLANDS



Meetings / events



+40 stakeholders signed the Pledge







WE'VE BEEN SELECTED IN THE

**TOP 100 DESTINATION
SUSTAINABILITY
STORIES 2024**

Transition pillars

Electricity generation

Heating and cooling (Buildings)

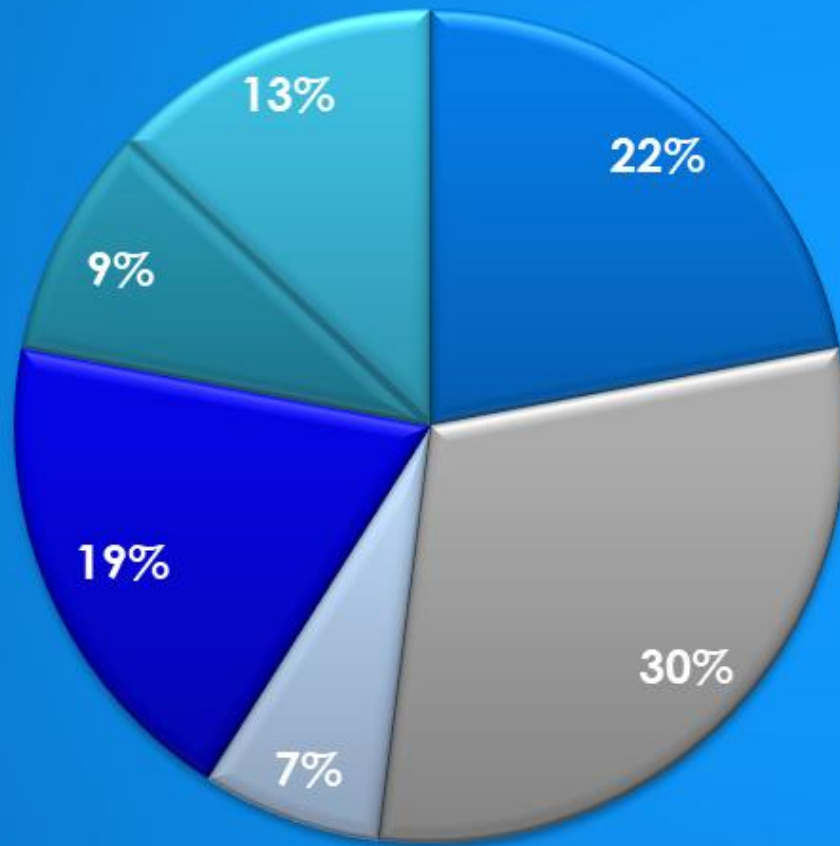
Road transport

Maritime transport

Horizontal strategies (Awareness)

Baseline emission inventory

CO₂ Emissions



- Transport on island
- Maritime transport public
- Maritime transport commercial
- Tertiary sector
- Industry
- Residential buildings

Vision 2030

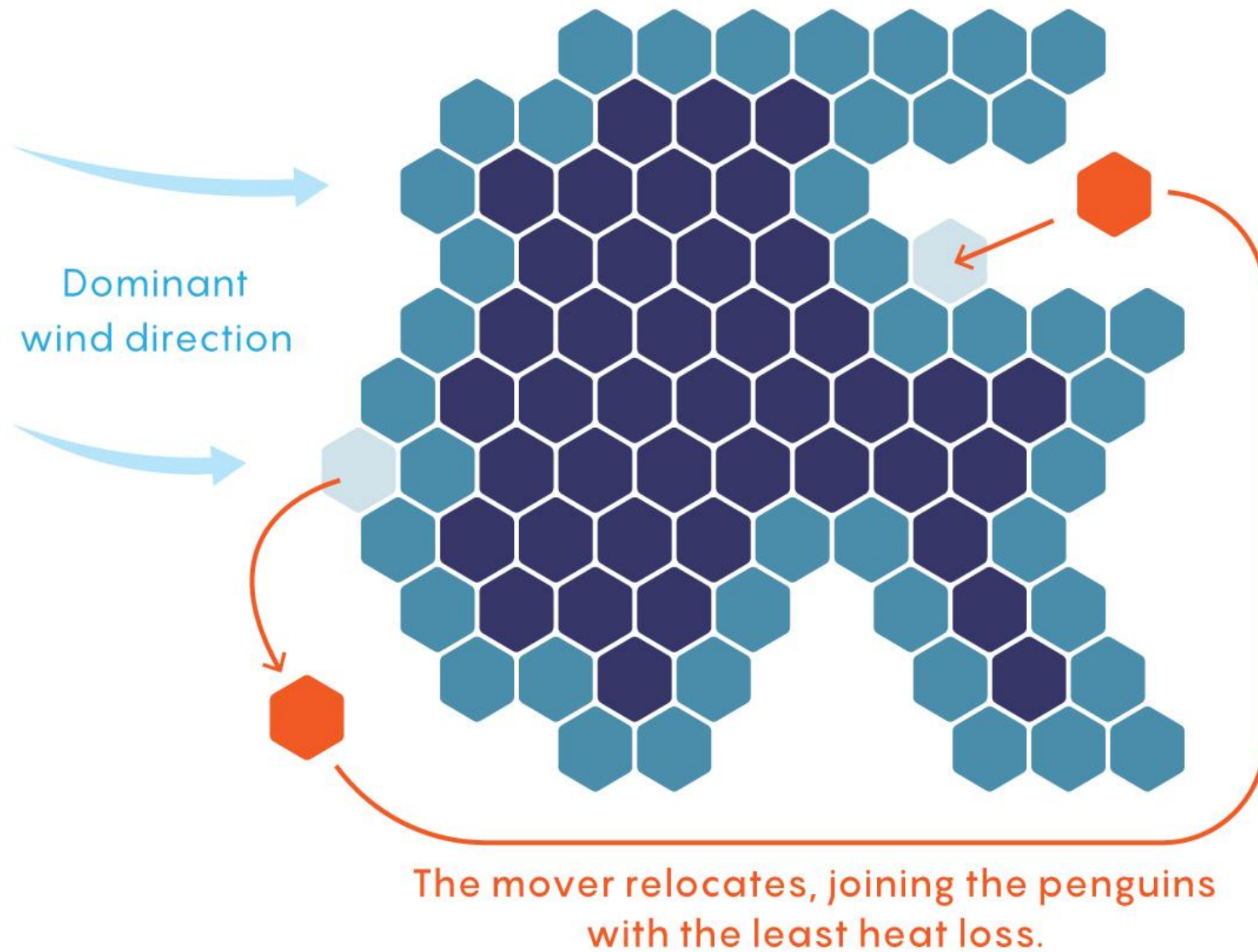
The Cres-Lošinj archipelago is smart and energy self-sufficient; **the local community is energy literate and actively involved in the energy transition,** which will enable carbon neutrality (complete decarbonisation) by 2040.



Involving community in energy transition



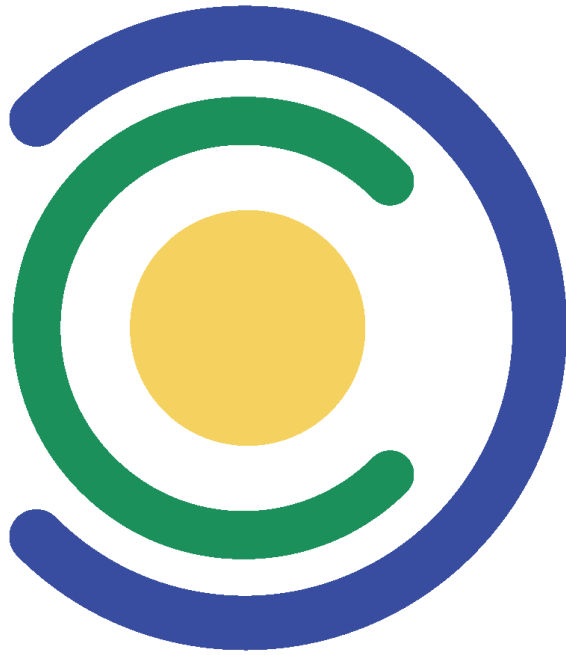




 "Outside"
penguin

 "Inside"
penguin

 Mover
penguin



APSYRTIDES

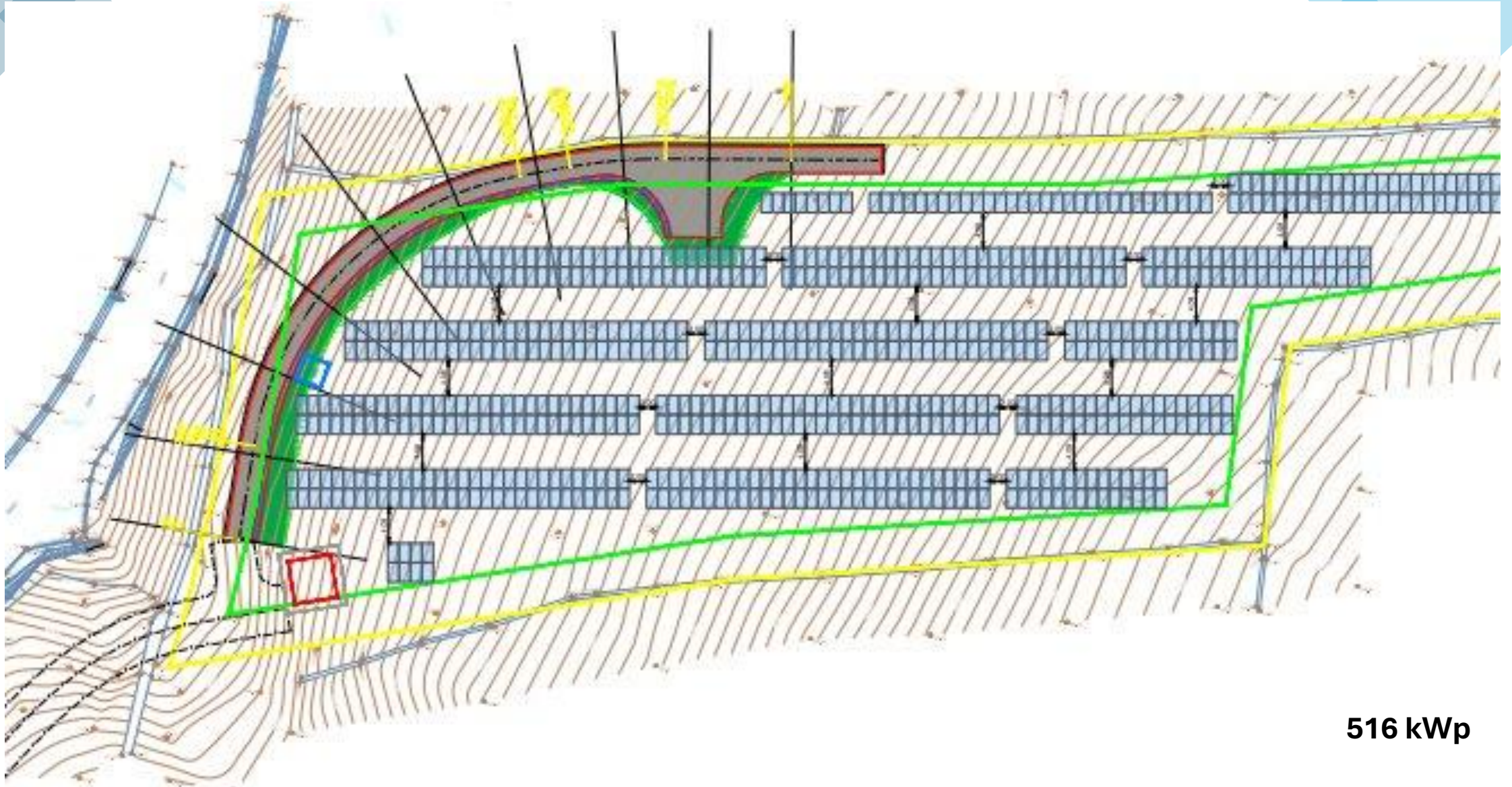
ENERGETSKA ZADRUGA



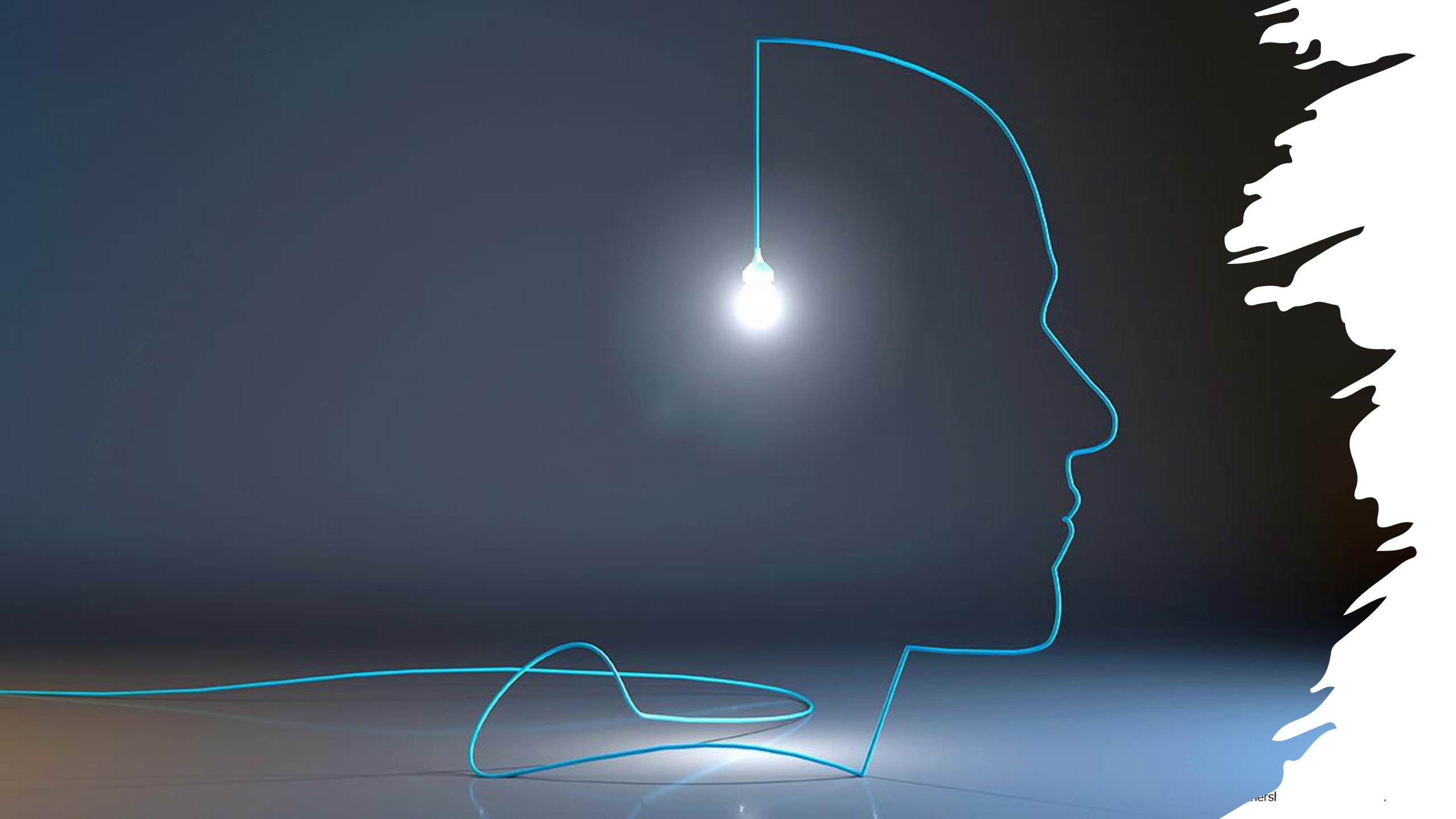


CROWD

FUNDING



516 kWp







THIS TIME FEELS DIFFERENT

WE'VE SEEN
NEGATIVE
CRUDE PRICES

WE NEED A
CARBON PRICE
\$\$\$

THE MARKET WILL LEAD THE WAY

INFRASTRUCTURE FUNDS HAVE AN
APPETITE FOR RENEWABLES

REGULATORS

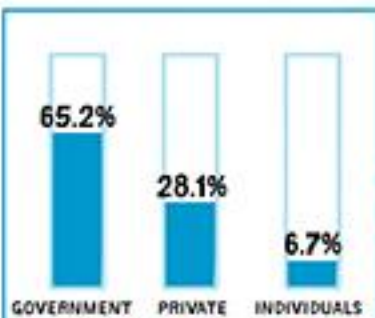
STAKEHOLDERS GOVT

DRIVERS OF CHANGE

O&G

POWER

FINANCIERS



WHO DO YOU THINK HAS
PRIMARY RESPONSIBILITY
FOR IMPLEMENTING THE
ENERGY TRANSITION?

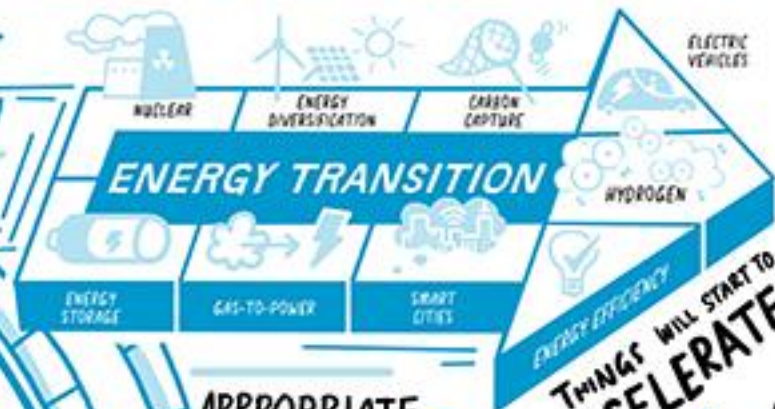
WHITE & CASE

ENERGY TRANSITION: FUNDING NET-ZERO

GAS ENABLES
TRANSITION

IT'S GREAT!
(IF YOU STAY ON TOP
OF THE LEAKS)

AREAS for TRANSITION



THINGS WILL START TO
ACCELERATE

APPROPRIATE
RISK & REWARD

ALL SOURCES OF
FINANCE MUST
BE AVAILABLE

£12bn more
for the
SECTOR

NATIONAL
INFRASTRUCTURE
BANK

EACH
TECHNOLOGY
NEEDS A
MAP

DE-RISK
CREATE FRAME-
WORKS

THERE ARE
OTHER
TECHNOLOGIES
to GET US to NET ZERO

TAKE AT
THE SPECTRUM
of TECHNOLOGY
+ PARTICIPANTS

INDUSTRIALS
& TRANSPORT

WE NEED
CONTINUOUS
POLITICAL SUPPORT

GOVERNMENT
CAN GET
BANG
FOR BUCK

BY INVESTING
IN LESS
MATURE
INDUSTRIES

Scriberia

PROJECTS



PARTNERS



University of Zagreb
Faculty of Mechanical Engineering
and Naval Architecture



REGIONALNA
ENERGETSKA
AGENCIJA KVAR

ACTIVE • SOLERA

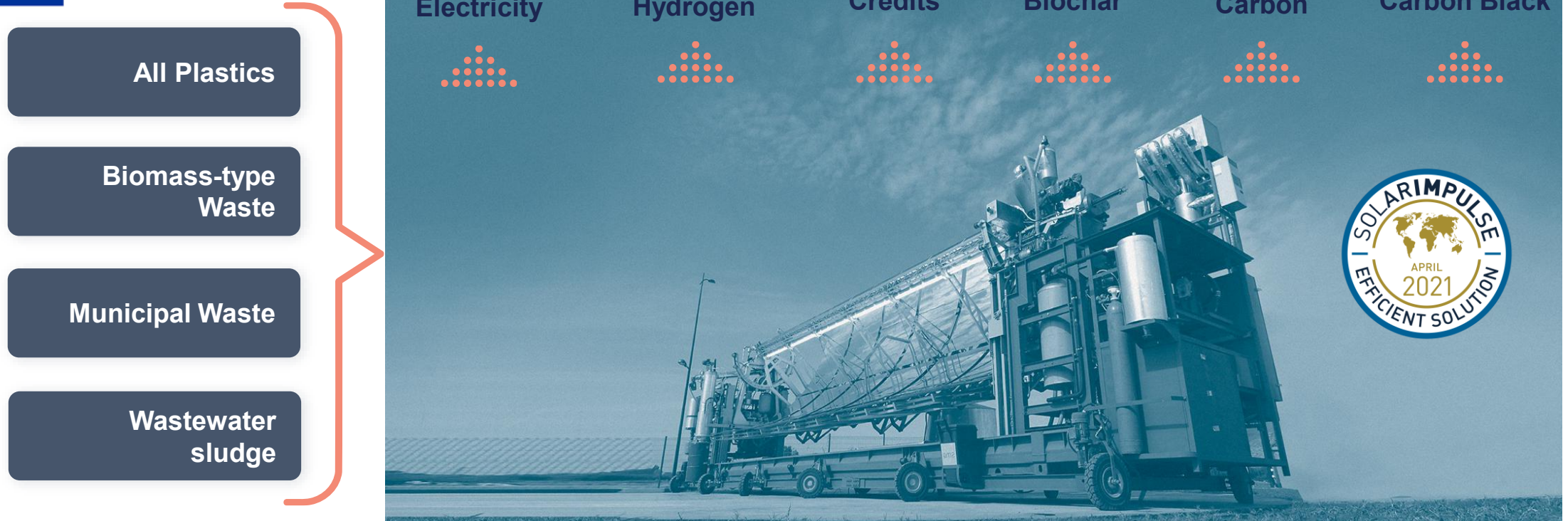


Iceland
Liechtenstein
Norway grants





From waste to green Hydrogen



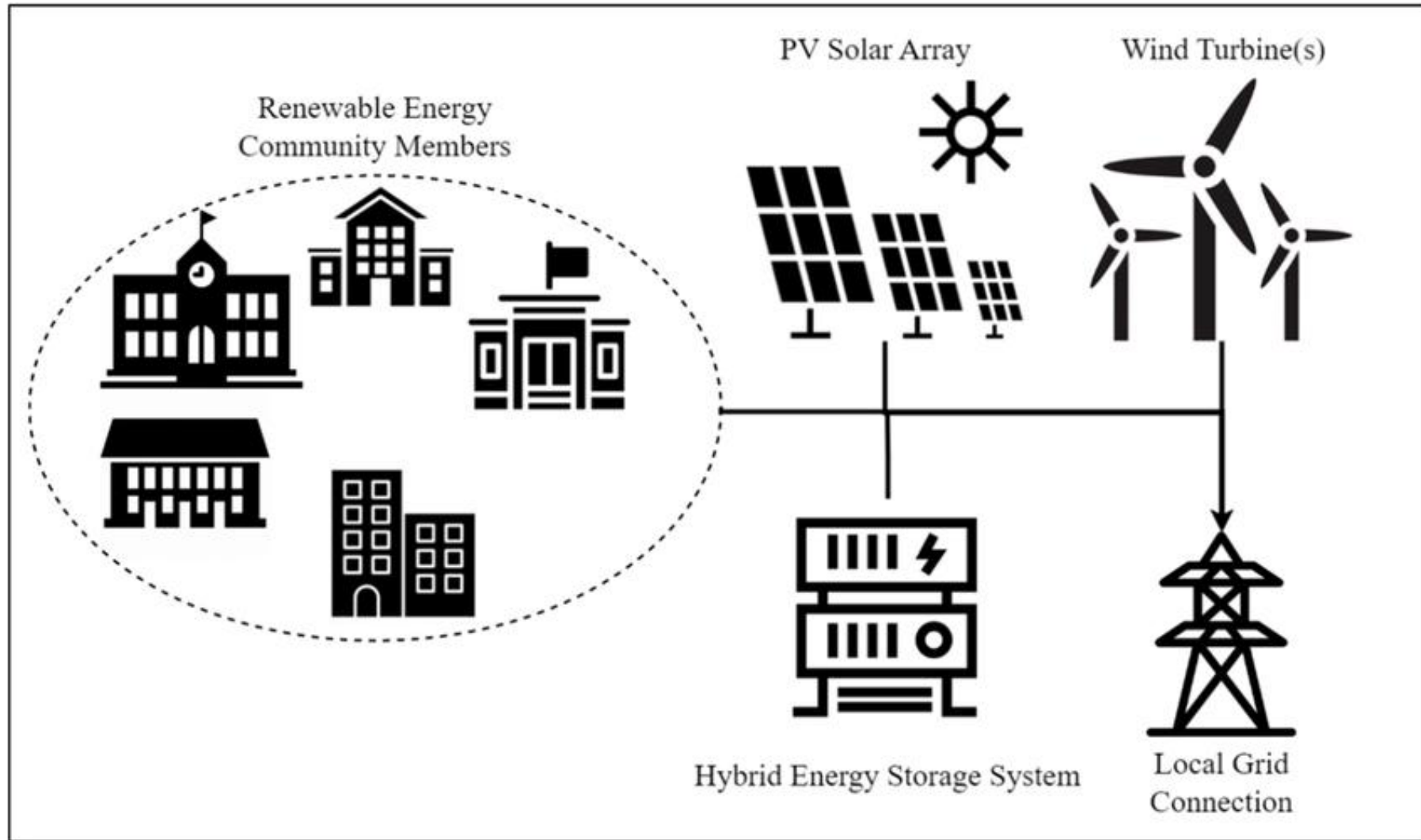
SMO Solar Process is the first solar powered, energy-autonomous waste processor transforming carbon-based waste into competitively priced Clean Hydrogen and Energy and Carbon Products, offering a dynamic carbon sink for climate change mitigation.

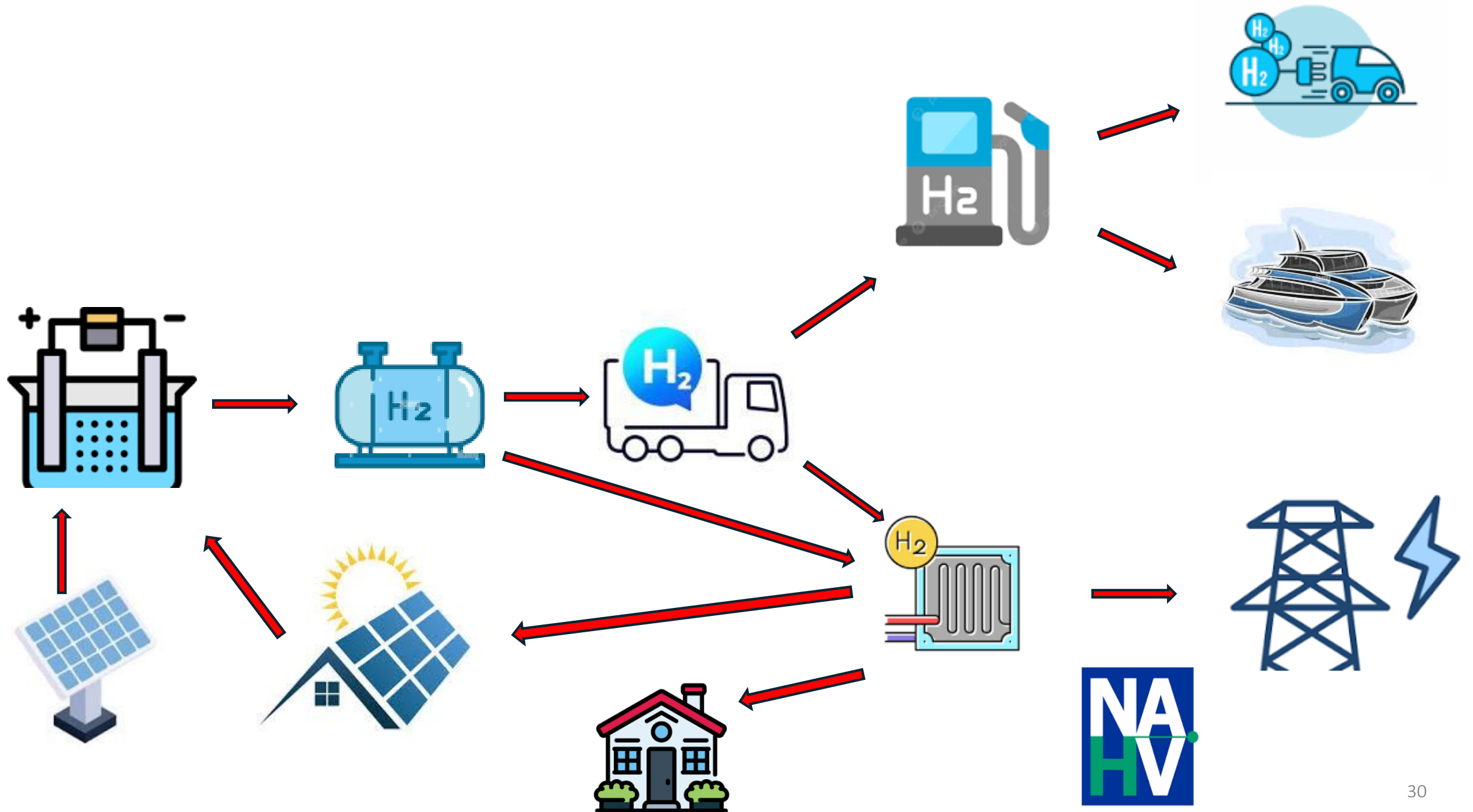


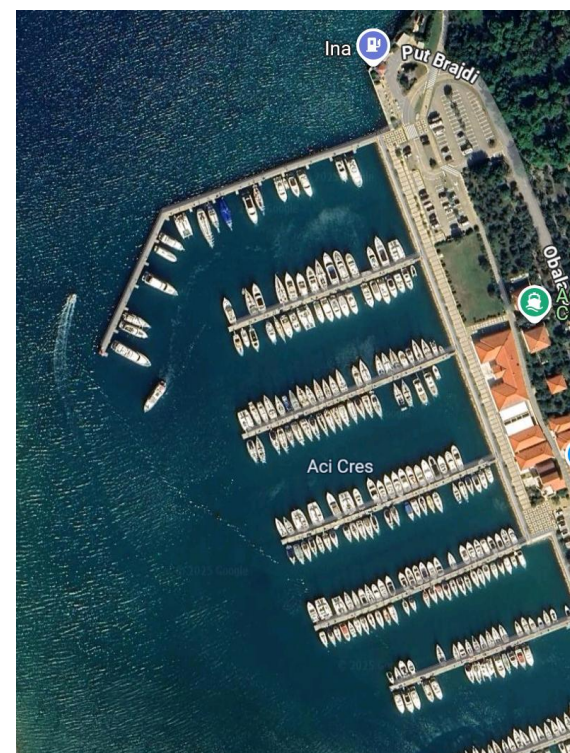
ECUBES

Hydrogen & Flexibility















A hand is pointing at a hexagonal grid. The grid consists of several hexagons. The central hexagon is blue and contains the word "INVEST" in white, bold, uppercase letters. The other hexagons are dark blue and contain white text. The text in the hexagons is: "Benefits" (top), "Risks" (left), "Business" (bottom), "Strategy" (bottom-left), "Analysis" (far left), "Return on investment" (bottom-right), "Project" (far right), and "Financial" (far right, partially cut off).

INVEST

Benefits

Project

Risks

Business

Financial

Analysis

Strategy

Return on
investment

A close-up photograph showing a person's hand placing a light-colored wooden block with the word "PUBLIC" in a bold, serif font. The block is being positioned on top of two other similar wooden blocks that are already stacked. The middle block is labeled "PRIVATE" and the bottom block is labeled "PARTNERSHIP", both in the same bold, serif font. The background is blurred, showing a person in a blue shirt. The scene is brightly lit, casting soft shadows on a white surface.

PUBLIC

PRIVATE

PARTNERSHIP





PAMETNO OTOČJE CRES-LOŠINJ

Thank you!

