



Green
INDEPENDENCE
EMPOWER EVERYBODY

...using only Sun and Water

MISSION

We make **GREEN SOLUTIONS** less expensive than **FOSSIL FUELS**



We transform
**Water Desalination into an
ENERGY POSITIVE process**

from consuming to producing energy:

-5 kWh/m³ → **+100 kWh/m³**



We reduce
**Green Hydrogen cost
lower than fossil fuel**

Levelized Cost of H₂:

10 \$/kg → **1 \$/kg**

PROBLEM #1



**H₂ DEMAND
ANNUAL GROWTH**



**REQUIRED CO₂
REDUCTION**



**CURRENT H₂
PRODUCTION COST**

Cost of green H₂ is still too high to compete with fossil fuels

PROBLEM #2



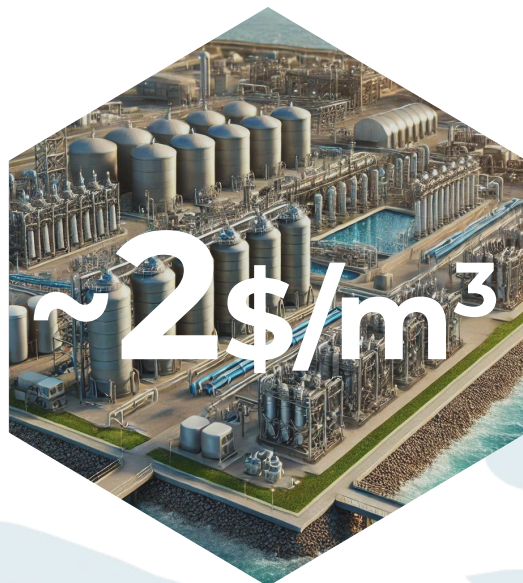
2 Bln

PEOPLE SUFFERING
WATER SCARCITY



20%

CONSUMED BY
COMPANIES



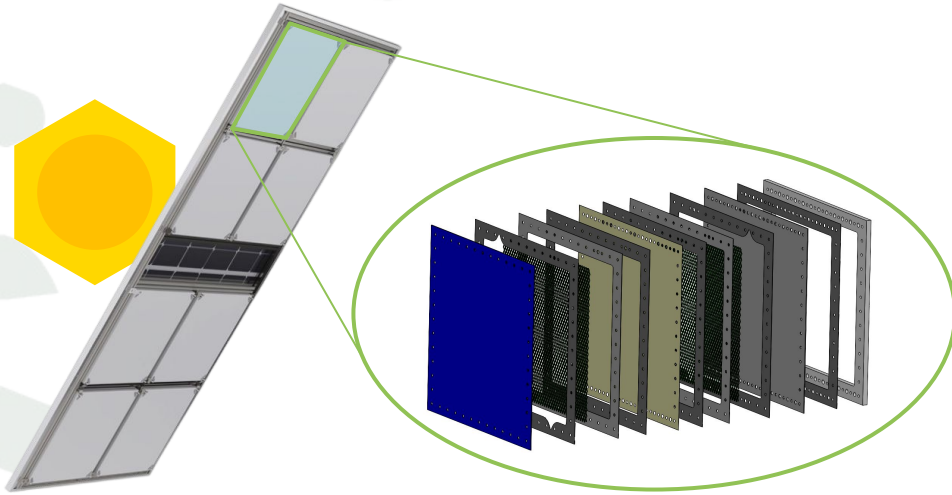
~2\$/m³

REVERSE OSMOSIS
DESAL WATER COST

Advanced water treatments like Reverse Osmosis (RO) are too expensive to be largely adopted

New Artificial Leaf

The multifunctional solar panel



Solar Energy



Water Desalination

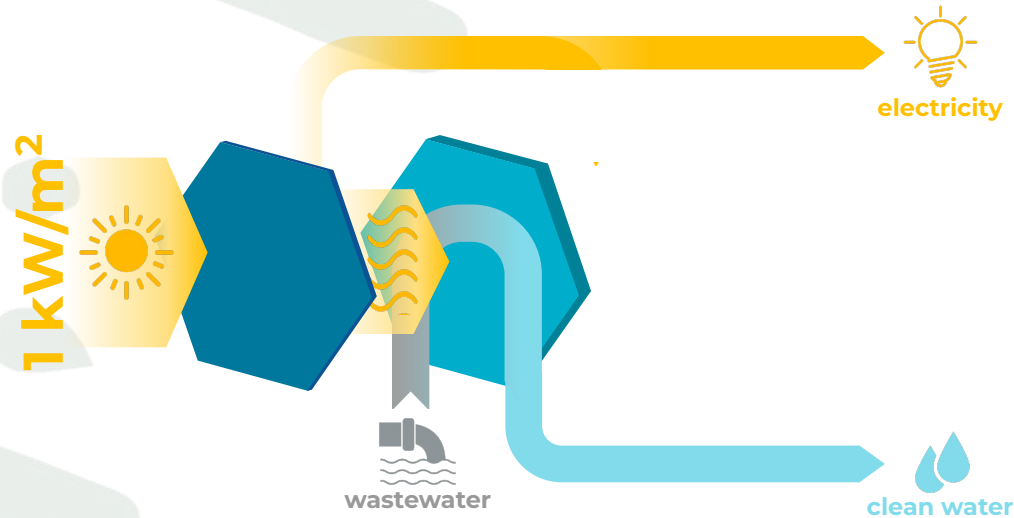


Green Hydrogen

We bundle renewable energy, water desal and H₂ production to make **green H₂ less expensive than Fossil Fuels** and transform **Water Desal into a POSITIVE energy process.**

New Artificial Leaf

The multifunctional solar panel



X3 VS 
PHOTOVOLTAIC (PV)

 **ENERGY POSITIVE**
Water Desalination

X20 VS 
REVERSE OSMOSIS

Configuration #1 - Renewable Energy + Water Desal

We harness wasted heat from PV panels to desalinate water while generating electricity, thereby tripling solar energy exploitation and making desalination an energy-positive process, by producing 20 times the energy required by standard Reverse Osmosis.

New Artificial Leaf

The multifunctional solar panel



OFF-GRID ELECTROLYZER
with ZERO PLATINUM CATALYST

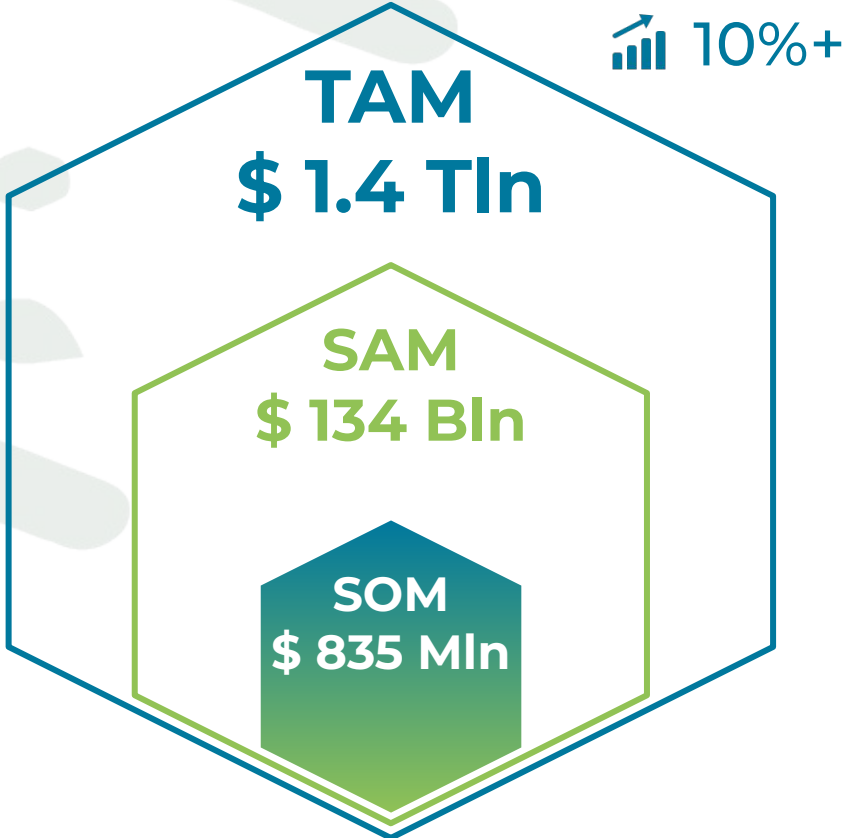
X10 VS 
ELECTROLYZER

1\$/Kg

Configuration #2 - Green Hydrogen + Water Desal

By integrating an off-grid, zero-platinum electrolyzer that uses only solar energy and a portion of the purified water, we can produce green hydrogen at \$1/kg, making it less expensive than fossil fuels.

MARKET & CUSTOMERS



B2B



Energy & Utilities



Hard-to-abate, F&B & Manuf. Industries



Heavy-Duty Transportation Infrastructures



BUSINESS MODEL

We position on the market as **Original Equipment Manufacturer (OEM)**.

Main revenue streams are:



Production & Installation

\$2,5 M/ha configuration 1

\$4,5 M/ha configuration 2



Annual Revenue Share

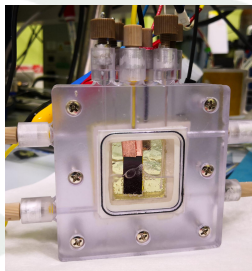
\$35-65k /ha per year



Operation & Maintenance

\$220k ha/year

TRACTION



2 POCs
\$100 k



Pilot
\$220 k ELLE

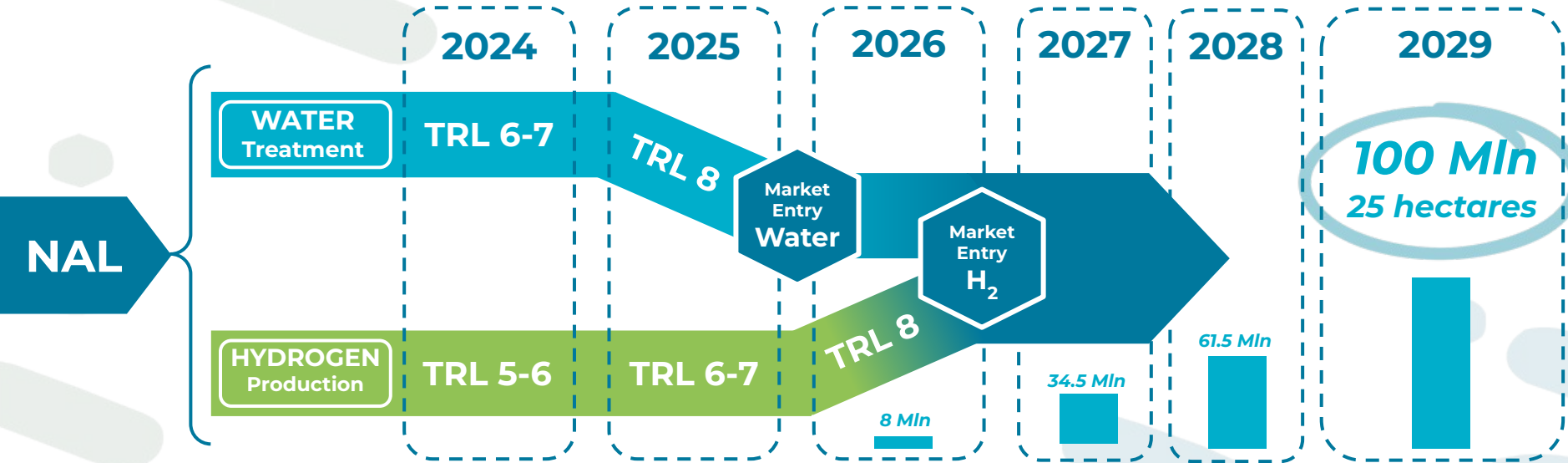
Letters of Interest & Support:



MINISTERO DELL'AMBIENTE
E DELLA SICUREZZA ENERGETICA



ROADMAP



Step #1: Renewable energy + Water desal configuration deployment by late 2025

Step #2: Green hydrogen + Water desal configuration deployment by late 2026

Projected revenues of \$100 Mln by 2029.

COMPETITORS

| | Water Desal P&L impact | Green H ₂ production cost | Modularity | OPEX | Safety measures |
|--|------------------------|--------------------------------------|------------|--------|-----------------|
|  | +10 \$/m ³ | 1 \$/kg | YES | LOW | LOW |
|  | -2\$/m ³ | N/A | NO | HIGH | MEDIUM |
|  | N/A | 10 \$/kg | NO | HIGH | HIGH |
|  | N/A | Not disclosed | YES | LOW | LOW |
|  | N/A | Not disclosed | YES | MEDIUM | MEDIUM |
|  | -1 \$/m ³ | N/A | NO | LOW | LOW |

COMPETITORS

The New Artificial Leaf is the only tech that combines and integrates into one product **water treatment** and **green hydrogen production** technologies.

2nd PATENT

**Water
Treatment**



1st PATENT

**Green Hydrogen
Production**



OUR TEAM



ALESSANDRO MONTICELLI
 Founder & CEO
 Supply Chain Expert | NAL's Inventor



MARTA PISANI
 Co-Founder & COO
 B2B Marketing & Sales Expert



FEDERICO CRESPI
 Project Coordinator
 Economics & Sustainability



MATTEO MORCIANO
 R&D S-WPM Coordinator
 Prof. Politecnico di Torino | Eni
 "Researcher of the year" 2021



NOEMI FIGLIOLINI
 Financial Advisor / CFO
 Senior Manager PwC



ALESSANDRO MONTEVERDE
 R&D ECM Coordinator
 Prof. Politecnico di Torino



ADVISORY BOARD



MASSIMO SANTARELLI
 Full Professor



LUCA BIAGINI
 Former CEO China



FABRIZIA FAGGIANO
 Attorney



VITO ALFARO
 GM Global Supply Chain



GIANCARLO AMBRUOSI
 BD Renewable Energy



We look for investors and business partners



SEED ROUND

(opening: Q1 2025)

\$5.5M

MILESTONES

1. Full Product Certification
2. 1 Product Assembly Line
3. \$8.5 Mln Yearly Revenue
4. Unlock **\$22M Italy-Grant** to expand manufacturing capacity

PAST FUNDING: **\$2.7M**

\$1.5M

equity pre-seed



\$1.2M

public grants

BUSINESS PARTNERS

1. Commercial Partnerships

- Energy / Water solutions providers
- Renewables / Solar panels producers



2. Early Adopters

- Agriculture / Food & Beverage industries (i.e. wineries, drinks producers, dairy producers)
- Hard-to-Abate industries (i.e. cement, steel, pulp & paper producers)



E&J Gallo Winery





Green
INDEPENDENCE
EMPOWER EVERYBODY

We are building
a better and greener world
empowered only by
sun and water

