



THE CHALLENGE

- Hydrogen is a key clean energy solution for the global transition
- Large natural hydrogen reservoirs exist underground
- They are extremely hard to detect with current methods

BREAKTHROUGH TECHNOLOGY FOR WHITE HYDROGEN DISCOVERY



AI Analysis
Layer

Airborne
Laser
Based

Data
Validation

MicroSat
Expansion
Path

OUR INNOVATION



AI-Based Satellite Analysis

Detect high-potential H₂ sources via machine learning and proxies modeling



Airborne Laser-Based Validation

Deploy proprietary sensors to confirm H₂ presence



Defensible Tech Stack

Unique combination of public +private proprietary sensing data, high barrier to replication

THE FOUNDING TEAM

Prof. Colin Price, leading atmospheric scientist at Tel Aviv University, specializing in the weather, climate change and remote sensing.

Dr. Jacques Amselem, experienced entrepreneur and technologist focused on sensing innovations and their commercial applications.

A HUGE MARKET OPPORTUNITY

If the H₂ discovery issue is solved, H₂ is key to the energy transition.

- **\$7.7 B** allocated by the EU for 2030
- H₂ Exploration firms grew **15x** in 4 years
- By 2034: **\$500B** green H₂ market

AI DATA CENTERS & WHITE HYDROGEN

Element One helps unlock white hydrogen to **power future AI data centers** sustainably

Co-locating near hydrogen sources enables energy independence and resilient infrastructure

Enables **climate-aligned** infrastructure for hyperscale computing and ESG-driven growth.