Project 1. ENERGY

Cost-effective, efficient electricity generation systems harnessing energy from all degrees of freedom of motion and oscillation of wind, currents, tides, and waves.

Humanity's consumption in 2025: ~28,307 TWh

But how much energy does our planet have?

By the most conservative estimates:

Total wind energy: ~7,884,000 TWh = 279 times humanity's consumption.

Total ocean energy: ~2,055,556 TWh = 73 times humanity's consumption.

⇒ The renewable energy potential is simply enormous.

Sources:
https://esd.copernicus.org/articles/2/1/2011/esd-2-1-2011.pdf
https://www.ipcc.ch/site/assets/uploads/2018/03/Chapter-6-Ocean-Energy-1.pdf

Key limitations of existing solutions:

1) High costs and complexity of installation and maintenance.

2) Excessive weight and structural loads.

3) Scalability challenges.

4) Limited site suitability.

5) Inability to capture low wind speeds below 2.5-3 m/s.

6) Must shut down in high winds above 20-26 m/s.

7) Required spacing of 3-5 rotor diameters between turbines!

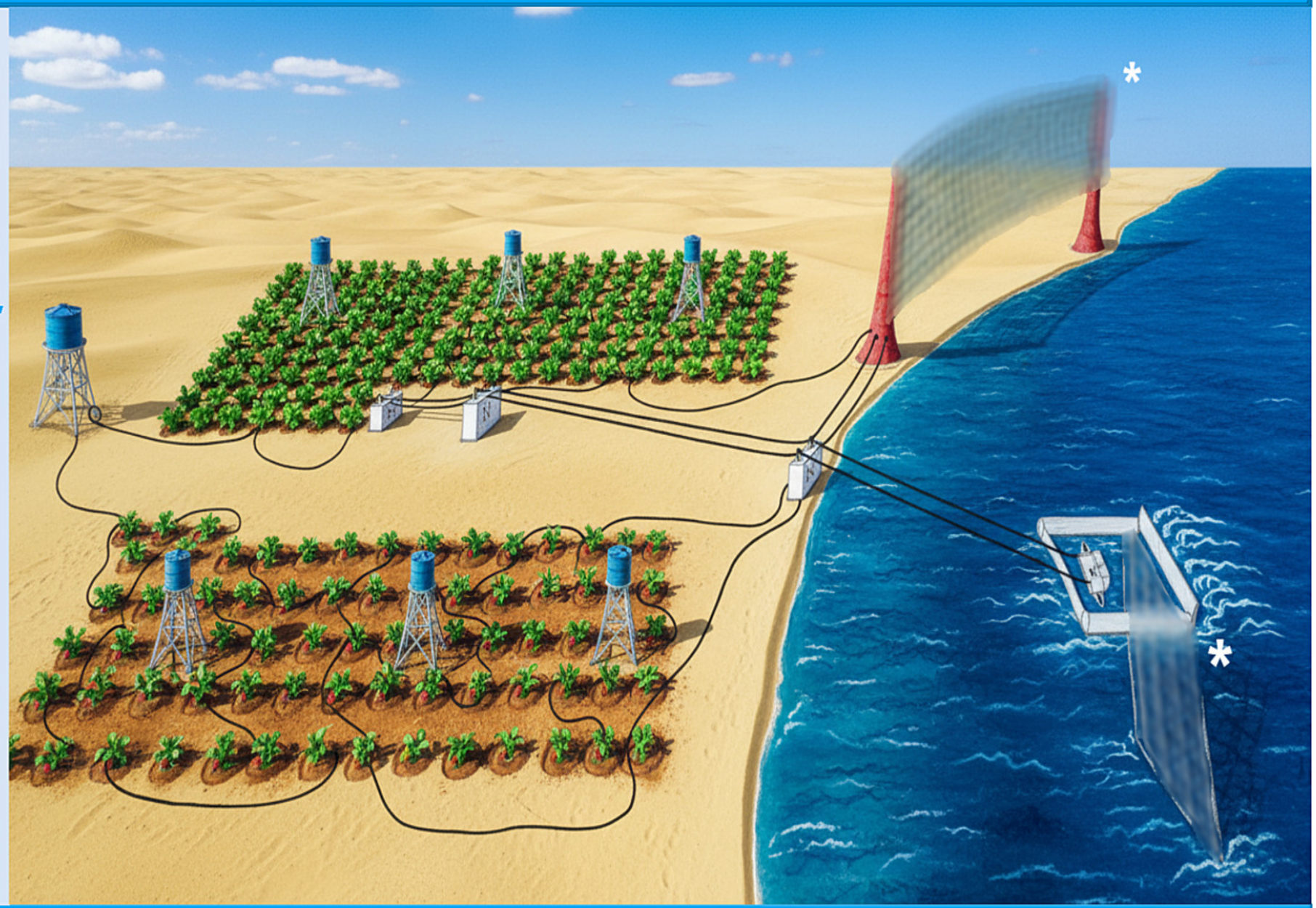
4. SOLUTION

Project 1. ENERGY

We offer modular and easily scalable systems for efficient electricity generation from wind, ocean currents, tides, waves.

Deployment flexibility: virtually any location - plains, highlands, mountains, buildings, towers, bridges, coastal areas, offshore platforms, open ocean, and underwater installations.

***Technical details: available after PCT application filing**



Our Energy Harvesting Philosophy:

We believe energy should be captured wherever it naturally occurs:

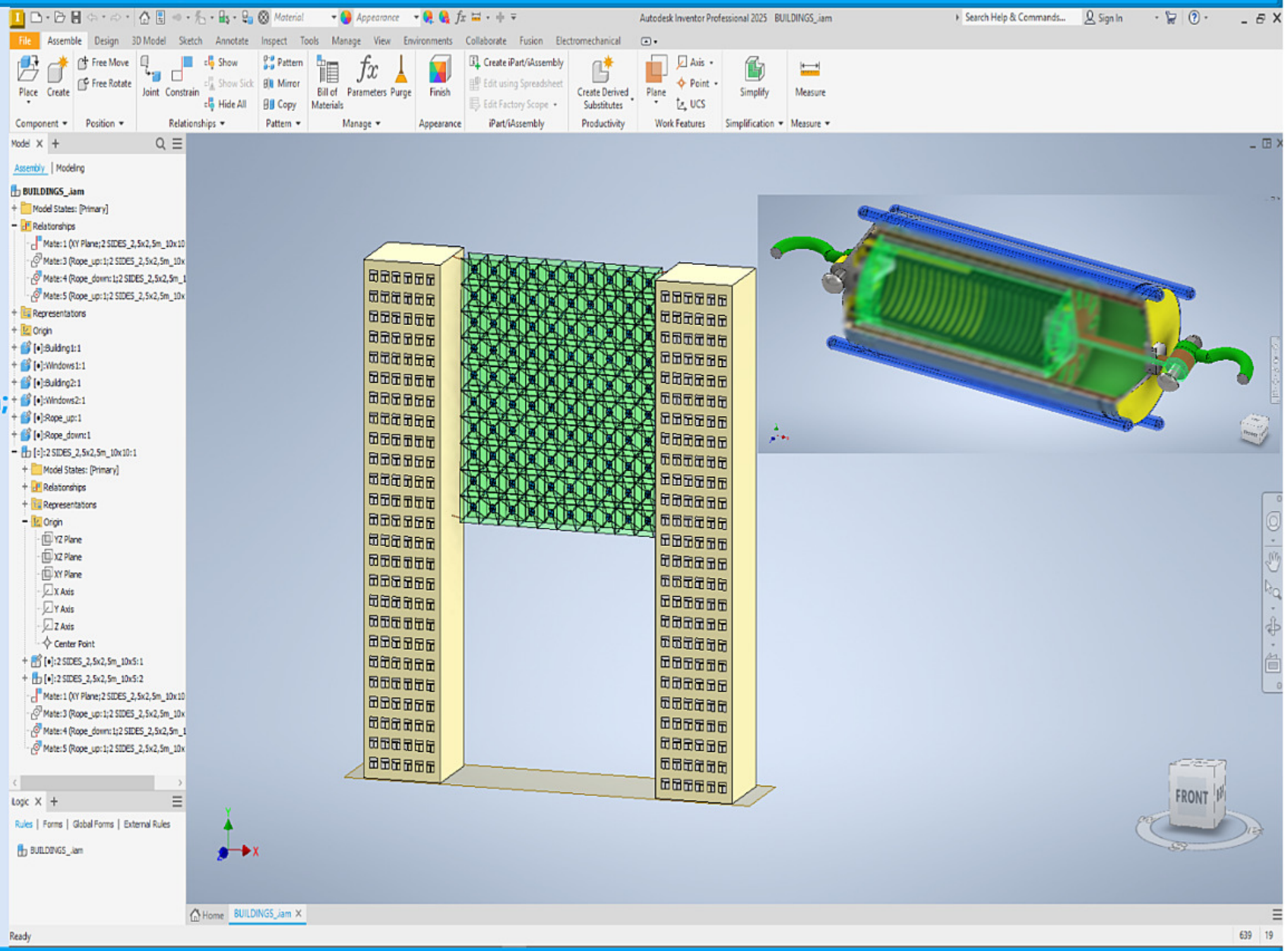
- **Between and above buildings (including aerostat-based systems);**
- **Around towers and existing wind turbine infrastructure (both operational and decommissioned);**
- **Between bridge supports;**
- **Underwater: coastal zones and open ocean;**
- **Offshore platforms;**
- **Wave energy sources.**

Beyond conventional harvesting:

Energy capture should extend beyond translational motion of wind/water flows to include:

- **Flow variations and oscillations;**
- **Structural vibrations;**
- **Mooring lines and cable movements;**
- **Transportation system dynamics.**

(Such devices will be announced in Project 2. ENERGY DEVICES)



KEY ADVANTAGES

1) Complete flow capture – entire wind/ current/wave front captured without gaps.

2) Modular deployment – cells positioned exactly where resources exist.

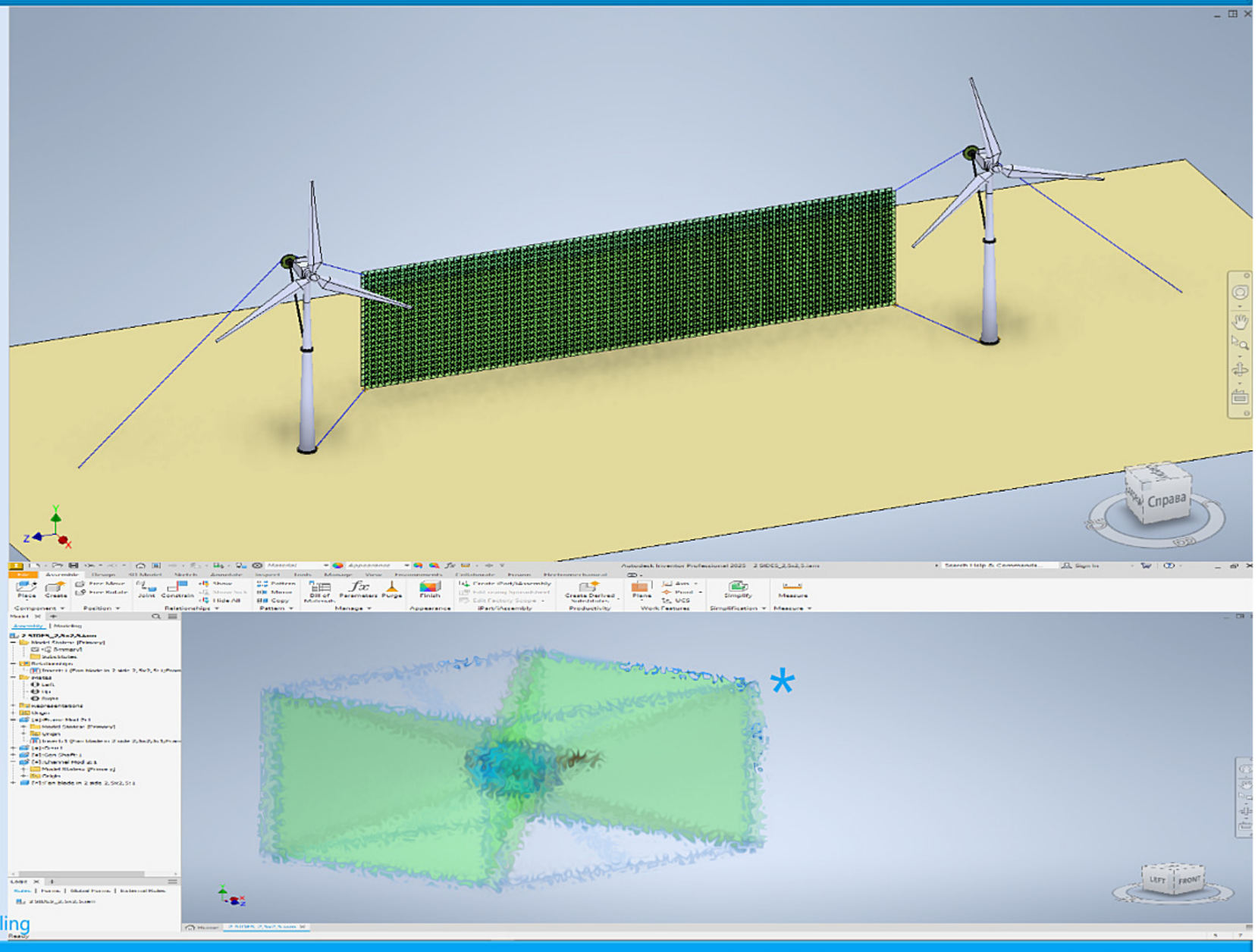
3) Cost competitive – systems from $2K; LCOE ~50% below current minimums (~$37/MWh onshore, ~$70/MWh offshore).

4) Marine-ready – built-in biofouling protection.

5) Enhanced durability – load distributed across cells reduces component stress.

6) Multi-directional generation – power from all degrees of freedom and movement.

7) Wide operating range – functions across the full velocity spectrum with overload protection.



*Technical details: available after PCT application filing

Global investment in the energy transition hit $2.1 trillion in 2024, up 11% on the previous year and a new record. [Bloomberg]

Mainland China's accelerated investment in 2024 means that it has widened its investment lead against other countries. With $818 billion invested in 2024, it is funding the energy transition at more than twice the rate of any other economy. [Bloomberg]

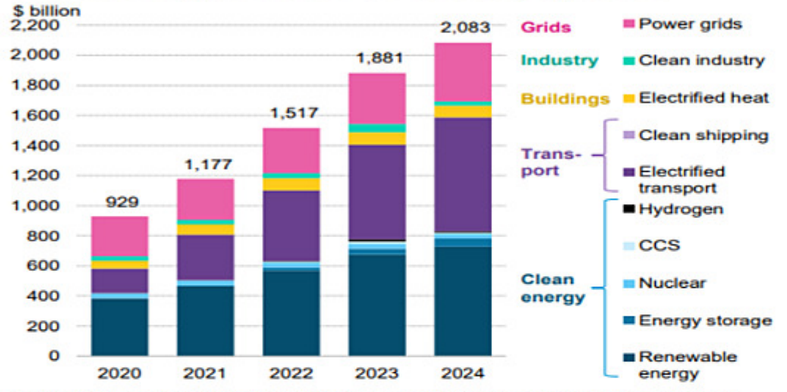
Global electricity consumption reached 28,307 TWh in 2025 [IEA], with projections estimating an increase to 51,000–71,000 TWh by 2050 [McKinsey].

$2.08 trillion Global energy transition investment in 2024

$130 billion Global clean energy supply chain investment in 2024

$1.06 trillion Total debt and equity raised for climate/energy transition in 2024

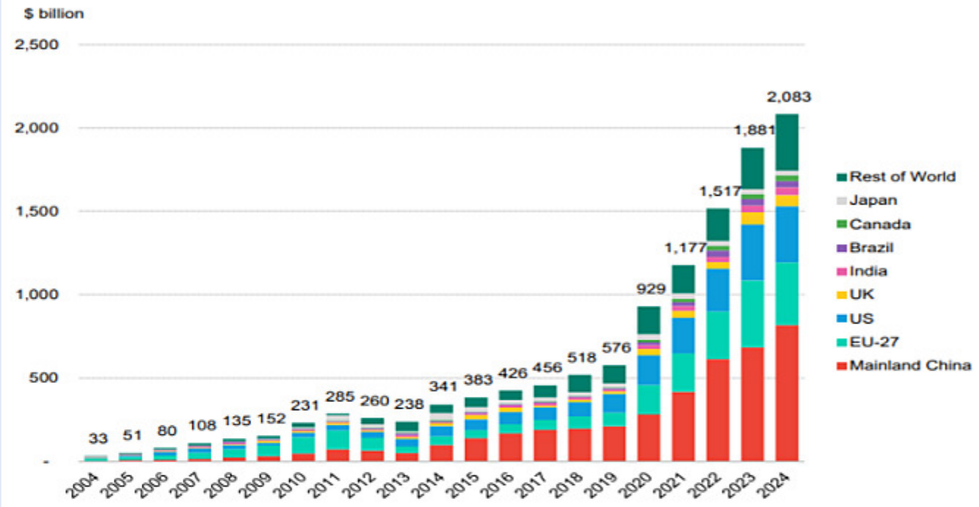
Global energy transition investment, by sector



Source: BloombergNEF. Note: Start years differ by sector but all sectors are present from 2020 onwards – see Methodology. Most notably, nuclear figures start in 2015 and power grids in 2020. CCS refers to carbon capture and storage.

Mainland China is back in the growth-driving seat

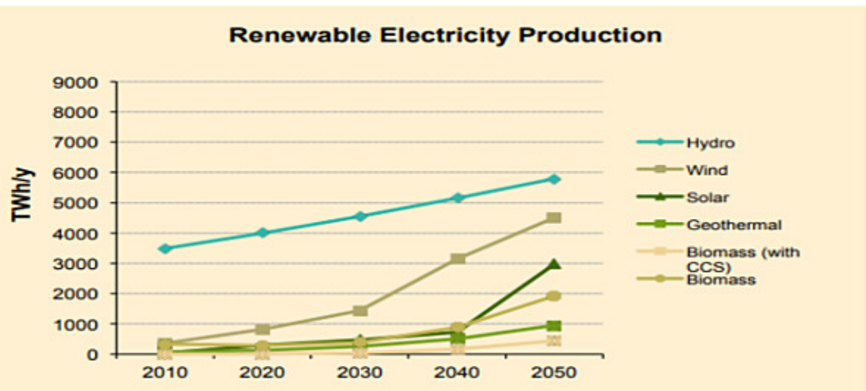
Global energy transition investment, by economy/bloc



Source: BloombergNEF. Note: Start-years differ by sector, but all sectors are present by 2020. The step-change in 2020 is caused in part by the addition of power grids into the scope from that year onward. (EU investment total corrected in chart and text on March 5, 2025.)

Figure 6 – Growth in renewables electricity production

Source: World Energy Council



TAM (Total Addressable Market) = wholesale electricity market: ~$1.8 trln./year [Statista].

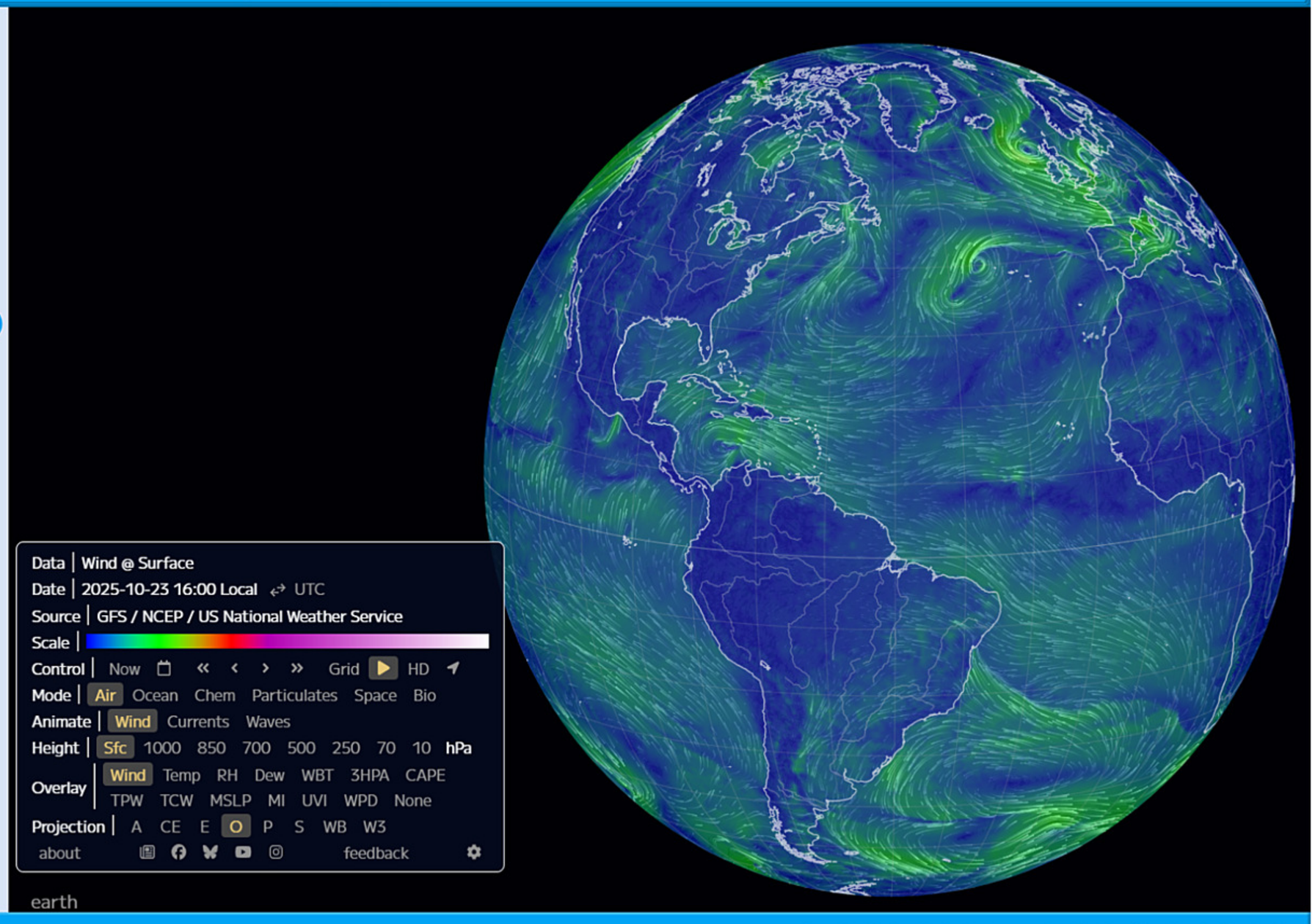
Assumed:

SAM (Serviceable Addressable Market) ≈ 30–50% of TAM [McKinsey] ≈ $720B/year.

SOM (Serviceable Obtainable Market) ≈ 5–15% of TAM [McKinsey] ≈ $180B/year.

Gross Profit ≈ 66% of SOM [Investopedia] ≈ $119B/year.

Net Profit ≈ 11% of SOM [Investopedia] ≈ $20B/year - target to achieve within 5 years.



9. PLAN EXECUTION

Project 1. ENERGY

Objective:
Advance the design to achieve the best performance-to-cost ratio in the market.

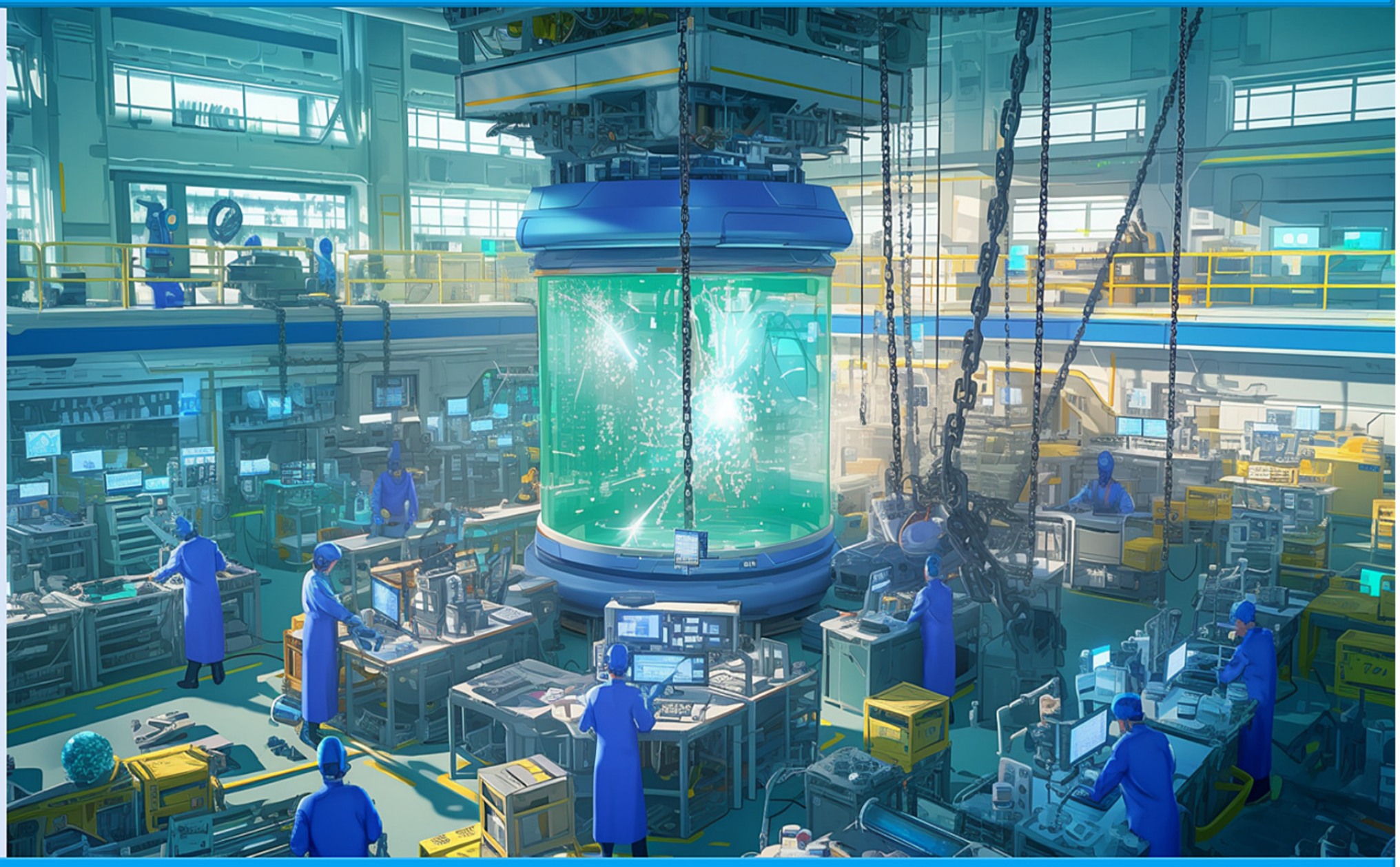
SALES CHANNELS
1. Electrification of Remote & Off-Grid Areas: islands, resort complexes, and territories / settlements / communities disconnected from centralized power grids.
2. Direct-to-Consumer Sales:
- Online sales through company website;
- Crowdfunding platforms (pre-orders before product completion).
3. Sales to Energy Sector Partners: electric grid companies and energy suppliers.
4. Energy Transition Partnerships:
- Transition from hydrocarbon-based electrification to renewable energy solutions;
- Collaborations with: municipal governments, environmental organizations, charitable foundations, national authorities, UN.

Ed Braun, CEO

Lomonosov MSU,
Faculty of Physics
Management: 9 years
Production management: 8 years
Total industry experience:
≥ 12 years
Sales: 6 years
Deep science: 5 years
26 PCT applications in progress
Superpower: elegant technical solutions

Dmitry Filipiev, COO

R&D в Edtech, Fintech, E-comm:
≥ 6 years
Data-driven leader (Ex. data leader UzumBank, Westwing, Skillbox, Emex): ≥ 7 years
Superpower: unshakeable morale booster



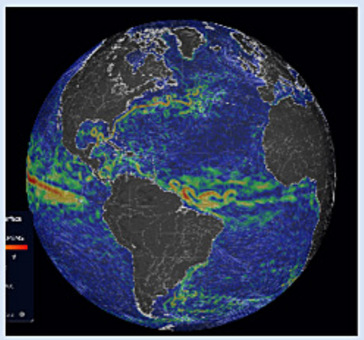
№	STAGE	DURATION	INVESTMENT
1	Company Formation & Setup	1 month	$10K
2	Patent Application (PCT)	1 month	$10K
3	Equipment	1 month	$700K
4	MVPs Design & Development	12 months	$1.2M
	Pre-seed Total:	**1** year **3** months	$1.92M
5	First Industrial Prototype Design	3 months	$600K
6	Pre-production Prototype Development	4 months	$700K
7	Advertising, crowdfunding platforms	1 month	$80K
8	Mass Production Launch	4 months	$800K
	Seed Total:	**1** year	$2.18M
	TOTAL:	**2** years **3** months	$4.1M

Project 1. ENERGY

Earth's Kardashev Scale Rating: ~0.73 (~0.02% power consumption of Type I civilization)

— let's fix it!

Cheap, clean energy will accelerate AI and human progress!



— let's fix it!