



ENERGY
INDEPENDENCE

Energy Independence

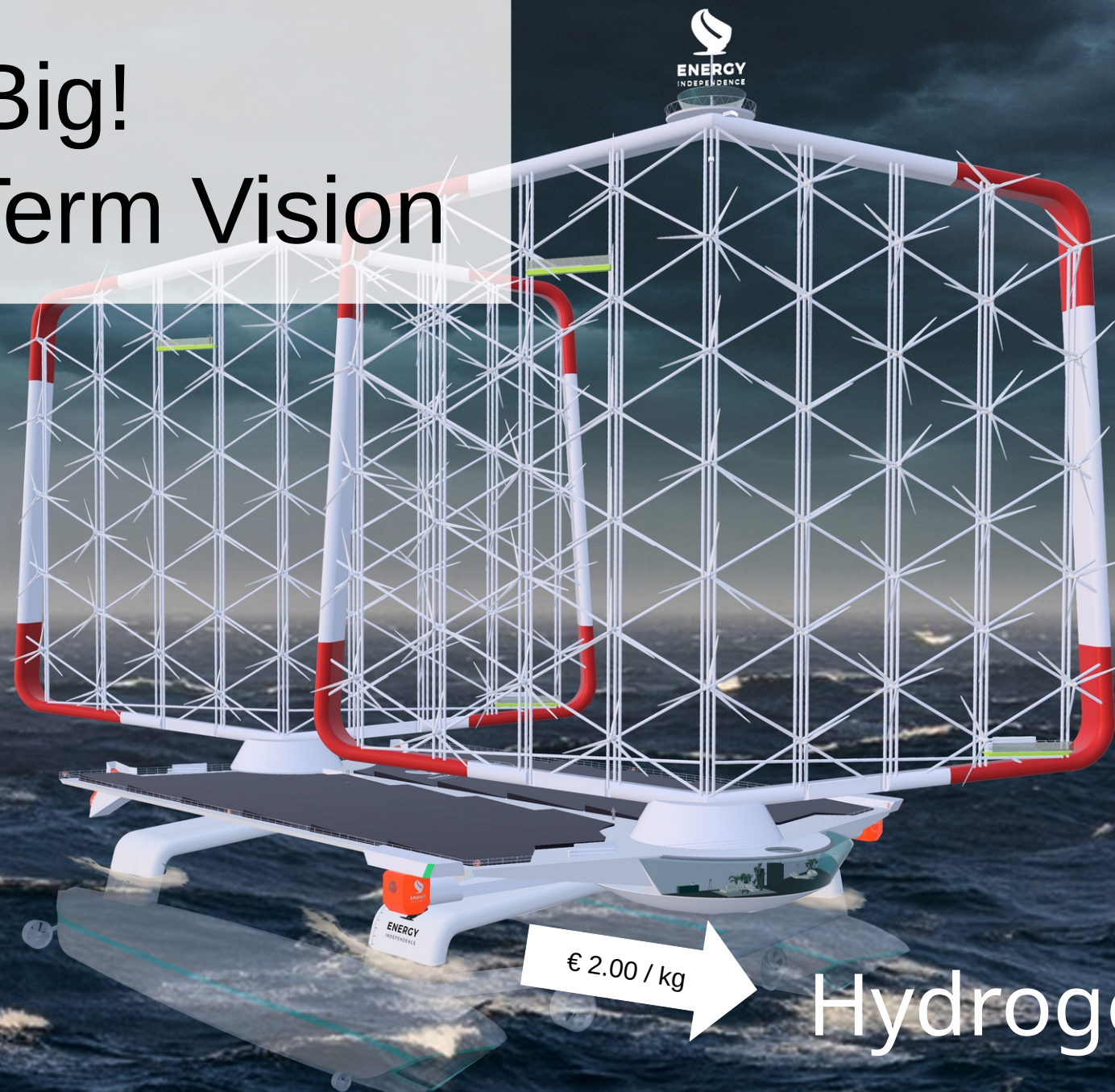
Determining a European
Hydrogen Strategy

Project development for
sustainable energy
investments

Think Big! Long-Term Vision

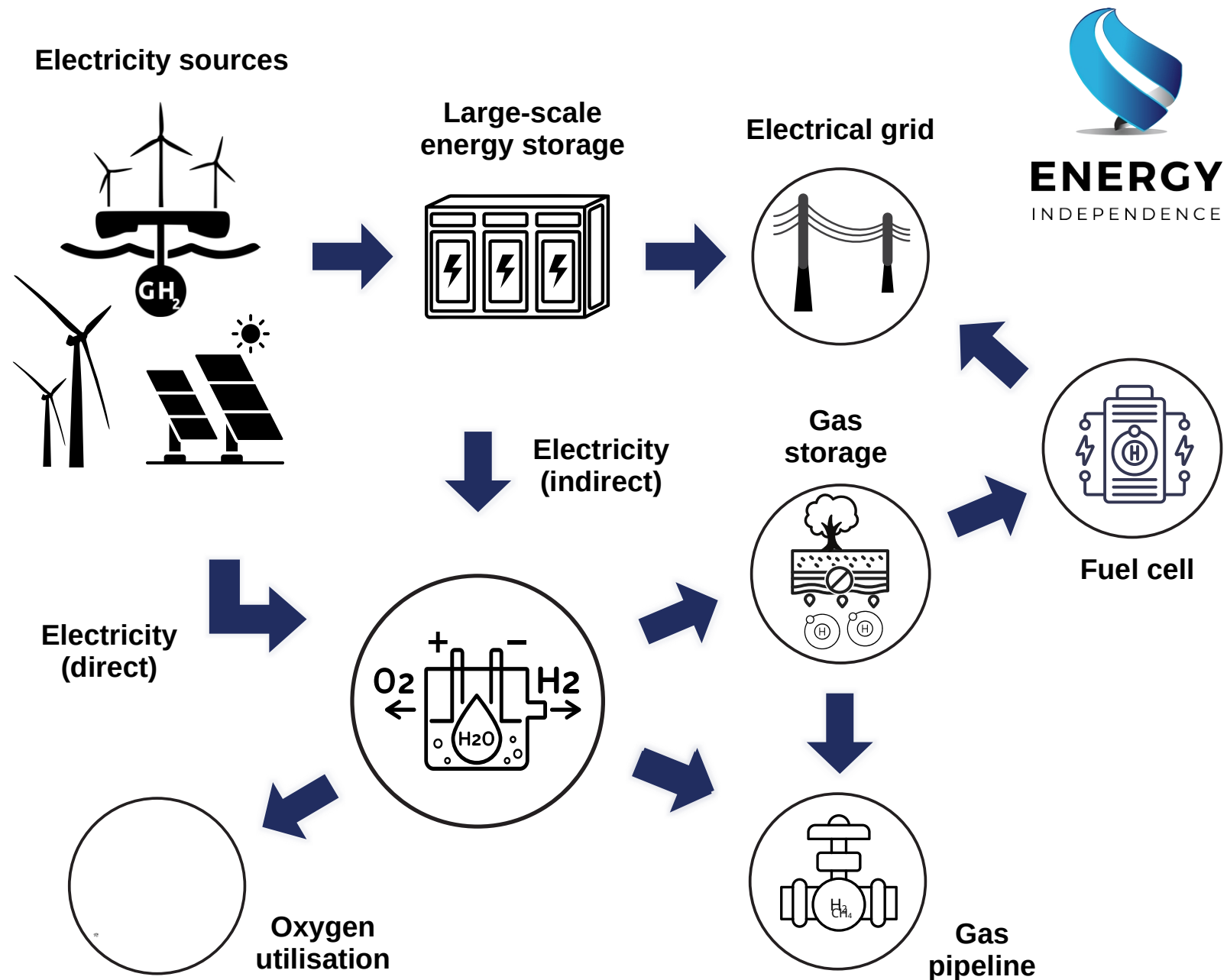
Electricity*

*) Zero OPEX



Short-Term Assets

- Investment in overall solutions and systems
- Use of available technologies as key to success
- Take unused resources into account (e.g., waste heat)
- Possibly starting tomorrow



Hydrogen for long-term energy storing



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	Short Summary	Research	Energy	Industry	Investment
Energy Harvester 	Visionary approach for large-scale productions	- Fraunhofer HQ Munich - AIT	- Regulatory authority for electricity, gas - Energy supply company - Grid operator	- H2 + O2 plant contractors and operators - IT/OT/AI	Business angels and venture capital
Multi-Use Energy Platform	Local project development example: The goal of the project is to develop, validate, and demonstrate an integrated EMS framework for hybrid BESS-H2 systems under real-world Austrian market and grid conditions - with a focus on the Burgenland region as a model state with a high share of renewable energy.	- Fraunhofer Austria - Hochschule Burgenland (University of Applied Sciences)	- IV-Burgenland - Burgenland Energie - Netz GmbH - E-Control - APG	- Schmachtl for BESS - H2-Partner of EI - X-Net for EMS-NG	Beneficiary
Projects for Hungary and Slovakia	How can a modular hybrid large-scale storage system (battery & hydrogen) be further developed into a stable multi-use energy platform that orchestrates grid services, energy markets, and PPA-related tariff models - technically, economically, and regulatorily - within a next-generation EMS ?	Applied research organisations	- Regulatory authority for electricity, gas - Independent power producer	- System operators - Plant contractors & operators	Investment in project developments

Team

Stefan Fazekas



PROJECT DEVELOPMENT

Over 40 years in national and Europe-wide program-/project management mandates in transport, public safety, ICT, Energy & Utilities. Field evaluator with the European Commission – H2020 SMEINST

Nikolaus Dürk



TECHNICAL LEAD

Over 25 years leading an innovative tech company as founder and managing director. Visionary, driving force and key person for various major developments in IT security, industrial process automation and hardware innovations.

Katharina Kloiber



FUNDING & FINANCIAL

20 years of experience in innovation management and leading of research and development projects. Financial responsibility for growing companies. Chairwoman of Klimaverbund research association to work on sustainability in SME. Part of the Austrian initiative WOMENinICT.

Stephan Puxkandl

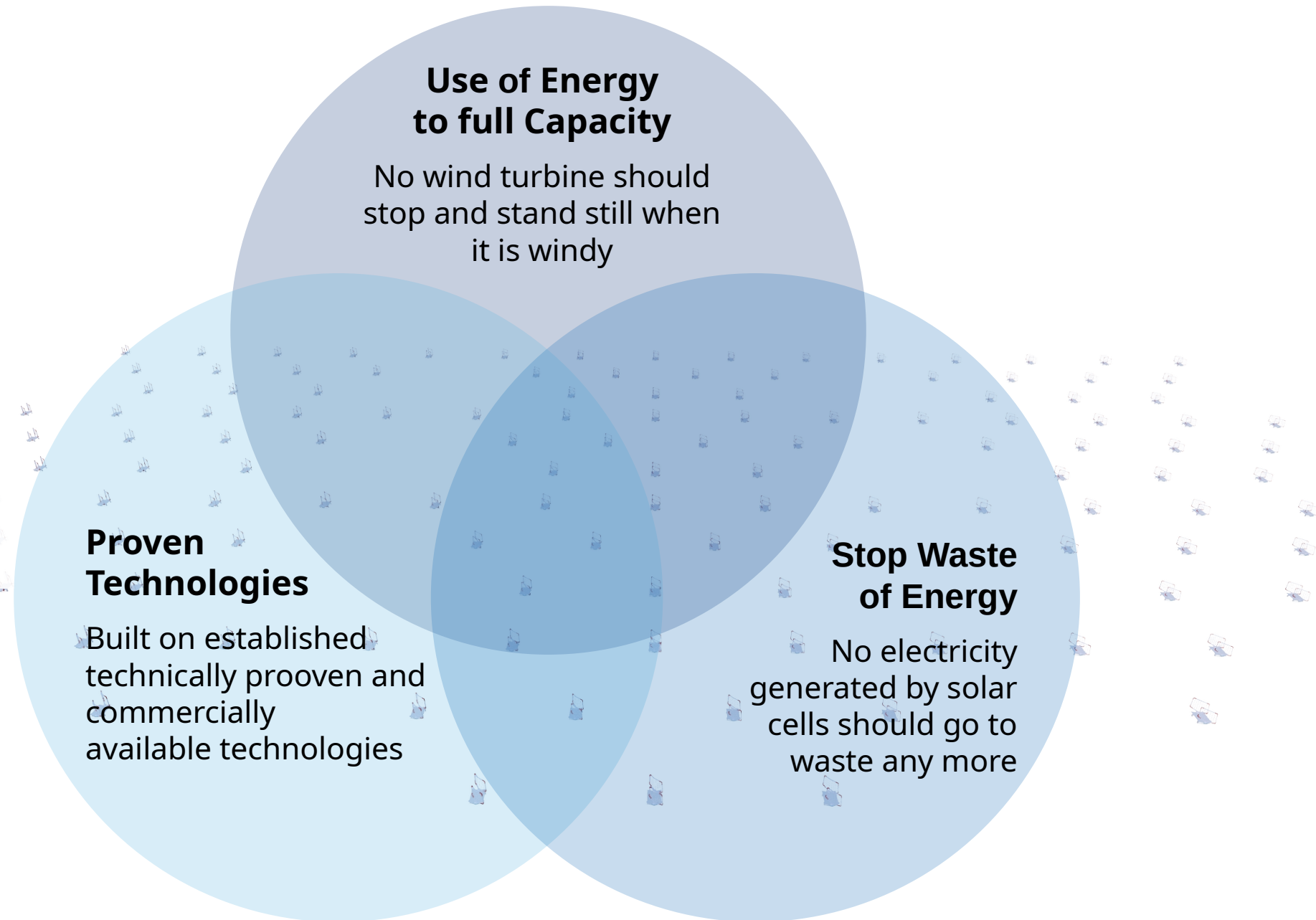


BUSINESS DEVELOPMENT

Experienced CEO with a strong record of building and leading high-tech start-ups and multinational companies. Holds a Master's degree in Mining Engineering from MUL and an MBA from SMA University. Well versed in funding programs such as FFG, aws, Horizon Europe, IPCEI, and others.

Conclusio

What we need is the financial capacity to take the first steps and realise overall solutions.



From Research to Reality. Together.



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TOMORROW TODAY



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