

ABO Wind AG

Power-to-X Finland

May 2023



01

Company profile

Company profile

Project Development & Construction



Founded in 1996

currently > 1,000 employees



Headquarters in Wiesbaden, Germany

28 office locations worldwide



Core business is development & construction

of wind & solar farms and battery systems



So far ~5 gigawatts realized

2 gigawatts of which also built by ABO Wind



~ 5 billion euros investment volume

in projects



Project pipeline of 21 gigawatts

under development worldwide, mostly in Europe
(+ additional 20 GW hydrogen pipeline)



International Orientation: Project Development in 16 Countries



Company profile

Value Chain



Site Acquisition

- Site identification
- Land lease agreements
- Checking grid access



Development

- Site appraisal
- Analysis of wind and irradiation
- Feasibility calculation
- Selection of plants and park layout
- Obtaining permit



Financing

- Structuring of financing
- Securing of remuneration
- Conclusion of loan agreements
- Approaching of investors



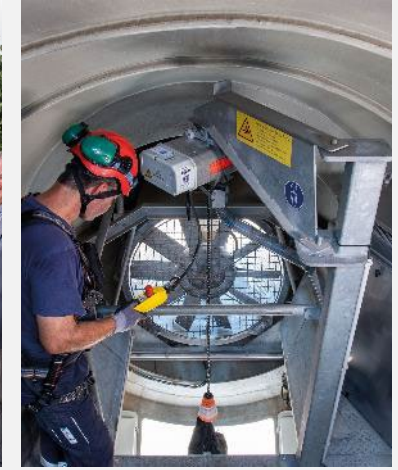
Construction

- Grid connection
- Infrastructure
- Construction Management (wind)
- Construction of solar farm
- Commissioning



Sales

- Sale to operator (e.g. institutional investor, utility)
- Citizen participation
- Increasing acceptance



Services

- Operational Management
- Maintenance
- Technical Assessments
- Products (e.g. ABO Lock)

Company profile

In-House Expertise



- **Site Assessment**
prepares internal yield assessments at an early stage



- **Electrical Department**
with dedicated specialists for grid connection and transformer stations



- **Construction Department**
finds solutions for complex sites, stony or sandy subsoil, cold and hot climates, etc.



- **Hybrid Energy and Hydrogen Projects**
combining different technologies
(wind, solar, battery, H₂)



- **Environmental Experts**
implement compensation measures



Company profile

ABO Wind Oy



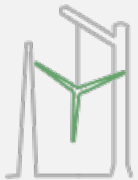
Activities in Finland started 2013

Office in Helsinki, ~50 employees



Nine wind farms in operation

76 WTG - 300 MW



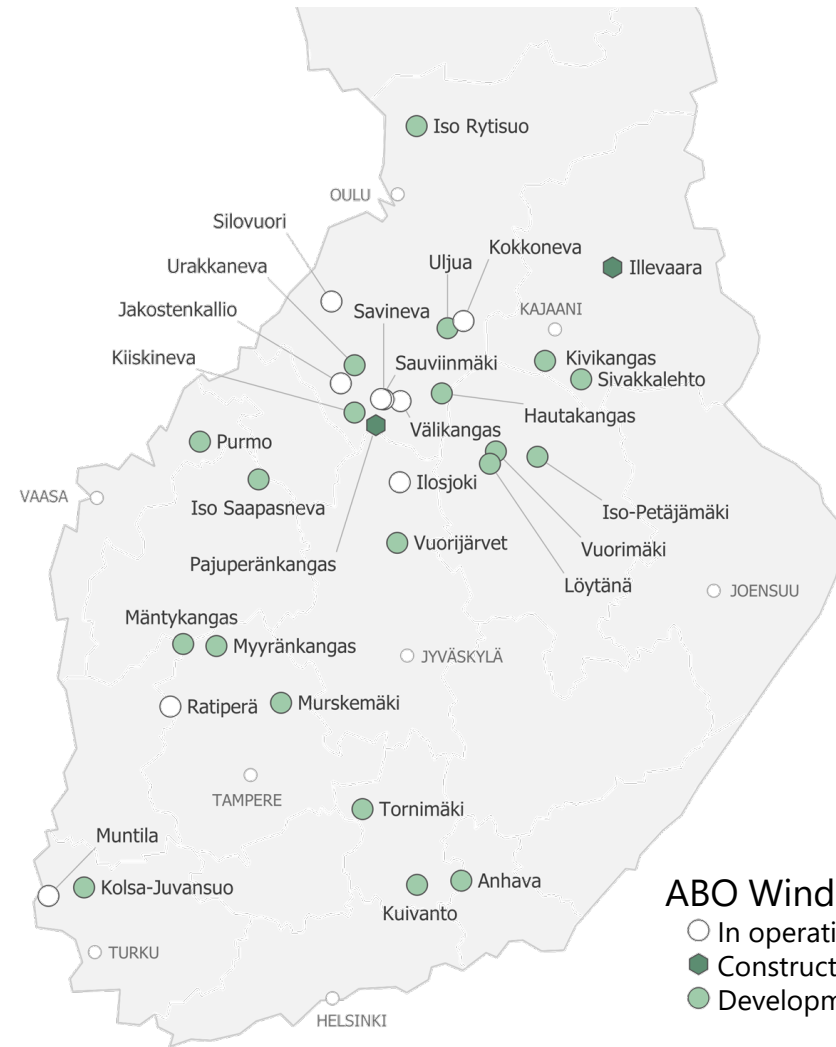
Two projects under construction

- Pajuperänkangas in Haapajärvi, 14 WTG; ~90 MW
- Illevara in Hyrynsalmi, 5 WTG; 30 MW



20 projects in development phase

~5500 MW



02

Green Hydrogen

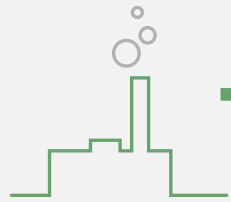
Green Hydrogen

Different business approaches



- **Large-scale H₂ production for export**

Development of export projects in regions with favorable conditions, including conversion (e.g., ammonia) and shipping or pipeline injection



- **Hydrogen solutions for industry**

such as refineries, steelworks, chemical industry, or fertilizer production



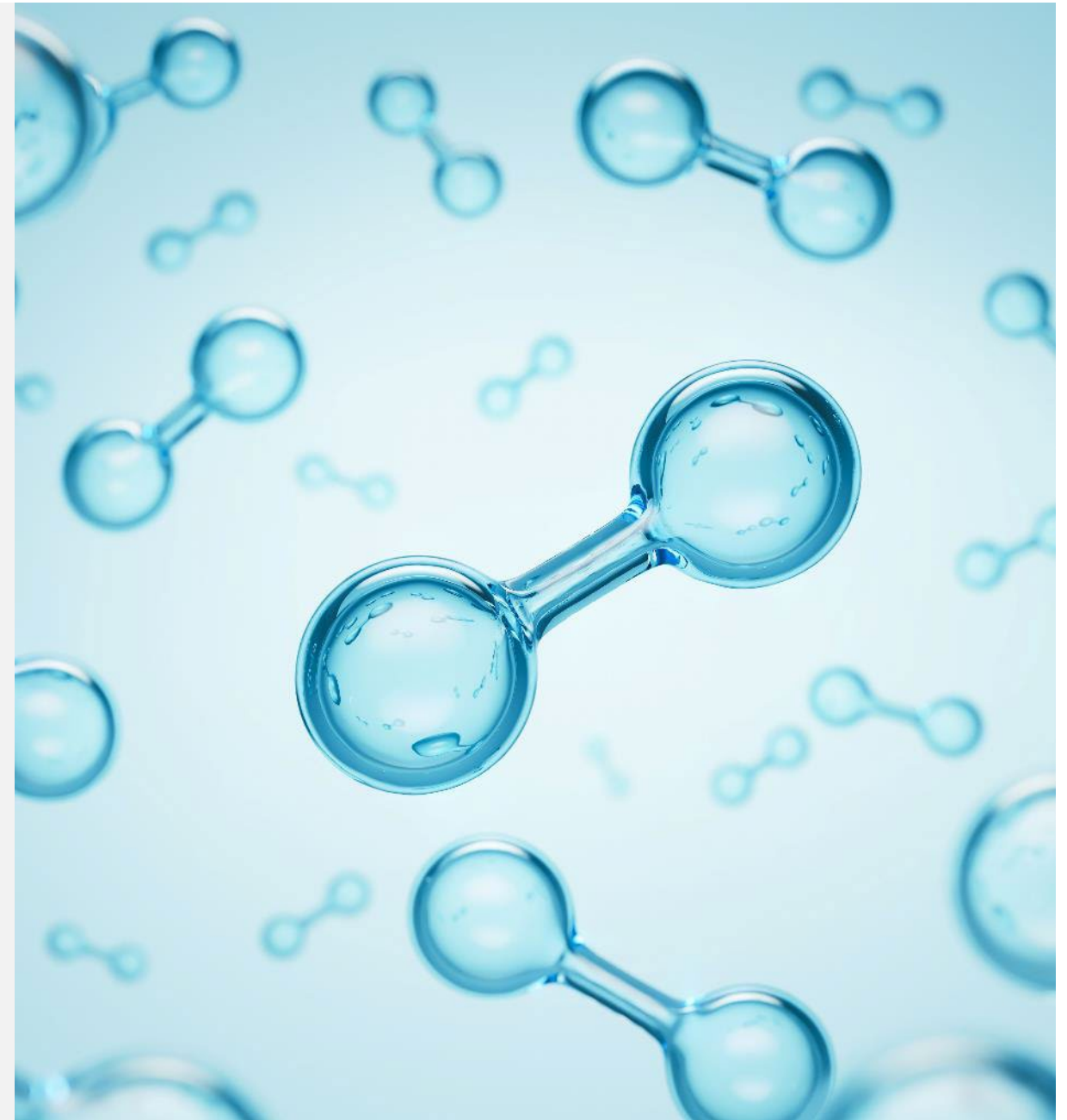
- **Turnkey integrated hydrogen solutions**

including development of renewable energies, electrolyzer, storage and filling stations



- **Green electricity for hydrogen producers**

Provision of green electricity for third-party hydrogen projects, e.g. via PPAs



Green Hydrogen

ABO with vast experience in development

Wind Experience



- > 26 years experience in developing over 5 GW of global renewable energy projects including the largest wind project in Canada
- Strong experience in meteorologically challenging environments (Canada / Finland / Tunisia)
- 5.5 GW Renewable pipeline in Finland

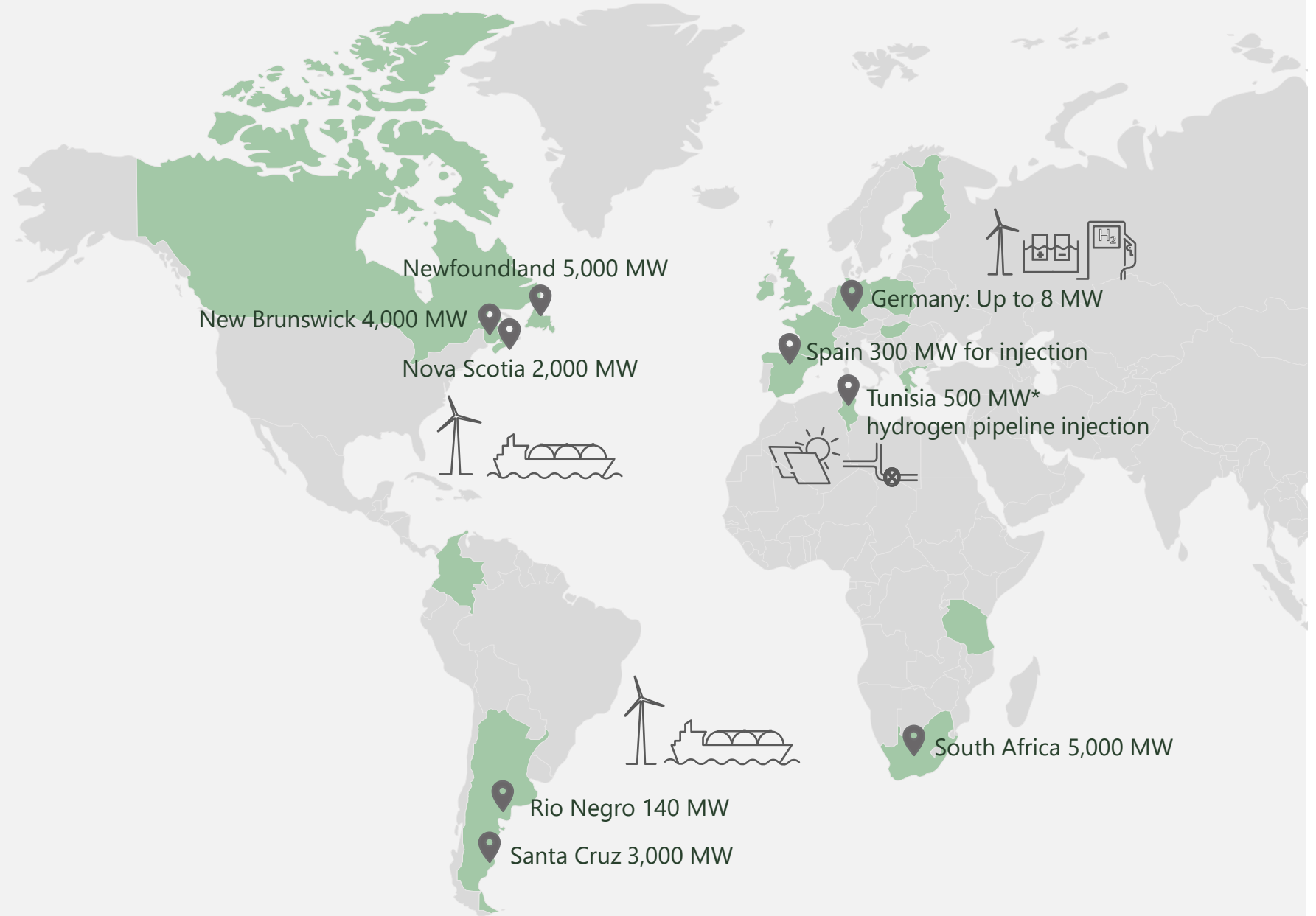
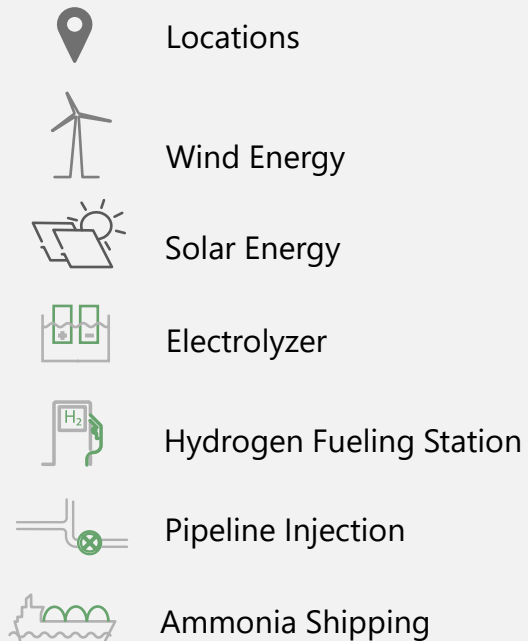
Hydrogen Experience



- >30 colleagues working in a dedicated hydrogen cluster
- Fully developed +5 MW pilot project funded by the German government and 8-200 MW project in Tunisia with 2 utilities
- Exclusive Letter of Support from Braya Renewable Fuels to provide hydrogen for their biofuel refinery in Newfoundland
- Global 20 GW hydrogen pipeline

Green Hydrogen

Our Potential Hydrogen Projects



* Scale up to multi-GWs in the second phase

Contact



- Dr. Fabian Hinz
- Head of Business Development Hydrogen
- Phone: +49 611 267 65-434
- Email: fabian.hinz@abo-wind.de