

confidential



disruptive energy solutions

June 2021

forward looking statement

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a unique investment opportunity

- **247 Energy** is a disruptive energy solution provider
- in the process of building a fully robotized **giga factory**
- to produce its **state-of-the-art storage solutions**
- based on both **proprietary and licensed IP**
- that helps **combat climate change** and reduces CO2 emissions
- whilst offering the **most cost-effective solution** to **multiple industries**
- and enabling the growing market of **smart-grids**.
- 247's technology **outperforms** all existing solutions
- whilst generating **sustainable** cash flows,
- leading to **exponential value creation** for all stakeholders
- and **impact the world for the better**.

247 Energy is currently raising 2.5M EUR capital in an initial round to scale the team, boost sales and prepare for private placement followed by direct listing on EURONEXT



a disruptive energy solution

247 Energy was incorporated in 2017 and is headquartered in Antwerp, Belgium.

The mission is to go for zero CO2, a world that runs 100% on decentralized energy production and storage of renewable energy.

The goal is to design and produce innovative, sustainable, safe, long lasting energy production and storage solutions.



a robotized EU Giga-factory

From 1 to 16 GW



- **100.000 m²** location in Belgium
- At phase 1, turnover of **€ 360M** and profit of **€ 100M**
- Flexible assembly lines can produce different form-factors of energy storage modules
- Modular energy solutions for all markets
- Full support of regional & national **governments**
- Job creation of **145 people**

247
ENERGY

23

Production Capacity (phase 1)
1GW

24

Production Capacity
2GW

25

Production Capacity (phase 2)
4GW

26

Production Capacity
8GW

27

Production Capacity (phase 3)
16GW

state-of-the-art solutions

Mobile energy production plants

Based on **LNG/Hydrogen** (gas-to-energy), allows an energy production of 0.5-1.5 MW or multiples.

Advantages :

- Can produce energy anytime
- Can be installed in ½ a day
- Several units can be combined
- For ON/OFF grid applications
- Cheaper than the national grid in many countries
- Made in Europe

Disruptive non-chemical energy storage solutions

Based on **supercapacitors** with an intelligent software layer. The energy storage solution is a unique in its features:

- Charges & discharges up to 20x faster than legacy batteries
- Non-flammable, non-explosive
- A 45 years lifetime (+1.000.000 cycles) compared to 5-7 years for Lithium-Ion batteries
- Non-chemical and fully electric : No harm-full metals, no polluting production methods
- Not temperature sensitive
- No degradation over time regardless usage
- Made in Europe

proprietary & licensed IP

Mobile energy production plants

TODAY

247 containerized powerplant based on LNG is patented and under extension in 69 countries (Patent W02019092224A1).

TOMORROW

247 is working on replacing LNG with H₂. The patent contains a path towards Hydrogen and/or Methane for CO₂ free energy production.

Disruptive non-chemical energy storage solutions

TODAY

247 uses unique licensed hypersensitive IP on **supercapacitor** technology.

TOMORROW

247 works with universities on proprietary IP to increase energy density of super-capacitor technology even further.

solve renewable energy issue

THE PROBLEM

Wind/Solar energy plants do not deliver energy continuously *AND* are **not flexible**.

Grid connections in some areas are **unstable**, or simply not able to deliver the energy needed.

The growth of electric vehicles, ships needing shore-power, etc. will further increase the demand.

Energy **production shortage** because of transition away from nuclear and Solar/wind not able to provide base-load energy production capacity.

Classical batteries **chemical composition** is not aligned with the green eco revolution.

Raw materials (**lithium, cobalt**) will not be able to meet market demand and need **polluting production methods**.

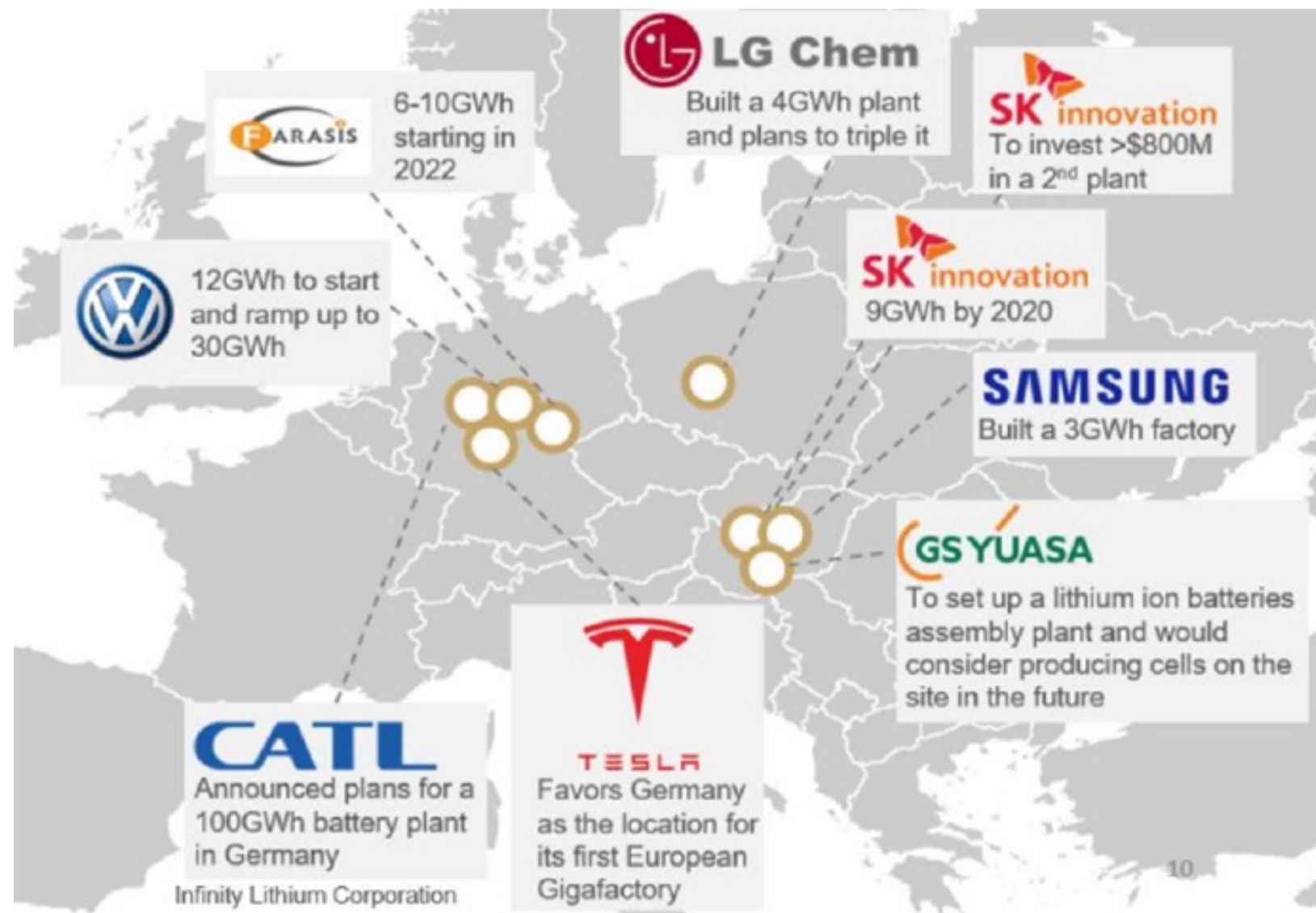
Both Lithium & Cobalt are sold at highest price in 10 years and the battery race has just begun.

THE 2 SOLUTIONS

247 Energy Production units can produce energy during shortage, the only element needed is **LNG** or **H2**, no matter the environmental or weather conditions. In H2 modus, no CO2 emissions.

247 Energy Storage can **store the energy** in excess produced by renewables in order to use it when it is needed. 247 systems **require no polluting rare metals mining** (like cobalt/lithium).

cost-effective, safe, reliable



Industries are pressured to **reduce their CO₂ footprint**, 247 helps them meet this challenge safely. European industries are in urgent need of energy storage solutions (cfr. production ramp-up).

Reliable and safe solutions

247 Energy solution is nonflammable and non explosive which is a huge advantage towards industrial and residential energy storage, and other sectors in need of solutions safer than lithium-ion.

Clients such as Kursaal Oostende rely on a 247 solution for 100% of their energy production since 2019.



the market

- **Mobility** (car, bikes, planes, trains, trucks, special purpose vehicles, straddles, forklifts, EVs, lifting & handling equipment). Global electrical vehicle battery market size estimated at 70B EUR by 2027 CAGR 6,6% (source: Fortune Business Insights)
- **Industrial & Grid Energy Storage** (hybrid solutions in combination with renewable energy). To allow wind/solar parks to store excess energy. 16B EUR (2019). CAGR 6%. Today the UK alone has a pipeline of 546 grid battery projects totalling 16Gw capacity (100 sites or 3,2Gw deployed within 12-18 months).
- **Residential energy storage** (in combination with solar panels). In 2019 Europe installed 745Mwh battery storage (2019) an increase of 57% year-on-year. Only 7 % of PV systems are coupled with batteries. Growth rates 14-16% in the next years.

**Global
Automotive
batteries
70B EUR (2027)
CAGR 6,6%**

**UK alone
counts for 546
grid battery
projects for a
total of 16Gw**

enabler of smart-grids

247 enables smart-grids with 2 vital and complementary solutions. Energy Production and Storage Infrastructure that is always ON even with renewable resources. Decentralized energy production and smaller smart-grids are finally possible anywhere in the world.

The **Energy Production** solution Feeds power into the grid when renewables cannot produce the energy needed



The **Energy Storage** solution Allows to stock wind and solar energy when it is produced in excess

247
ENERGY

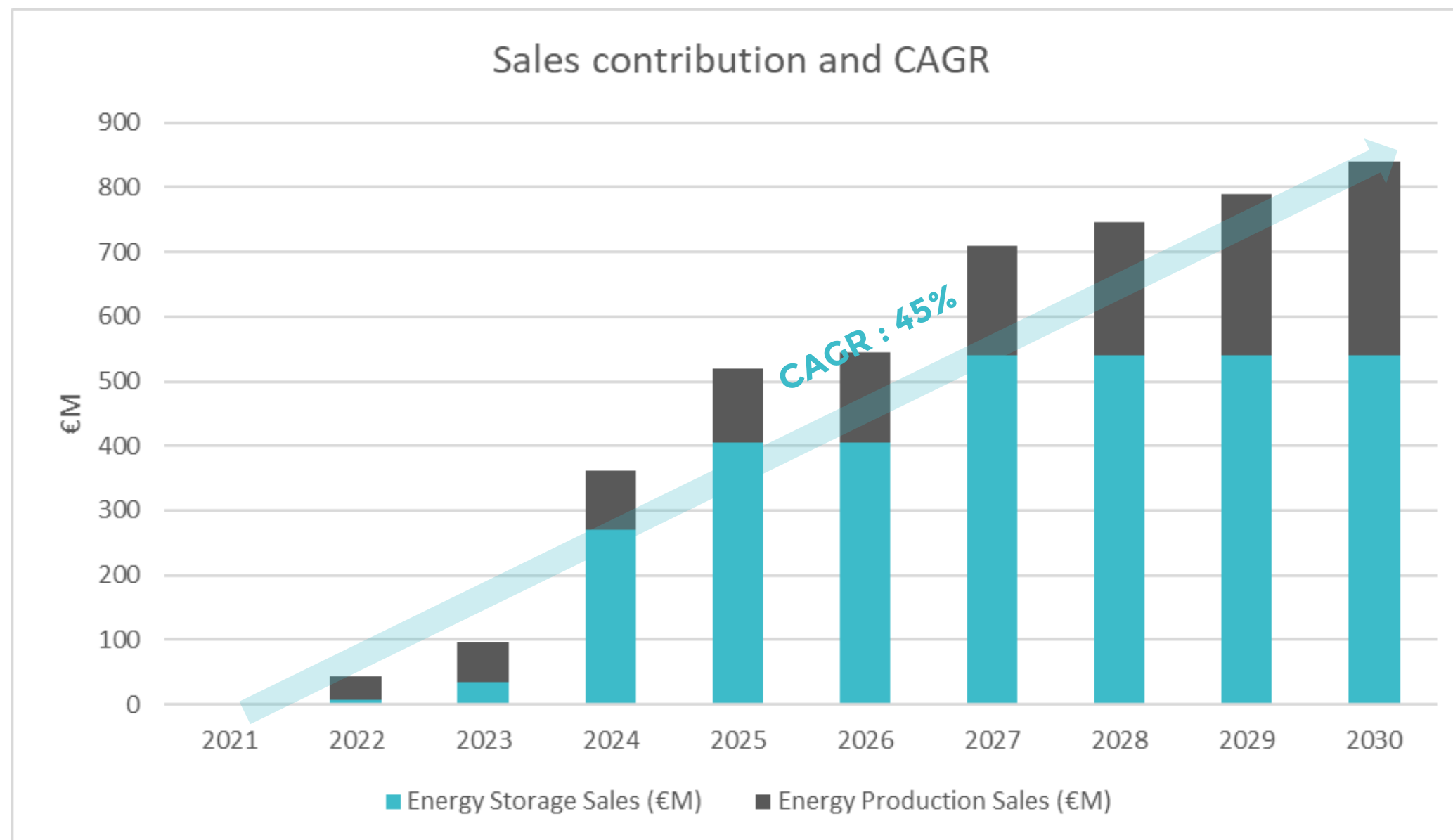
technology that outperforms

247-maintenance free energy storage outperforms legacy batteries.

- Charges **20x faster** than Lithium-Ion
- Lifespan of **1,000,000 cycles** (+45 years)
- **Nonflammable, non-explosive** suited for ATEX
- **No chemicals**, no rare metals
- **Shock resistant**, vibration proof
- Produced in **different formfactors**
- Temperature resistant: **-35°C to 65°C**
- **No degradation** over time regardless of usage
- DC-DC roundtrip **efficiency 99,1%**
- Monthly self-discharge max. 2%

sustainable cash flows

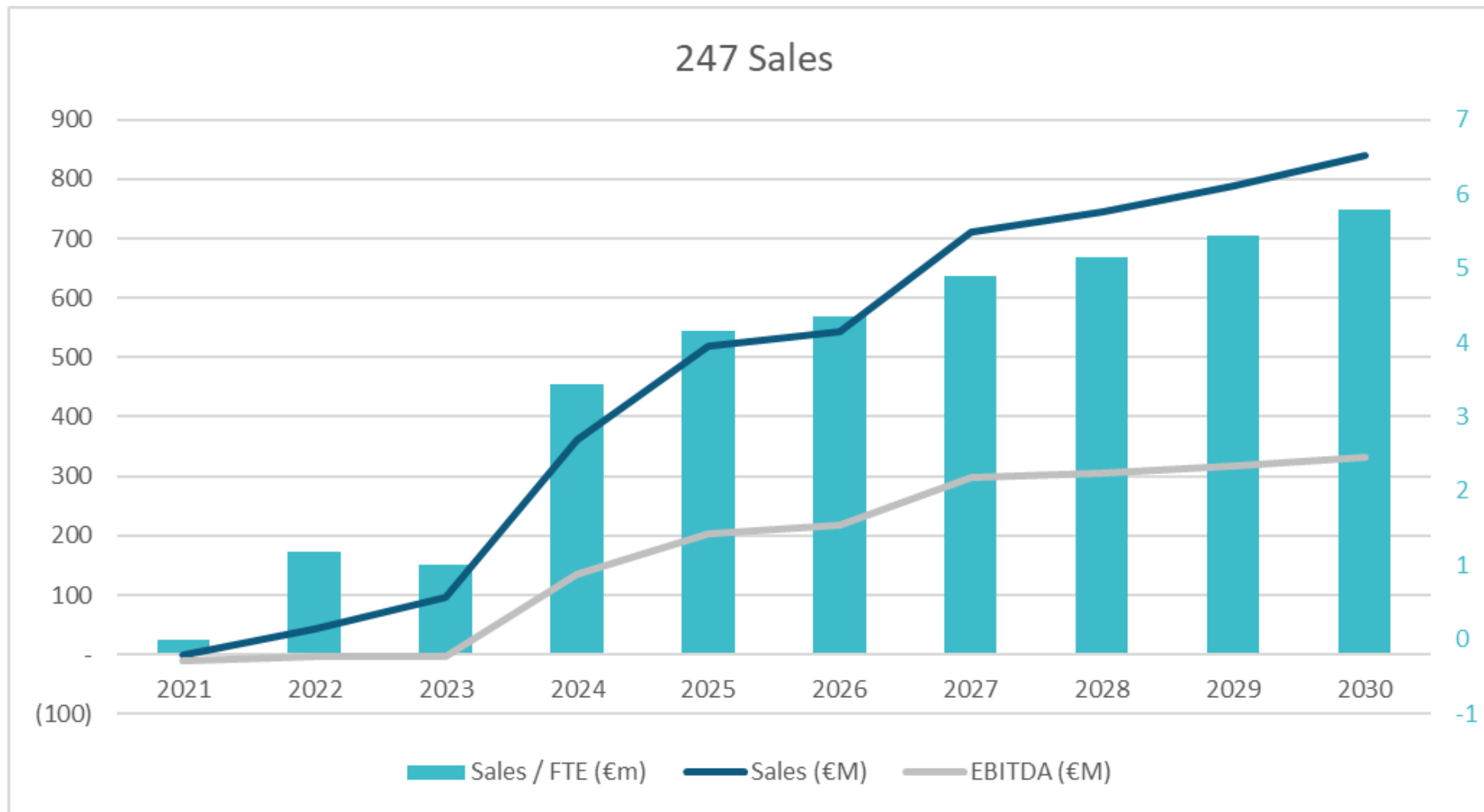
The two business lines of 247 will generate steady cash flows and allow for fast scaling.



- 247 will hit the ground running and **generate revenues before the completion of the planned giga-factory** thanks to outsourced production capacity.
- 247 will sell its **containerized solutions** in the EU through its own sales team. For the rest of the world 247 will work with distributors, talks have been initiated.
- The 247 battery solutions will be deployed towards EU customers only in the first phase, given the market size and **enormous local demand**.

exponential value creation

for the company



for the local community

The company will employ 145 FTE by 2030, of which over 80% will be working in operational functions and 20% in central and R&D functions



for the stakeholders

and its future shareholders

- **A unique Pre-IPO** opportunity
- Proceeds will serve to **scale** the team, finish factory design, boost sales and prepare the company for listing.
- **c. €100M equity** will be raised in the next 6 months through private placement followed by direct listing on **Euronext Growth** to finance industrialization.
- High demand for energy storage and Cleantech investments (some examples on the right) is likely to support stock price increase after the IPO. **Extreme high demand at least for the next 10 years combined with fast rising prices of cobalt, lithium will impact lithium-ion battery prices versus 247 energy storage.**
- **Enormous increase of corporate funding for battery storage sector.** 4,7B USD in Q1 2021 (across 17 deals) up from 3,1B USD in Q4 2020 (19 deals). In 2019 the total funding was at 2,8B USD. In 2020, 105 VC investors participated in battery storage deals compared to 78 in 2019.

IPO
Feb-2021
€65M raised
€348.98M Mkt
Cap

Toronto Stock
Exchange



IPO
Feb-2021
€50.32M raised
€247.68M Mkt
Cap

Tel Aviv Stock
Exchange



IPO
Apr-2021
€73.58M raised
€274.20M Mkt
Cap

Nasdaq –
Stockholm



IPO
Oct-2020
€50.40M raised
€114.58M Mkt
Cap

Oslo Stock
Exchange

Hydrogen pro

impact for a better world

247 is an ESG friendly company that helps to steer away from disputable activities

- Increased lifetime results in **less waste**
- Participates in **reducing global CO₂ footprint**
- **No rare metals** mined in horrific conditions



Cobalt mine



Lithium extraction



Battery Disposal

with 247 always ON

247 is building a Giga Factory in Europe to produce:

- **compact LNG/H2 power plants**
- **disruptive, fully electric, non-chemical & cheap energy storage devices.**

impacting the world for the better

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