



Energy S.p.A

A leading Italian energy storage systems integrator

- TODAY'S SPEAKERS





Davide Tinazzi Co-Founder and CEO

- PhD in Engineering, Master in Project and Innovation Management
- Former Project Manager in the field of nanotechnology
- Served as COO in former Mitsubishi Electric Klimat Transportation Systems

Andrea Taffurelli Co-Founder and CTO

- Degree in Mechanical Engineering
- Well-acknowledged CTO in the air conditioning/refrigeration business
- Served as CTO in former Mitsubishi Electric Klimat Transportation Systems

Daniele Manfroi CFO

- MBA, Degree in Business Management, post-graduate Master in Environmental Management
- Former Auditor in Quality, and EHS certification
- Served as Quality and EHS manager in Mitsubishi Electric Klimat Transportation Systems



- PRODUCT VIDEO







"The next 1,000 unicorns won't be search engines or social media companies, they will be sustainable, scalable innovators: start-ups that help the world decarbonize and make the energy transition affordable for all consumers"

Larry Fink, BlackRock's Chairman and CEO – Letter to stakeholders – March 24th, 2022

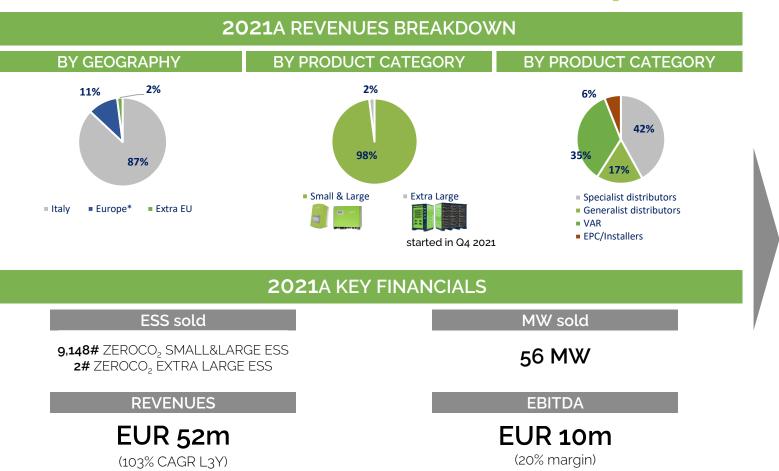
"Dreaming to give every individual, family or business, the tangible opportunity to mitigate climate change and actively contribute to the green energy transition. Everyone can reduce the emissions of CO₂ by maximizing the self production of electricity, also contributing to the grid"



INTRODUCTION TO ENERGY



Established in 2013, Energy S.r.l. (**«Energy»**) is an advanced system integrator of Energy Storage Systems (ESS), both for residential use (Small&Large: <50kW ESS) and for larger scale applications (Extra Large: >50kW+ ESS). The company sources components from leading international suppliers, combining them with proprietary software and its products are sold under the company's brand zeroCO₂



Financial guidelines & Market Trend

ENERGY IS PLAYING A LEADING ROLE IN A MARKET EXPECTED TO GROW AT A CAGR2021-2030 OF C. 30%

Revenues EUR 120-140m

EXPECTED IN 2022 OVER PERFORMING MARKET GROWTH

2022-24 growth at cagr c. 30%

BACK IN LINE WITH THE MARKET

EXPECTED TENDS

CONSOLIDATING THE POSITION IN THE SMALL&LARGE ESS SEGMENT (SHIFT TOWARDS LARGER CLIENTS)

TARGETING THE EXTRA LARGE ESS SEGMENT

(A SEGMENT WITH STILL LOW COMPETITION)

GEOGRAPHICAL EXPANSION IN EUROPE AND NORTH AMERICA

(MAINTAINING THE LEADERSHIP IN THE ITALIAN MARKET)

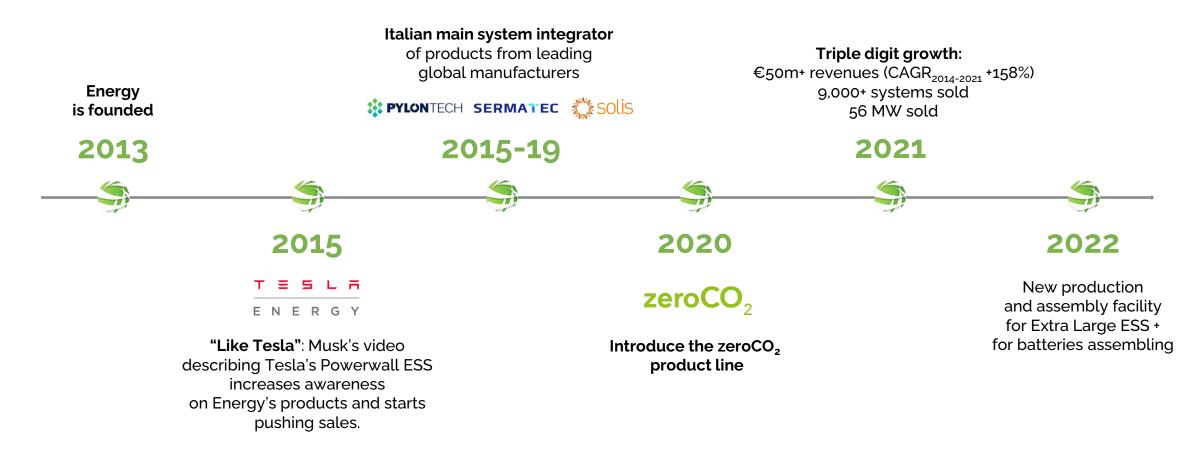


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OUR HISTORY



In the eight years since inception, Energy has grown under the leadership of Mr. Tinazzi to become **the reference player in the Italian market** for ESS solutions, in partnership with primary global manufacturers of components, **supplying integrated systems** to both residential and larger clients.

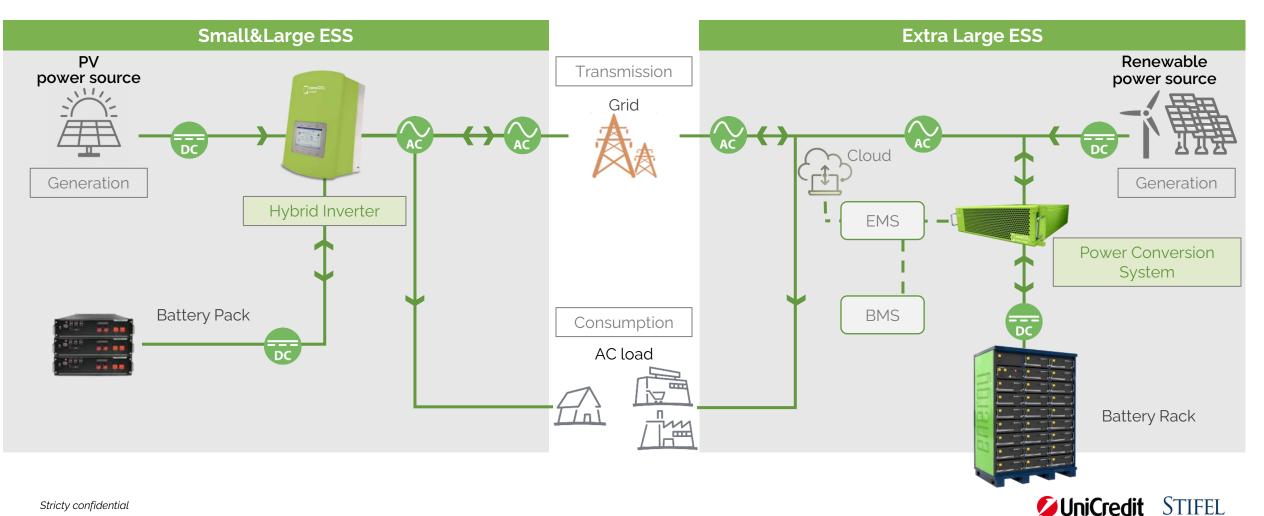




HOW DO ENERGY STORAGE SYSTEMS WORK?



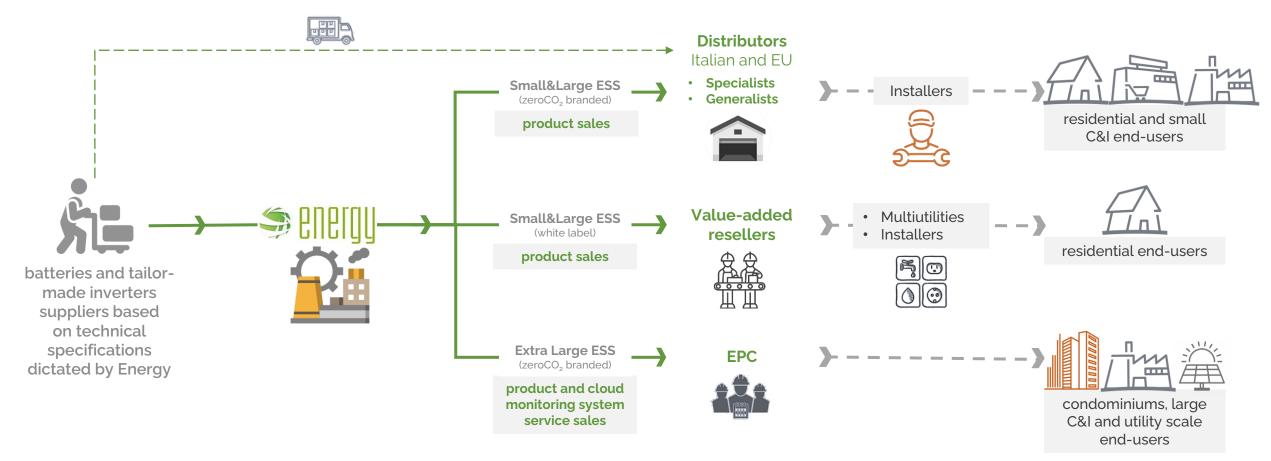
Energy storage systems enable energy from renewable sources to be stored and then released when customers need power most. An ESS is a complex system comprising hardware and software components: battery system, battery management system (BMS), inverter or power conversion system (PCS), energy management system (EMS) connected to a cloud platform.



GO-TO-MARKET: AN INCREASING ATTRACTIVE MARKET FOR LARGER DISTRIBUTORS



Energy's sales network consists of both electrical goods distributors and photovoltaic specialists. Energy also works with large European EPCs. The proximity of Energy's logistics to the headquarters of the main distributors has led the company to have solid partnerships with major market players in Italy and Europe. Energy does not sell directly to the final consumer.





- ENTRY BARRIERS



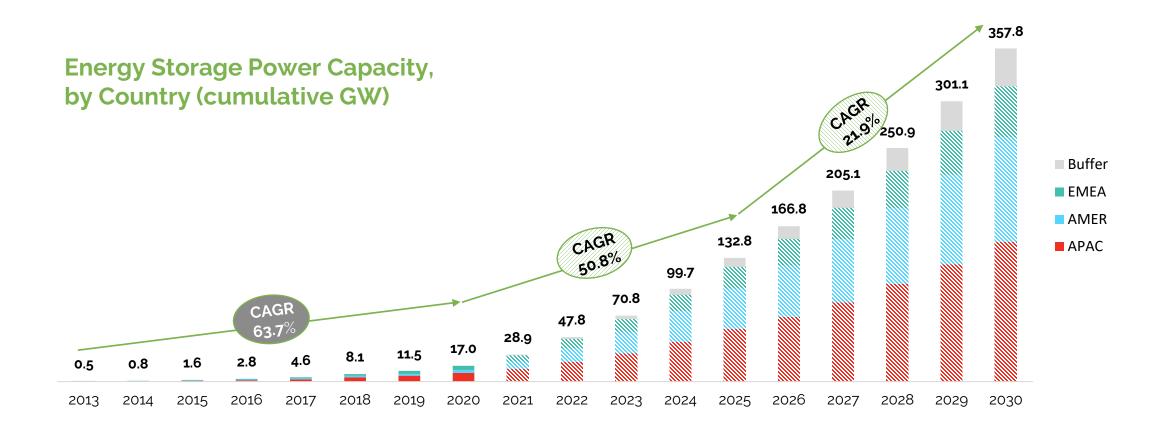




GLOBAL ENERGY STORAGE MARKET



The global storage market is growing at unprecedented pace, it is expected to grow at a CAGR₂₀₂₁₋₂₀₃₀ of c. 33%. It will reach a cumulative 358GW/1,028GWh by 2030, more than twenty-fold the 17GW/34GWh capacity online at the end of 2020, attracting \$262 billion in investment between 2021 and 2030. The U.S. and China are the two largest markets, representing over half of the global cumulative build by 2030





CURRENT MARKET ENVIRONMENT



Today, the demand for energy storage systems is a function of:

Need for a better efficiency in energy supply Cost of energy from the grid and return of the investment

110% incentive impact on growth

The Company does not consider the Italian 110% bonus incentive as a catalyst for the future revenue growth

Main consequences:

Client mix:

Focus on residential users Geographical split: Focus on domestic market

Increased competition on prices

A significant portion of Energy's future growth will not come from the Italian residential market, therefore out of 110% scope

Energy Value Added

energy sources

Macrotrend focused on

reducing CO₂ emissions

and dependency on fossil

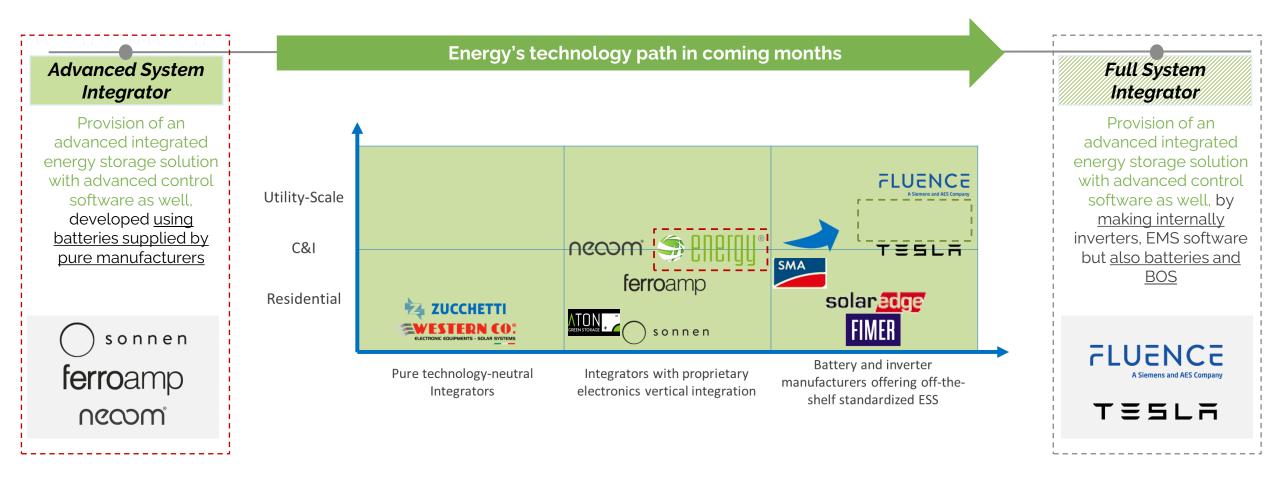
- **Highly specialized engineering expertise** to offer a unique customized solution including hardware combined with a proprietary software
- Pylontech long term relationship as proof of Energy strategic value proposition and ability to secure the procurement of key components
- "Made in Italy" brand



POSITIONING



Energy aims to become a full system integrator in the coming months (from advanced system integrator) by insourcing the manufacturing of ESS' hardware and software, by acquiring specialized EPCs and a cloud services operator.

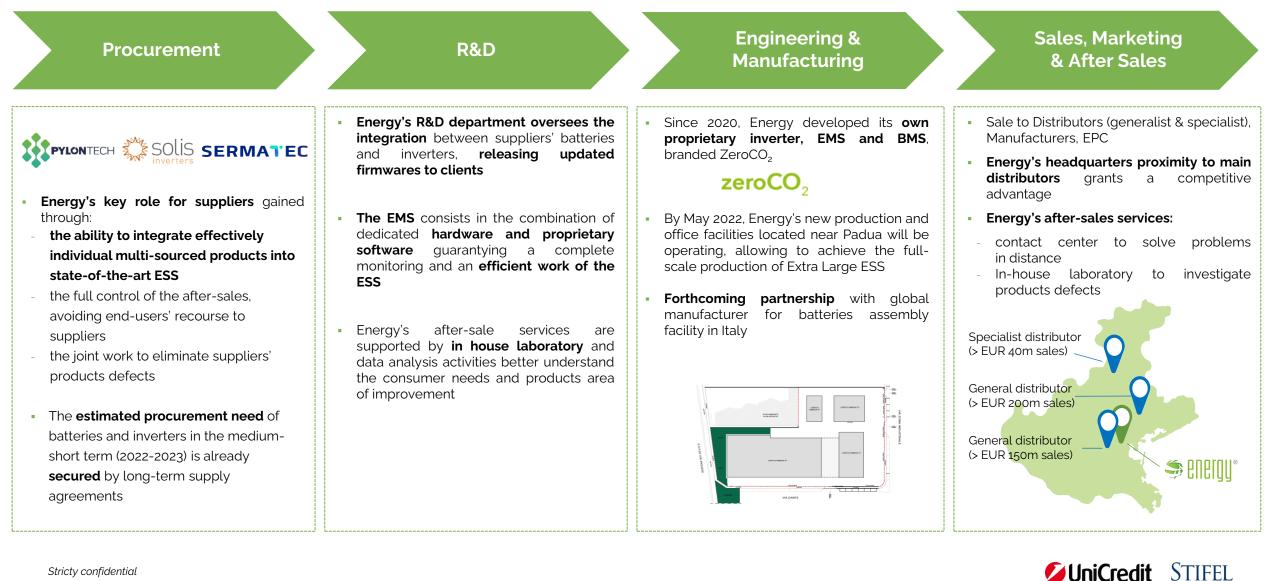




VALUE CHAIN

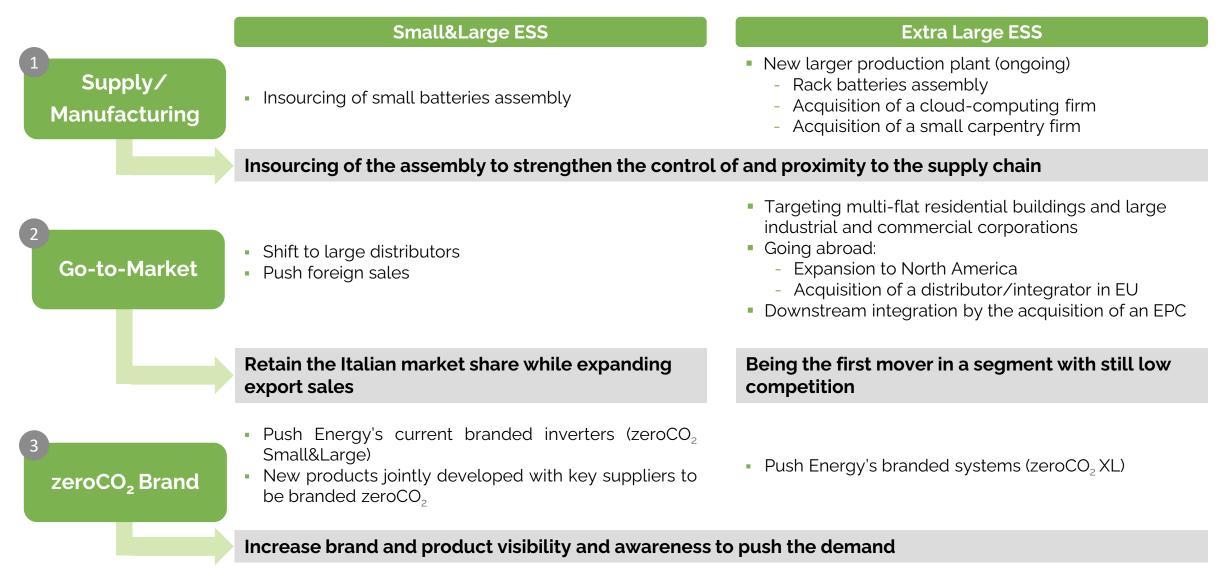


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STRATEGIC GUIDELINES

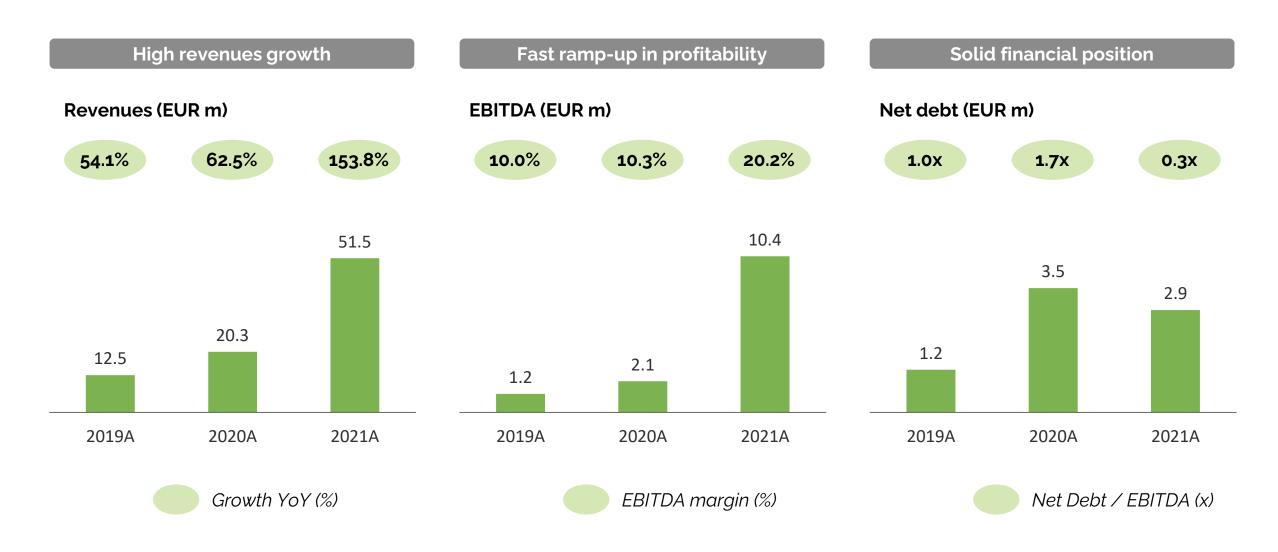






ENERGY IS DELIVERY EXCEPTIONAL GROWTH



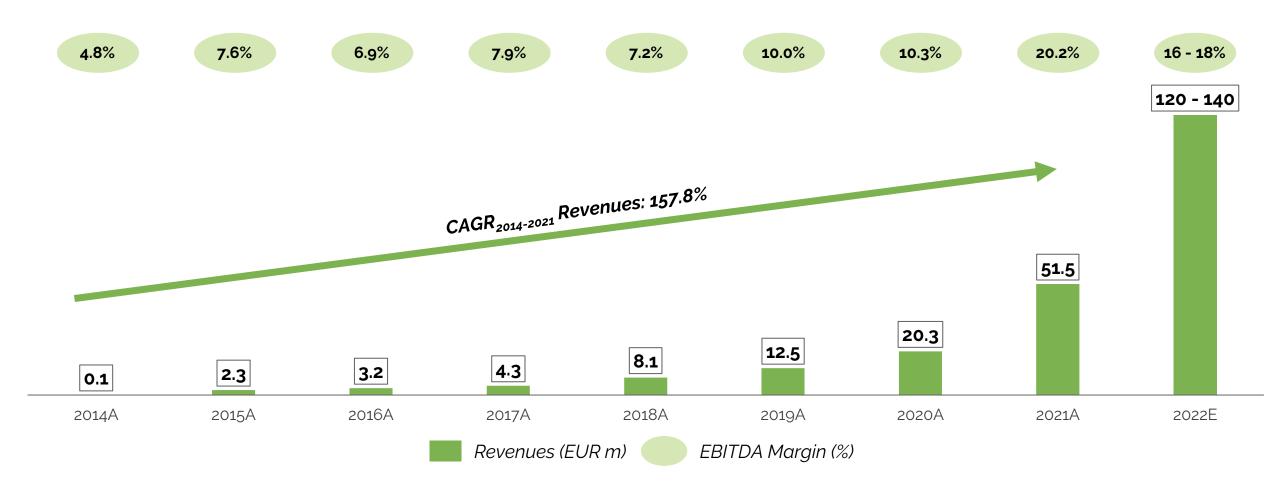




STRONG GROWTH TRACK RECORD...



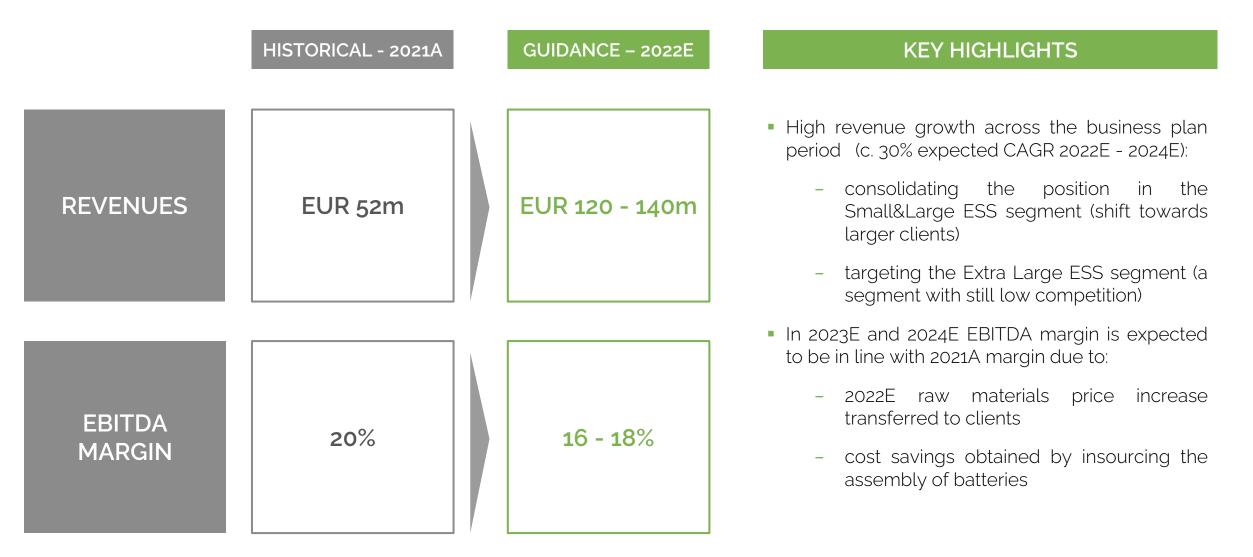
Energy has shown an impressive historical growth since its inception both in terms of revenues and profitability; such trend is expected to continue with 2022E revenues growth in the range between 130% - 170% (YoY growth vs. 2021A).





GUIDANCE ON 2022-2024E FINANCIAL RESULT







- ENERGY: A COMPELLING EQUITY STORY







STRONG FINANCIAL AND GROWTH PERFORMANCE BEATING MARKET RATES



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THANKS





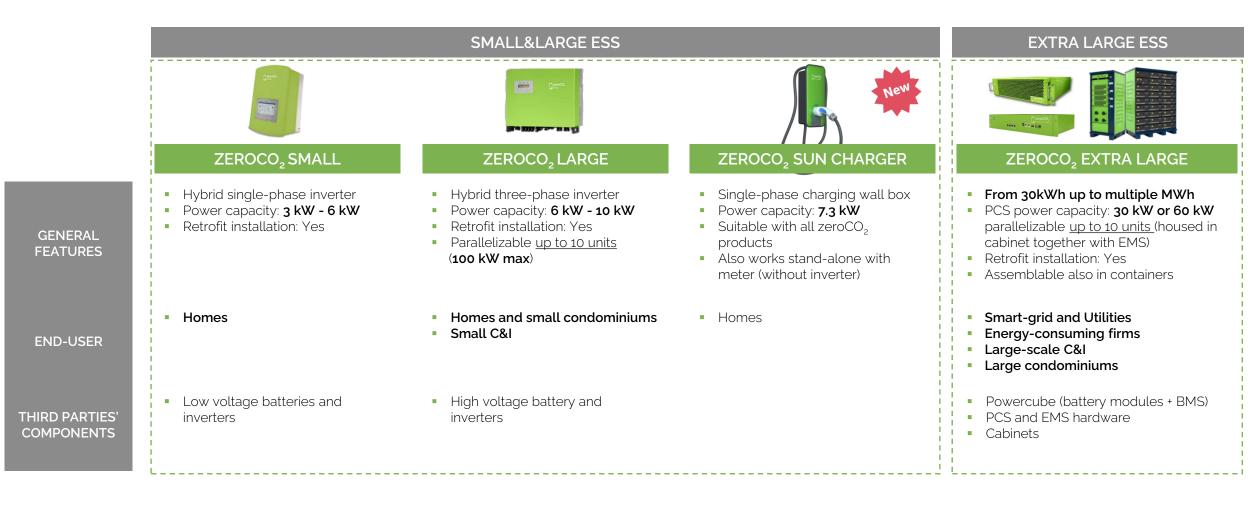


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PRODUCT OFFERING



Energy developed a range of inverters, produced according to its specifications by its suppliers, and marketed under its newly established "zeroCO2" brand





- POSITIONING



In addition to pure battery manufacturers and pure inverter manufacturers, there are operators able to combine these different products (electronics + batteries) offering the market more and more complete solutions for energy storage (e.g. by adding an advanced control software -EMS- which represents a significant added value allowing to enable advanced uses of storage systems)

•	•	•	•	•	•	
PURE BATTERY PRODUCER	SYSTEM OR PRODUCT INTEGRATOR	INTEGRATED BATTERY PRODUCER	PURE SOFTWARE PROVIDER	ADVANCED SYSTEM INTEGRATOR	FULL SYSTEM INTEGRATOR	
Production and supply of battery component only	Production and supply of additional components (inverter, BOS, installation) and purchase of batteries to be integrated from the Pure Battery Producer (turnkey solution)	Production of batteries and provision of an integrated solution to the market (turnkey solution)	Production of the EMS software only, to be integrated with batteries and inverters	Provision of an advanced integrated energy storage solution with advanced control software as well, developed <u>using</u> <u>batteries supplied by</u> <u>pure manufacturers</u>	Provision of an advanced integrated energy storage solution with advanced control software as well, by <u>making internally</u> inverters, EMS software but <u>also batteries and</u> <u>BOS</u>	
	CUCCHETTI ELECTRONIC EQUIPMENTS - SOLAR SYSTEMS	FIMER SMA solar,edge	REGALGRID sharing your power	sonnen ferroamp necom Seneigy		

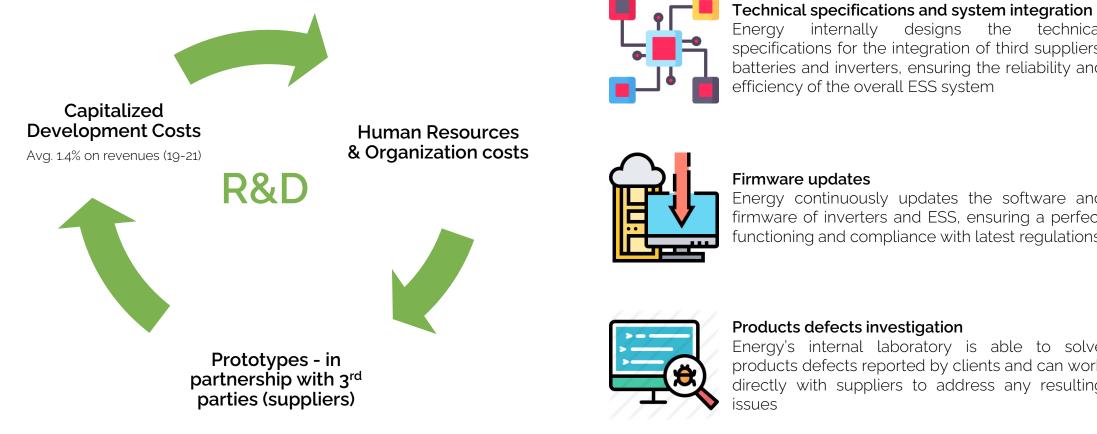
Source: Polytechnic University of Milan, Electricity Market Report Note: the distribution of each company in the chain is the result of Energy's management evaluation



US ON R&D



The R&D department is at the core of Energy's competitive advantage. Engineers involved in R&D department ensure that all systems are perfectly operational and efficient, innovative and compliant with the regulatory framework



internally designs Enerav

specifications for the integration of third suppliers' batteries and inverters, ensuring the reliability and efficiency of the overall ESS system

the

technical

Firmware updates

Energy continuously updates the software and firmware of inverters and ESS, ensuring a perfect functioning and compliance with latest regulations

Products defects investigation

Energy's internal laboratory is able to solve products defects reported by clients and can work directly with suppliers to address any resulting issues



ENERGY MANAGEMENT SYSTEM (EMS)



The zeroCO2 Energy Management System, developed internally by Energy, is at the core of the energy storage systems in the Extra Large solutions, granting superior performances with respect to competitors' products

- The EMS is the heart of the XL storage system consisting of the combination of dedicated hardware and a cloud-based proprietary software*
- Energy offers the cloud monitoring service to XL clients who typically pay an extra annual fee for the license (in y2021 up to EUR 10k/client)
- EMS software **guarantees a complete monitoring** and an efficient work of the ESS thanks to artificial intelligence-based algorithms and allows the system to manage:
 - Maximization of self- consumption
 - Peak shaving management
 - Charging according to a well-defined time schedule
 - Energy trading
- Indeed, Energy has, thanks to ongoing R&D, large room for up-selling in the coming years, offering software updates/add-ons
- Energy is going to develop an EMS for the residential market, granting functionalities that competitors' products do not currently offer:
 - Data collection for solar panels optimization
 - Connect to the electric vehicle charger to optimize and schedule the recharge
 - Optimization of energy communities



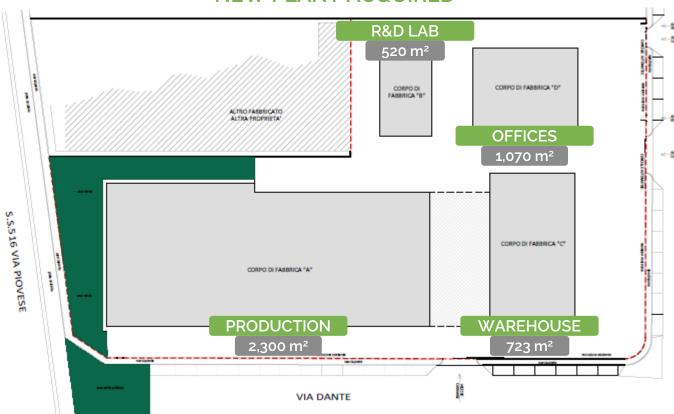




FOCUS ON PRODUCTION FACILITIES



By May 2022, Energy's new production and office facilities located near Padua (c. 9,000 m2) will be operating, allowing to achieve the full-scale production of Extra Large ESS. Energy recently acquired an additional production area of 17,415 sqm close to the actual plant for a **total of c. 26,000** sqm



NEW PLANT ACQUIRED

- Address: Via dell'Industria 8/10, Sant'Angelo di Piove di Sacco (PD)
- Features:

ZONA INDUSTRIAL

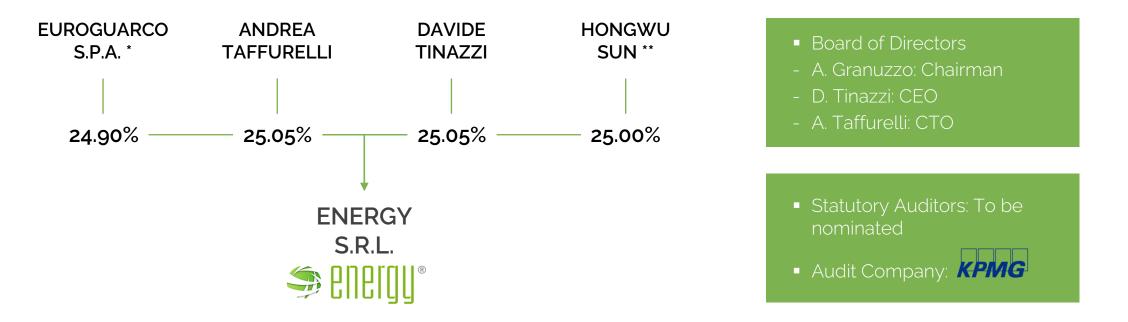
- Plant: 9,185 sqm close to the actual plant for a total of c. 26,000 sqm
- total area, 4,613 sqm covered
 - 3,023 sqm production and warehouse
 - 1,070 sqm offices
 - 520 sqm R&D labs
- Covered truck load/download area
- Batteries independent warehouse
- Office room for all company functions
- Separate building for R&D and testing
- Two overhead cranes available
- High power supply available
- New Plant acquired: 17,415 sqm total area, 6,000 sqm covered
 - 4,640 sqm warehouse
 - 1,360 sqm offices
 - 11,415 sqm land
- Estimated Production capacity (room available):
 - Up to 4 MWh/day battery assembly lines (some 800 batteries/day) by the end of 2023
 - Up to 60 MWh/year Extra Large ESS systems



SHAREHOLDING AND GOVERNANCE



Energy was founded in 2013 by **Davide Tinazzi** and **Andrea Taffurelli**, with the financial support of the Ghirlanda family (through their Euroguarco company) and Mrs. Hongwu Sun. All are still shareholders in the Company and (with the exception of Mrs. Sun) represented in the Board



In 2021 there was a transfer of company shares (0.1%) from Euroguarco Spa in equal parts to the shareholders Tinazzi and Taffurelli

* Company involved in the manufacturing of gaskets and insulating materials for the oil & gas industry belonging to the Ghirlanda family ** Chinese businesswoman who introduced Mr. Tinazzi and Taffurelli to the Chinese market in 2013. Her family owns a company involved in the production of expanded graphite

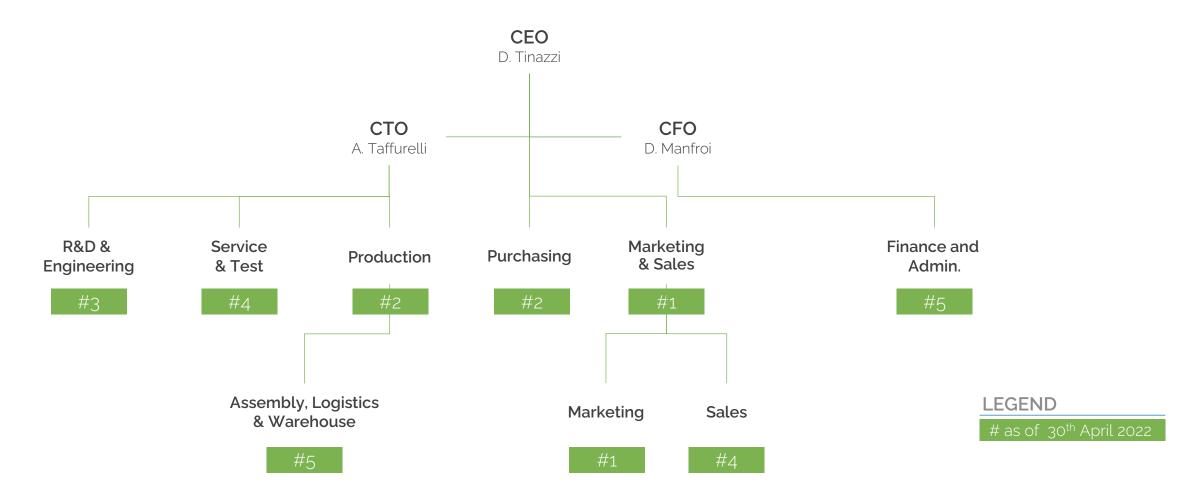


ORGANIZATION



As of 30th April 2022, Energy had 30 employees.

The Company plans to double its workforce during 2022, mainly reinforcing the assembly and R&D divisions.



- P&L STATEMENT



P&L (EUR M)	2019A	%	2020A	%	2021A	%
REVENUES	12.5	100,0%	20.3	100,0%	51.5	100,0%
CAPITALIZED EXPENSES	0.3	2.2%	0.4	1.9%	0.0	0.1%
RAW MATERIALS	(9.9)	(79.3%)	(16.2)	(79.7%)	(38.2)	(74.2%)
SERVICES COSTS	(1.3)	(10.0%)	(1.8)	(9.0%)	(1.9)	(3.6%)
PERSONNEL	(O.5)	(4.1%)	(0.7)	(3.4%)	(1.1)	(2.1%)
OTHER INCOME (COSTS)	0.1	1.2%	0.1	0.6%	0.0	0.0%
EBITDA	1.2	10.0%	2.1	10.3%	10.4	20.2%
DEPRECIATION AND AMORTIZATION	(0.2)	(1.6%)	(0.3)	(1.2%)	(O.3)	(0.5%)
EBIT	1.1	8.4%	1.8	9.0%	10.1	19.7%
FINANCIAL INCOME / (EXPENSES)	(O.1)	(1.0%)	(O.1)	(0.6%)	(0.2)	(0.3%)
EBT	0.9	7.4%	1.7	8.5%	10.0	19.3%
INCOME TAXES	(0.2)	(1.9%)	(O.4)	(1.9%)	(2.6)	(5.0%)
NET INCOME	0.7	5.5%	1.3	6.6%	7.4	14.3%



- BALANCE SHEET STATEMENT



Balance sheet (EUR m)	2019A	%	2020A	%	2021A	%
Intangible fixes assets	0.5	19.3%	0.7	11.1%	0.5	4.3%
Tangible fixed assets	0.0	1.0%	0.0	0.4%	0.0	0.3%
Financial assets	0.0	1.1%	0.0	0.5%	0.1	0.5%
Net fixed assets	0.5	21.4%	0.7	11.9%	0.6	5.1%
Inventory	1.8	76.7%	4.8	79.1%	5.3	41.3%
Trade receivables	0.7	30.1%	2.8	46.0%	9.7	76.4%
Trade payables	(0.5)	(21.1%)	(1.4)	(22.9%)	(1.7)	(13.4%)
Trade NWC	2.1	85.7%	6.2	102.2%	13.3	104.3%
Other assets	1.0	39.9%	0.6	10.1%	3.0	23.9%
Other liabilities	(1.0)	(41.4%)	(1.3)	(21.5%)	(3.9)	(30.9%)
Net working capital (NWC)	2.0	84.2 %	5.5	<i>90.9</i> %	12.4	97.3 %
Severance indemninity funds and others	(0.1)	(5.6%)	(0.2)	(2.8%)	(0.3)	(2.4%)
Net invested capital	2.4	100.0%	6.0	100.0%	12.7	100.0%
Equity	1.2	50.5%	2.6	42.4%	9.9	77.6%
Short term debt	2.6	108.9%	2.5	41.5%	2.5	19.4%
Medium/long term debt	0.1	5.3%	1.7	29.1%	2.4	18.7%
Cash available	(1.6)	(64.7%)	(0.8)	(13.0%)	(2.0)	(15.7%)
Net debt	1.2	49.5 %	3.5	57.6%	2.9	22.4%
Total funds	2.4	100.0%	6.0	100.0%	12.7	100.0%



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