

PRESS RELEASE – ENERGY S.P.A.

GO-LIVE OF THE FIRST ITALIAN GIGAFACTORY THANKS TO THE COLLABORATION BETWEEN ENERGY S.P.A. AND PYLON TECHNOLOGIES EUROPE HOLDING B.V

The Italian company and the Chinese leading manufacturer have established a joint-venture for the production of cobalt-free lithium batteries in the facility of Sant'Angelo di Piove di Sacco (PD) starting by the end of 2023

Davide Tinazzi, Energy S.p.A. CEO: "This is a significant partnership aiming at the production in Europe of a key component for energy storage systems in the pursuit of friendshoring"

Sant'Angelo di Piove di Sacco (PD), May 18th, 2023 - During the tenth anniversary of its establishment, **Energy S.p.A.** - (ISIN Code **IT0005500712**, Ticker **ENY**), ("**Energy**"), a company that provides integrated energy storage systems, listed on Euronext Growth Milan, following the information published on February 28th, 2023, announces the establishment of a joint venture with Pylon Technologies Europe Holding B.V. ("**Pylontech EU**"), a Dutch-registered wholly-owned subsidiary of Pylon Technologies Co. Ltd ("**Pylon Technologies**"), listed on the Shanghai Stock Exchange with a capitalization of approx. CNY 41 billion (approx. USD 5,7 billion), the world's leading manufacturer of stationary cyclic lithium batteries for energy storage for renewable sources. The joint venture is designed to strengthen joint business in the European area through a newly established company, jointly held by both companies, which will produce and sell lithium batteries in Europe.

The joint venture "**Pylon LiFeEU S.r.l.**" is headquartered at Energy's facilities in Sant'Angelo di Piove di Sacco (PD). **The site will host production of cobalt-free LFP (lithium-iron-phosphate) batteries** needed to store energy produced from renewable sources, particularly photovoltaic panels, **by the end of 2023. A Gigafactory will then be built at Energy's production facility.** The joint venture's business plan provides as a first step for the construction of an initial site that can reach production capacity of **600-800 pieces per day**, equivalent to **3-4 megawatt hours (MWh) of storage capacity.** **The transaction will position Energy as the only Italian company to manufacture the energy storage system and storage batteries in-house.**

The collaboration between Energy and Pylontech started ten years ago, and since the beginning both companies have been true pioneers on stationary-cycle battery technology for energy storage that mitigates the impact of renewable energy generation and decarbonizes the entire production process. According to market data, China produces nearly 80% of the world's battery. The EU community goals include encouraging production of components in the European area. The joint venture pursues the goal of "friendshoring" and opens to active co-operation between Italy and China, thanks to the investments of the Chinese partner on the Italian market.

Energy CEO Davide Tinazzi: "*I am truly proud of Energy's joint venture with Pylontech Europe, as it constitutes an important step in a fruitful long-term technical and commercial partnership, which has seen shared human values also play a crucial role. I would like to take this opportunity to thank all those who have believed in this project and who are co-operating in it, as today it sees us reach a significant milestone.*"

Jinpeng "Geoffrey" Song, Vice President of Pylontech's international business, adds: "*It is an important step for Pylontech to start localized production, as our partners, especially in Europe, are eager to have a more secure and stable supply chain. We have chosen Veneto as a starting place, with which we are connected by both long-*

standing scientific knowledge since the time of Galileo and our new friendship with Energy. We believe the renewable energy industry in the EU has a bright future, leveraging global knowledge and local resources."

This press release is available on Energy S.p.A.'s website at www.energysynt.com, Investor Relations/Press Releases section and on www.emarketstorage.com.

Energy S.p.A., founded in 2013 by Davide Tinazzi, Andrea Taffurelli and Massimiliano Ghirlanda and listed since August 1, 2022 on the Euronext Growth Milan market of the Italian Stock Exchange, is headquartered in the province of Padua (Italy) and is an energy storage system for both residential and large-scale applications sector leader. Our systems allow energy to be stored and released according to customers' energy needs. Energy has to date sold and installed more than 53,000 systems across the country, with a focus on the residential, commercial, industrial, Utilities and electric mobility markets. The biggest projects executed include the large-scale plant in Comiso (Sicily), consisting of an agrivoltaic plant and a photovoltaic field, the large-scale plant at the CAAB Centre in Bologna, the Smart Grids at numerous municipalities in Sardinia and Lombardy and a Condominium Energy Community in Switzerland where individual hubs exchange energy as needed. Energy's sales channels include both general electrical distributors and PV specialists, while the company also works with large European EPCs. The proximity of Energy's logistics to the headquarters of major distributors has allowed the company to establish strong partnerships with the Italian and European market players. The company purchases components from major international suppliers and combines them with its "Zero Co2" proprietary software to build EU standard compliant systems. Sales revenues of Euro 126.5 million are reported for 2022. www.energysynt.com

Pylontech, founded in 2009, is now a world leader in battery energy storage systems (BESS), thanks to a year-by-year consolidation of its expertise in electrochemistry, power electronics, and storage system integration. With extraordinary growth, driven by an increase in volumes sold that have doubled every year for 8 consecutive years, it is now one of the global leaders in storage systems. It was rated as the world's second largest producer of energy storage systems (ESS) for the residential sector in 2021, rising to number one in 2022 (IHS Research S&P). Listed on the Shanghai Stock Exchange, a city where its headquarters is also located, with a capitalization of approx. CNY 41 billion (approx. USD 5,7 billion), it was listed among China's 50 most innovative companies by Forbes in 2022. <https://en.pylontech.com.cn/>

Contacts:

Company

Energy S.p.A.
Tel. +39 049 2701296
info@energysynt.com

Euronext Growth Advisor

STIFEL EUROPE BANK AG
Tel. +39 02 85465774
SEBA.Milan.ECM@stifel.com

IR Advisor | Corporate Media Relations

TWIN Srl
Mara Di Giorgio
Tel. +39 335 7737417
mara@twin.services

Daniele Quarello
Tel. +39 347 9282119
daniele@twin.services

ENERGY S.p.A.: leader in Italy in integrated energy storage systems

Energy S.p.A., founded in 2013 by Davide Tinazzi, Andrea Taffurelli and Massimiliano Ghirlanda is a successful Italian company offering **energy storage systems** (ESS, Energy Storage System), for residential and, to a greater extent, commercial and industrial uses.

These are **complex systems that store energy from renewable sources and release it when needed**. These systems require a combination of interacting hardware and software components –such as lithium battery modules, their management systems (Battery Management System, BMS), hybrid inverters and energy conversion systems (Power Conversion System, PCS) and, in some cases, a sophisticated Energy Management System (EMS)– connected to a cloud platform.

Over the years, **the Company's business has progressed** going from the design and sale of ESS for residential, commercial and industrial use to the **production of larger systems** based on proprietary EMS. This technology is developed in-house and enables efficient integration of the power converters and batteries, and the use of cutting-edge services, including *peak shaving* (being able to respond to momentary electricity peaks without over-sizing the system), connection to energy communities, network services, energy trading.

Nowadays, Energy is one of the global players of reference for ESS solutions; with consolidated relations and technological partnerships with leading international companies that guarantee important continuity in the supply of components and materials. The systems developed and traded by the Company are integrated with a **proprietary software** that enables intelligent management, in a cloud platform, of monitoring, storage and use of energy, consumption and traffic, the state of health of batteries and other special services, consistent with how complex the system used is.

Energy operates mainly through **two product categories**:

- “*Small&Large ESS*”, launched in 2014 with energy storage systems of less than 50 kW for small and medium-sized residential, commercial and industrial users;
- “*Extra Large ESS*”, with energy storage systems exceeding 50 kW, for larger industrial and commercial users, needing to store higher quantities of energy.

From being a cutting-edge system integrator, **in recent years the Company has become a full system integrator**, progressively insourcing a large part of the hardware and software production (it is setting up a new facility to produce lithium-iron-phosphate batteries) and aims to grow with targeted acquisitions. This will enable it to operate and have a strong presence in the entire advanced energy storage systems chain. In line with that approach, the new Energy facilities became operational in April 2022, and will enable large-scale production.

Energy gets its components from leading international suppliers. They are combined and integrated using its proprietary software in **systems that comply with European Union standards** and are traded on the Italian and foreign markets with its own brand **zeroCO₂**.

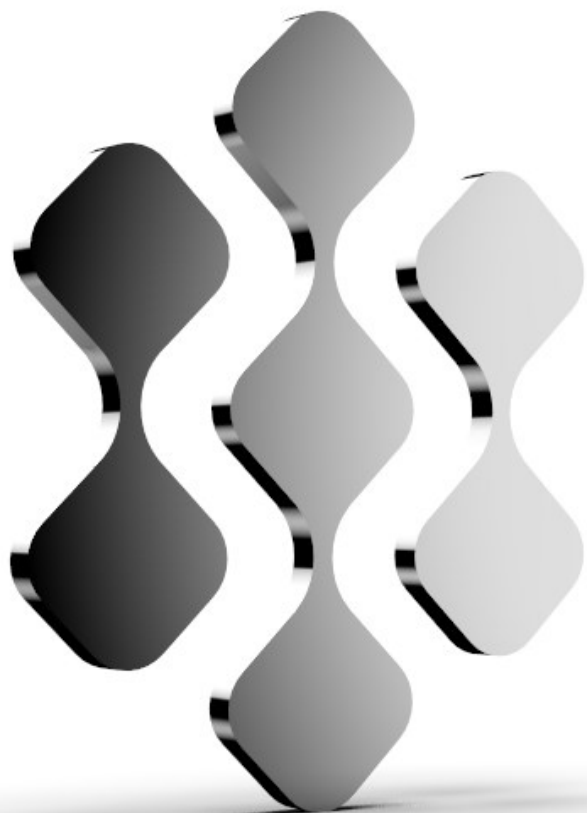
Expanding and consolidating its offer have enabled Energy to **achieve triple-digit growth in 2021**, in both revenue (reaching 52 million euros compared to 20 million in 2020 and expected to reach the 120-140 million range at the end of this year), and profitability terms. Of the **35,000 plants operational**, in 2021 alone more than 9,000 systems were sold, for a total power of 56 MW, dedicated to the residential, commercial and industrial market, to utilities and electric mobility.

The **Research and Development** area is one of the Energy strong points, for design, development and analysis of the specific techniques and regulatory requirements; so that systems are always compatible with the reference market and have enough functionalities to guarantee security. The research and development activity continually updates the software and firmware for the Energy Storage Systems, to ensure correct operations; and for activities to provide them with special functionalities, for example, management of alarms with any malfunctioning, monitoring the state of batteries, a *user friendly* display.

The most important projects implemented include: the large facilities in Comiso, Sicily, with an ESS optimising the energy of an agri-voltaic field and a photovoltaic one; the one dedicated to the CAAB in Bologna; Smart Grids in numerous municipalities in Sardinia and Lombardy, a Condominium Energy Community in Switzerland where the single nodes exchange energy based on need.

The Energy **sales channels** include specialised distributors and general ones, photovoltaic specialists and large European EPC contractors. The proximity of Energy logistics to the headquarters of the main Italian distributors has given the company a solid partnership with the main market players. Italy (87% in 2021) and Europe (11% in 2021) currently representing the main geographical revenue areas. The company also has a remarkable niche presence on the North American market where it earned 2% of its revenue in 2021. Moreover, the export share only dropped in 2021 and is now expected to expand continuously.

The Company operates as a *first mover* and is one of the Italian market pioneers growing rapidly since it was set up in 2013. It is now at the centre of the most important trends linked to energy transition. Based on the most recent estimates*, the global storage market is growing at an unprecedented rate and will reach a total of 358 GW/1028 GWh by 2030, more than twenty times the capacity installed at end of 2020 (17 GW/34 GWh), attracting 262 billion dollars in investment between 2021 and 2030. (*Data source - BloombergNEF – Global Energy Storage Outlook 2021).



PYLONTECH

Liberating Your Energy Sustainably

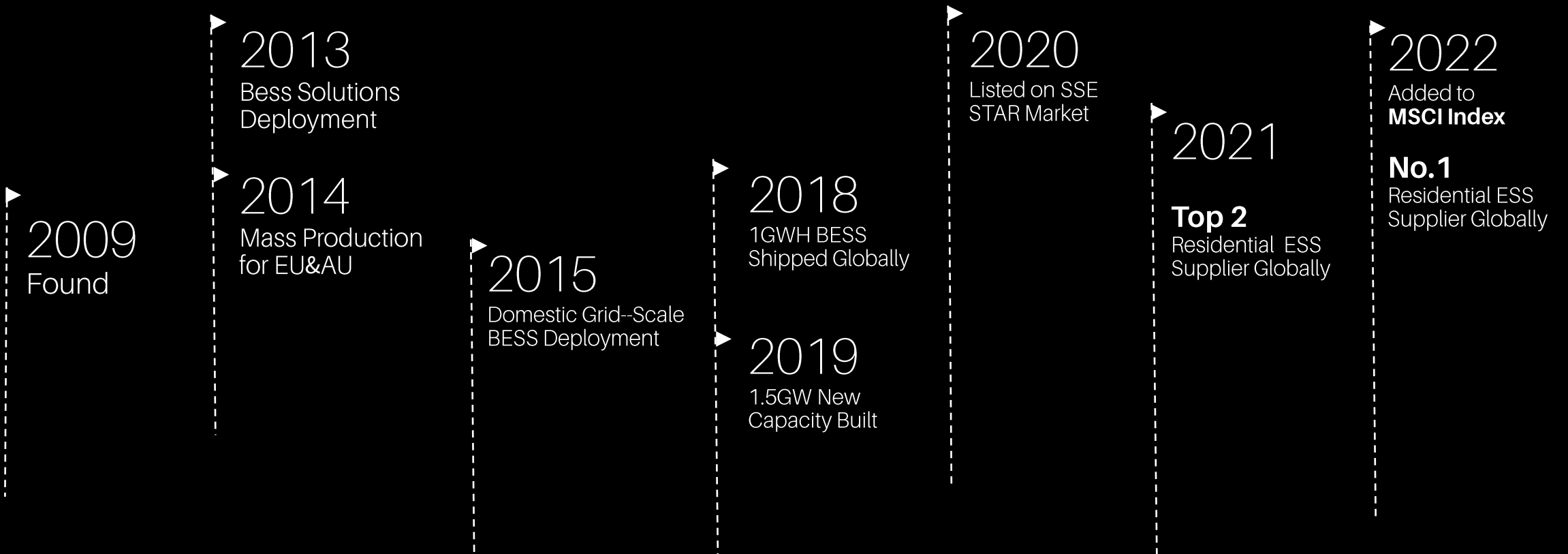
About

PYLONTECH

A Dedicated BESS Provider

Pylontech is a dedicated BESS (battery energy storage system) provider, consolidating expertise in electrochemistry, power electronics, and system integration to deliver reliable BESS solutions globally. With its continuous and rapid growth, it has become a leading supplier of lithium battery energy storage systems worldwide.

Milestones



Overview

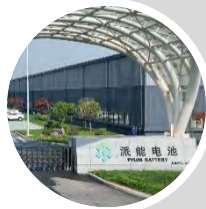


Headquarter

Pudong, Shanghai

- BMS R&D Center
- Pack R&D Center
- System Integration R&D Center

Manufacturing Bases / R&D Centers:



Yangzhou, Jiangsu



Cell R&D center

Cells Production
Pack assembly



Hefei, Anhui

- **ESS R&D Center**
- Cells Production Base
- 704 Million Euro
- 10GWh Capacity



Kunshan, Jiangsu




Pack R&D Center

Module Assembly
Container Integration



Huangshi, Hubei

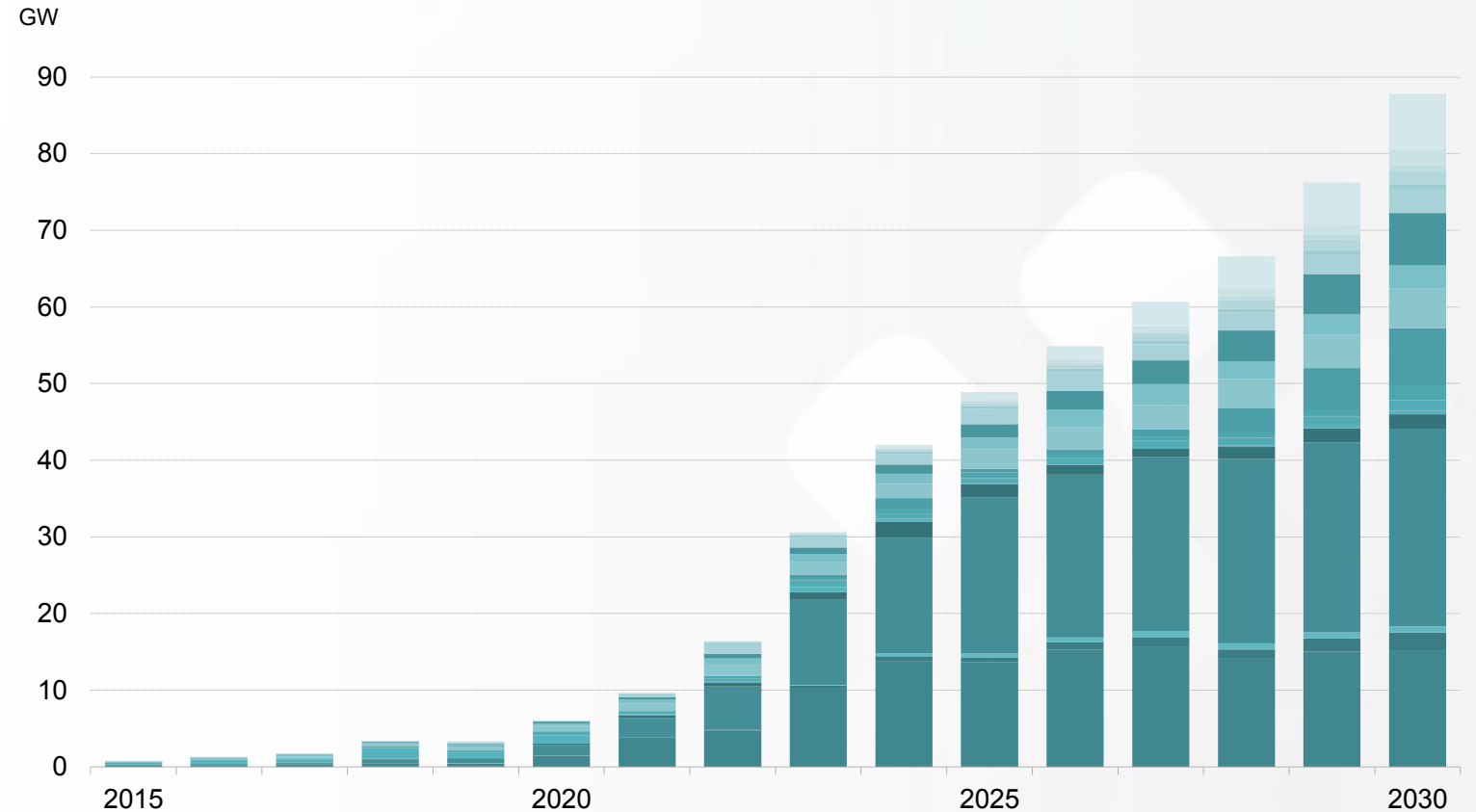
 Pack assembly
Module Assembly

8.0 GWH

Production Capacity
Only for ESS

Rapid Growth in Global Gross Energy Storage Capacity

By 2030, the global energy storage market size will expand more than four times compared to 2022.



Data Source: BloombergNEF.

Steadily and Drastically Growing

Pylontech Annual Delivery

2013 2014 2015 2016 2017 2018 2019 2020 2021 2022



No.1

- Pylontech
- Company A
- Company B
- Company C
- Others



Europe

North
America

Asia

1,000,000+

Residential ESS Globally Served

Africa

80+countries

Global Deliveries

Pacific

Latin
America

Our Achievements

MSCI

Index Company

1 st

ESS-focused company
listed on SSE STAR market
(Stock No.688063)

Top 50

Forbes China Most
Innovative Companies

No.1

Global Residential
ESS supplier ranked
by IHS Research

Data source:

<https://www.msci.com/our-solutions/indexes>

<https://www.forbeschina.com/innovation/61521>

Strong R&D Capabilities



6.35%

R&D
Investment



238+

Independently-
Developed Patents



10+

Years ESS Technical
Proven and accumulation

Top R&D Platform Qualified

- LFP Engineering and Technology R&D institute
- Postdoctor Innovation Center

Significant Investment In R&D

- Advanced testing and analyze equipment
- Comprehensive scientific research system

UL 1642, UL1973 Witness Testing Lab

- Over 4000 m²
- Large testing current range from 10mA to 1000A
- Testing voltage from 0V to 750V
- 3000+ test channels



Products

Low
Voltage



12V

Back Up

Amber Rock /Mini Amber

473Wh
Camping/Caravan

RV/PY12100

1.2kWh
Caravan/track/Marine etc.



24V

Residential BESS

UP Series

2.8kWh
Lead acid battery replacement
Light RESS



48V

Residential BESS

US Series

2.4, 3.5, 4.8kWh / 19" rack mount

Force-L Series

3.5kWh / IP55 / stackable mount

Pelio

5.1kWh / IP65 / stand-alone



48V

Telecom

BP Series

2.4, 4.8kWh / 19" rack mount

Certifications

✓ IEC62619

✓ IEC63056

✓ CE

✓ VDE2510-50

✓ UL1973

✓ UL9540A

✓ UKCA

✓ JET/JIS

Products

High
Voltage



400V

Residential BESS

Force-H Series

3.5kWh / IP55 / Stackable mount

Powercube-X Series

2.4, 3.5kWh / 19" rack mount



1000V

Light Commercial

Powercube-H series

2.4, 3.5kWh / 19" rack mount
Light Commercial

Powercube M1C / M2

108kWh/rack
Up to 32 racks per system
Up to 1C-rate for daily cycle application



1500V

C&I ESS

Optim US

60~240kW / 100~400kWh
All-in-one ESS solution
PCS, BESS, EMS, HVAC, FSS
pre-mount

LiPower-U100-400

5.7kWh / 19" rack mount
3.6C discharge
Data Center



1000~1500V

Grid Storage

Powercube-20H/40H

Up to 3.3MWH per container Utility ESS

Certifications

✓ IEC62619

✓ IEC63056

✓ CE

✓ VDE2510-50

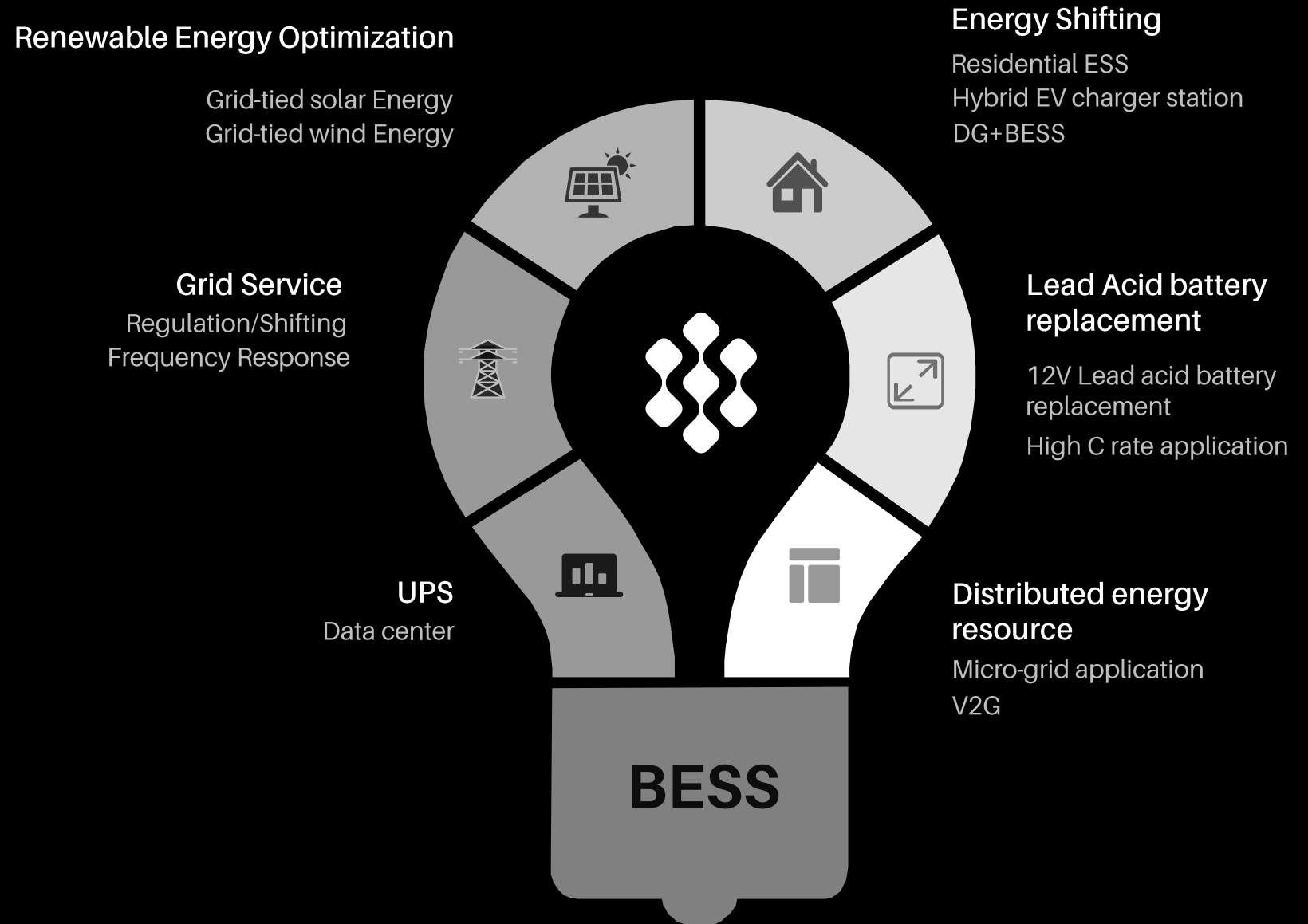
✓ UL1973

✓ UL9540A

✓ UKCA

✓ JET/JIS

Your Best LFP Battery Choice for...



Reliability is Proven

1,000,000+ Residential ESS delivered globally from 2013



Mission

Liberating Your
Energy Sustainably

Vision

To Energize Billions
With Smarter Power

BIOGRAPHY OF DAVIDE TINAZZI



In 2000 he was a research engineer at the Composite Materials Research Centre at the University of Missouri - Rolla and the same year he obtained a five year engineering degree at the University of Padua, where he worked as a contract researcher until 2005. In 2003 he obtained his Phd at the University of Trento and undertook a master's degree in project management & Innovation Management at the University of Padua. Between 2005 and 2007, he worked as a freelance engineer and was mainly involved, in the role of Project Manager, in the construction and business start-up project of a facility for applied research in the field of nanotechnologies for the entrepreneurial fabric of the Veneto region. From 2007 to 2011, he covered the position of COO and Project Management Office Manager at Mitsubishi Electric- Klimat Transportation System S.p.A. (formerly Klimat-Fer S.p.A) and, from 2011 to 2012, he held the role of Project Manager in an international project with production startup in the USA, at Far Systems S.p.A. **In 2013 he founded Energy S.p.A., of which he is CEO.**



BIOGRAPHY OF GEOFFREY SONG



Geoffrey Song currently is the Vice President at Pylontech. Pylontech is the first publicly listed company in China that primarily focuses on energy storage as its core business and has been included in MSCI China A Shares Index. Geoffrey has rich experience and extensive knowledge of the energy storage industry. He helps set Pylontech's overall strategic direction and lead teams to fulfil company's mission to 'liberate YOUR energy sustainably' by delivering reliable energy storage solutions globally. Geoffrey has been playing a key role in the company's rapid growth and success and he is passionate about driving innovation and development in the energy storage industry to promote decarbonization and energy transition.