

Future in motion.

Deutsches Eigenkapitalforum 2022

TION

History and status quo



Growth track record

We built a strong track record as a dynamically growing renewable energy company...

+67%

Portfolio size
CAGR 2019 - 2021

+40%

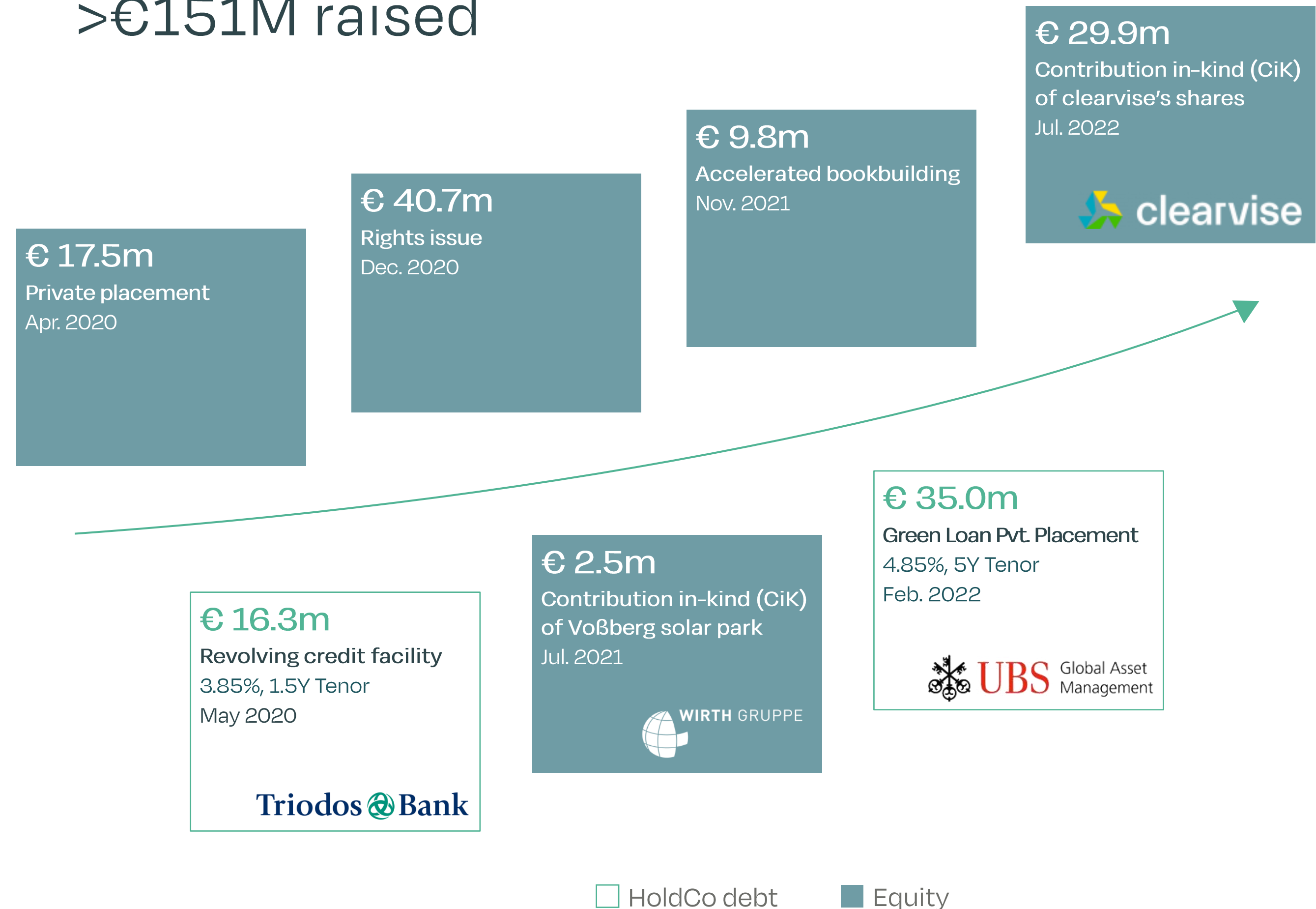
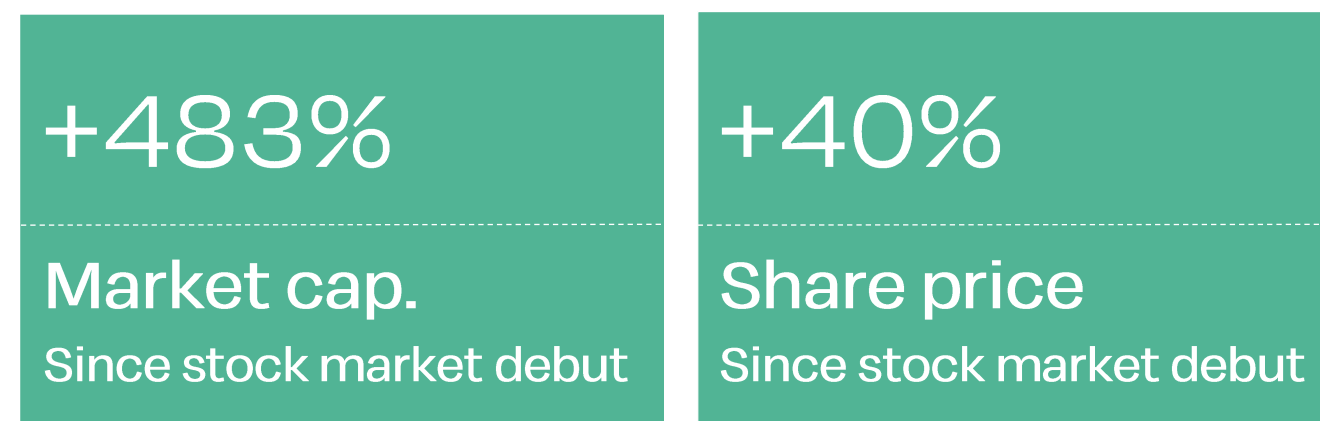
Revenue growth
CAGR 2019 - 2021



Funding track record

...and we have successfully raised capital to finance our growth story.

>€151M raised

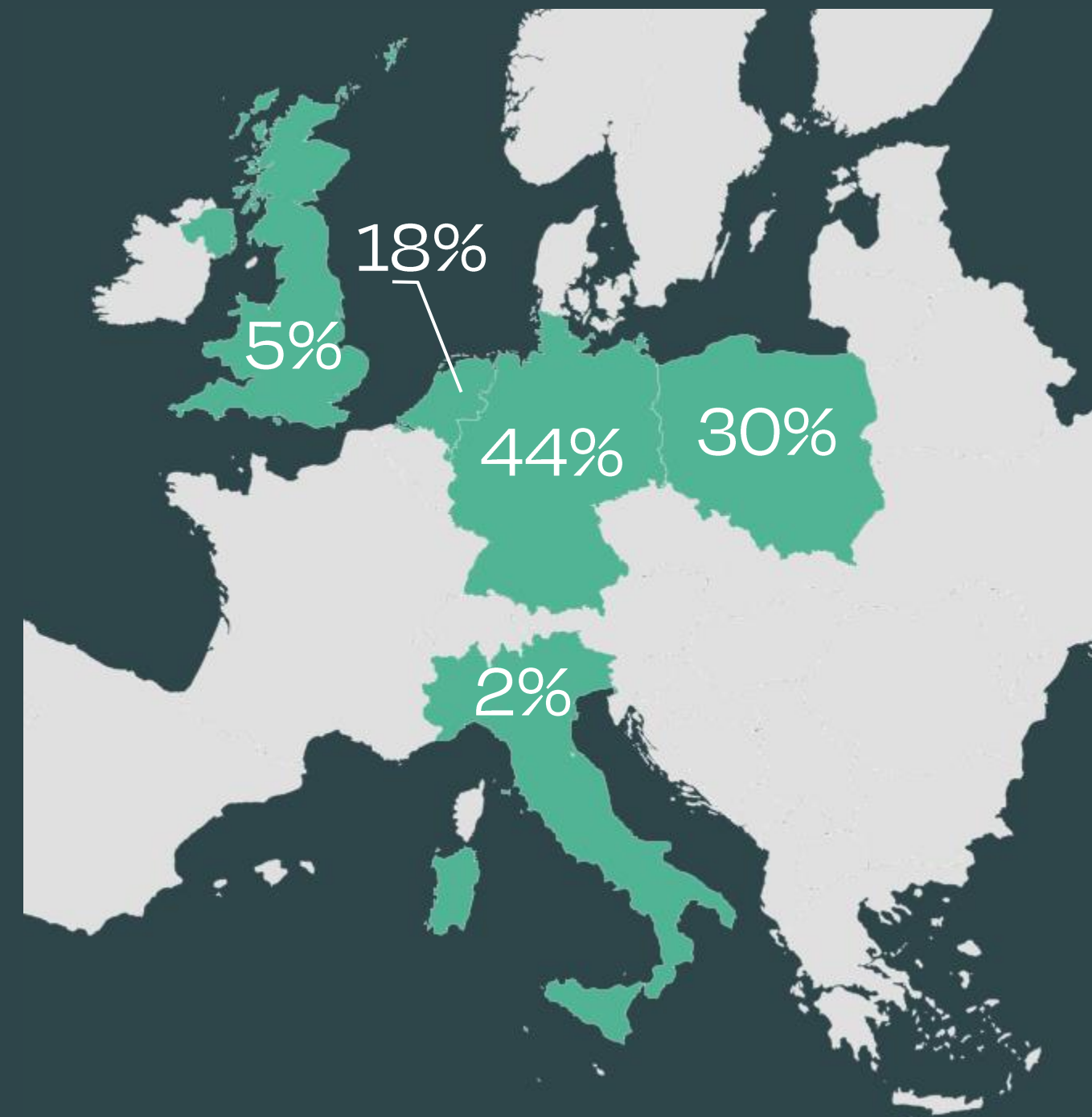
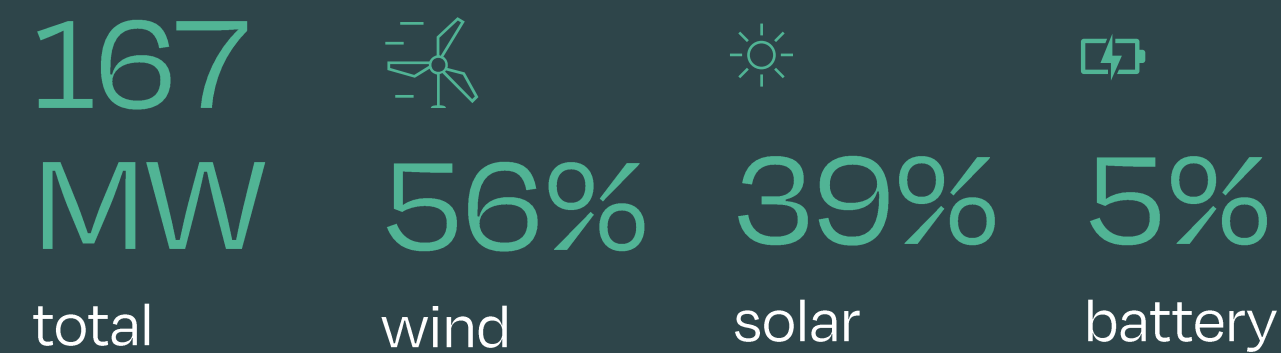


Market capitalization and share price increase are determined based on the share price from XETRA as of Aug. 26, 2022.
Figure for Triodos' RCF refers to maximum committed amount.

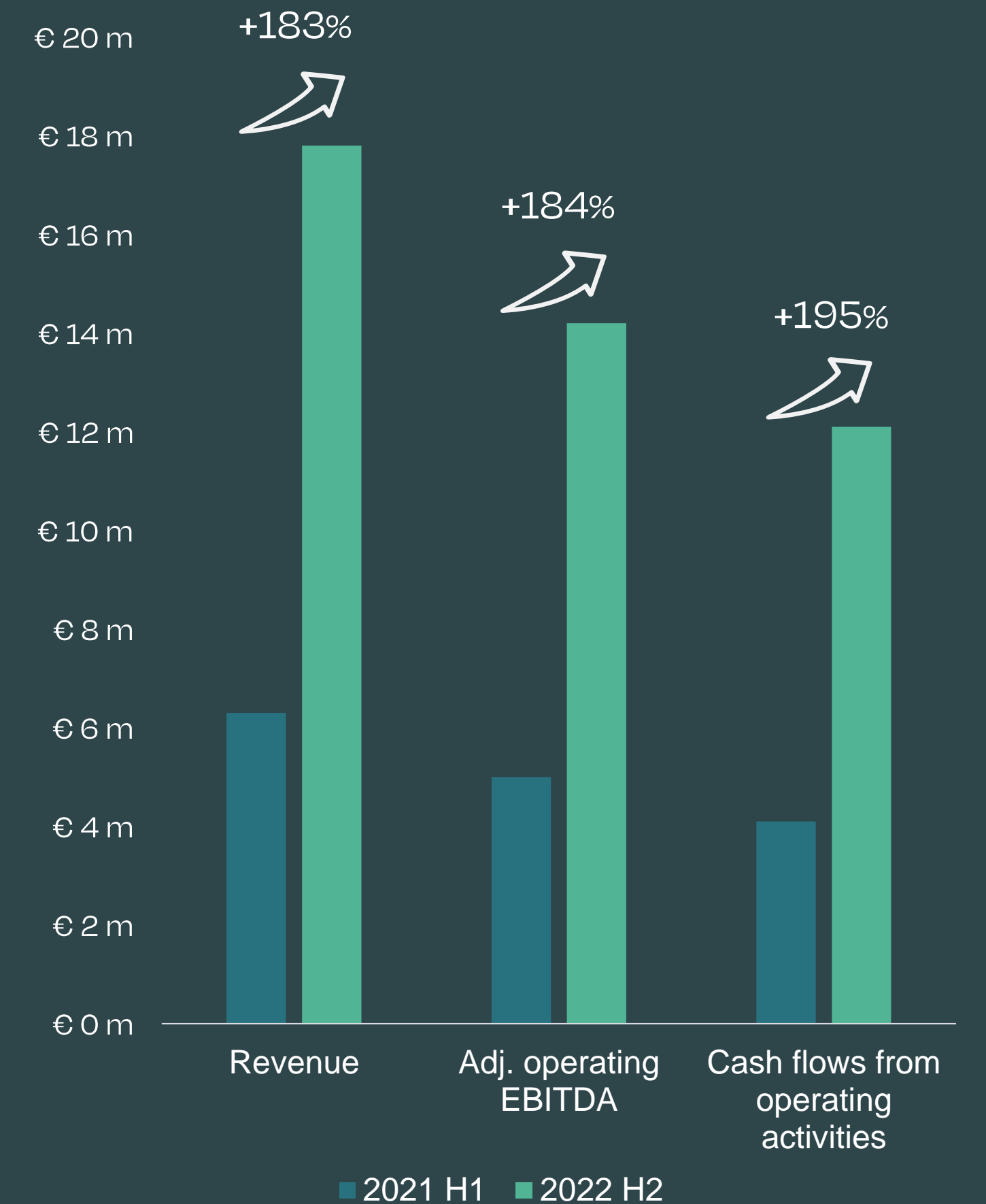
Tion portfolio

We built a well-diversified European utility-scale solar and wind portfolio providing us a wealth of strategic opportunities.

Solar & wind parks and battery storage



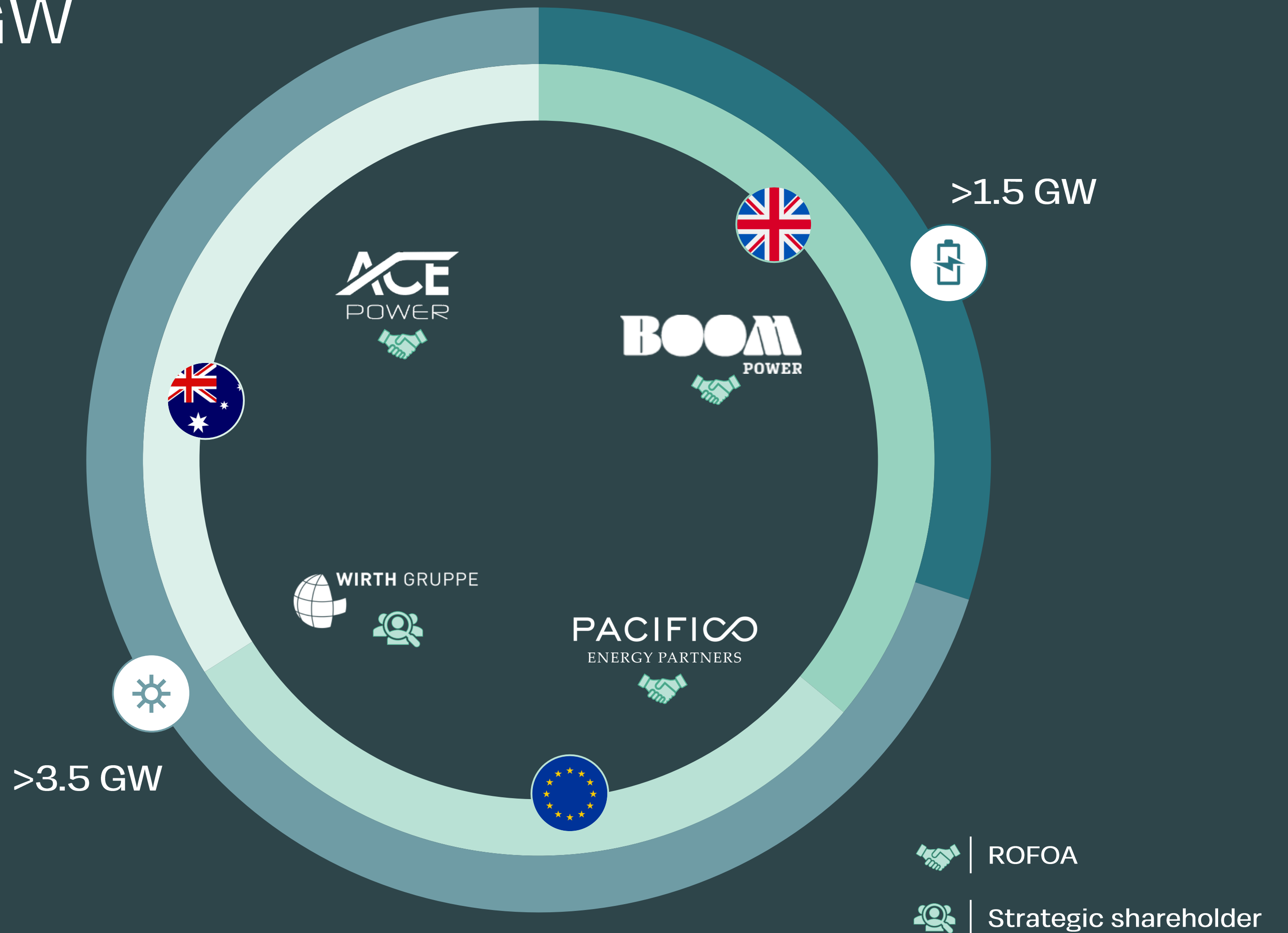
Financials



Pipeline

>5 GW

We have built priority access to a pipeline of >5 GW including > 1.5 GW battery storage projects.



Pipeline is defined as at least land and/or grid secured.

Right of first offer agreement (ROFOA) guarantees Tion the right but not the obligation to submit the first offer to acquire any renewable energy or energy storage project developed by our 3 partners.

Next leap forward

Strategic initiatives

We have defined three strategic initiatives to take the next leap forward.

Beyond balance sheet

- 1 | Explore capital solutions
- 2 | Join forces with clearvise

Beyond renewables

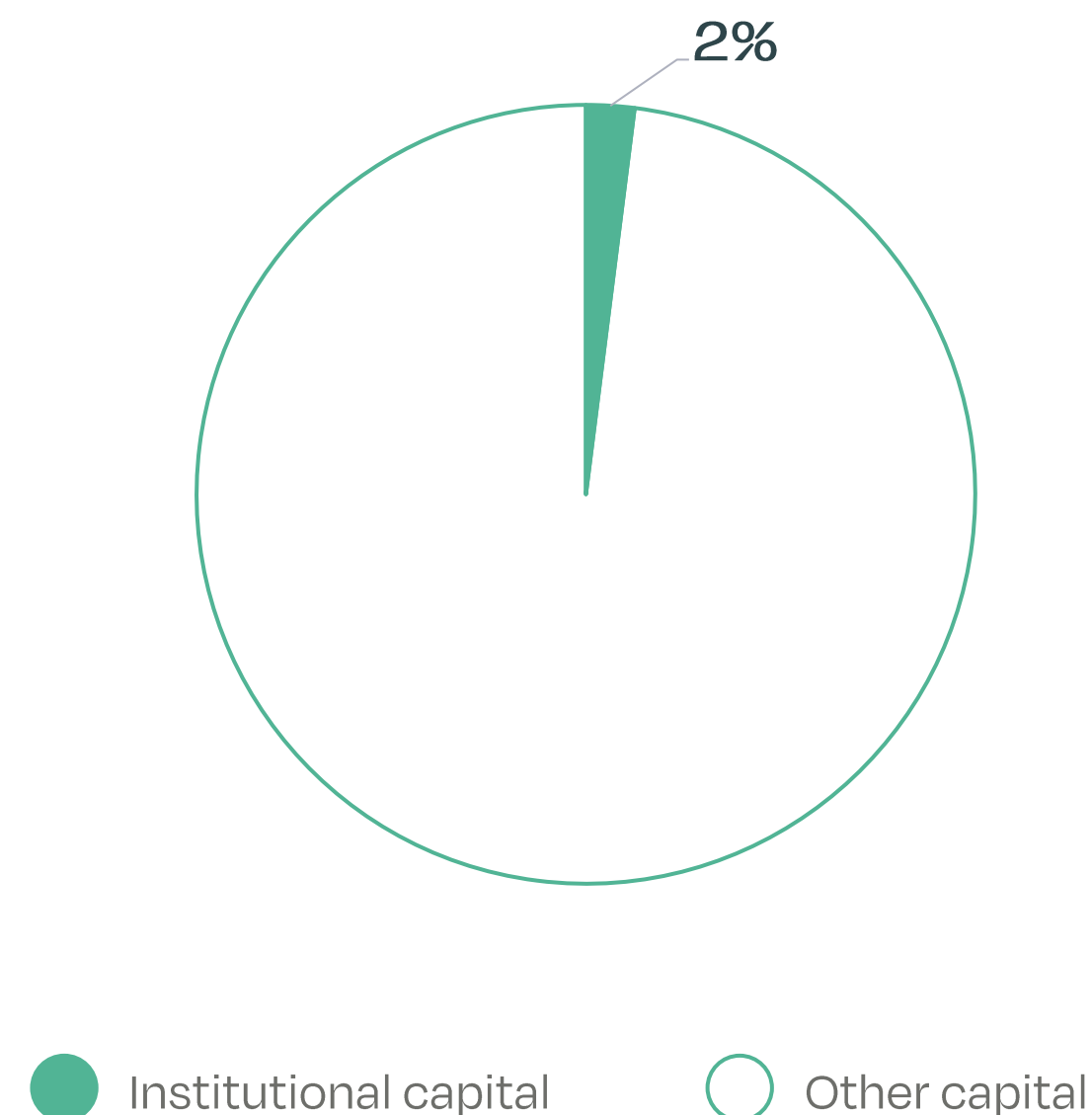
- 3 | Invest in green technologies ready to scale

Explore capital solutions

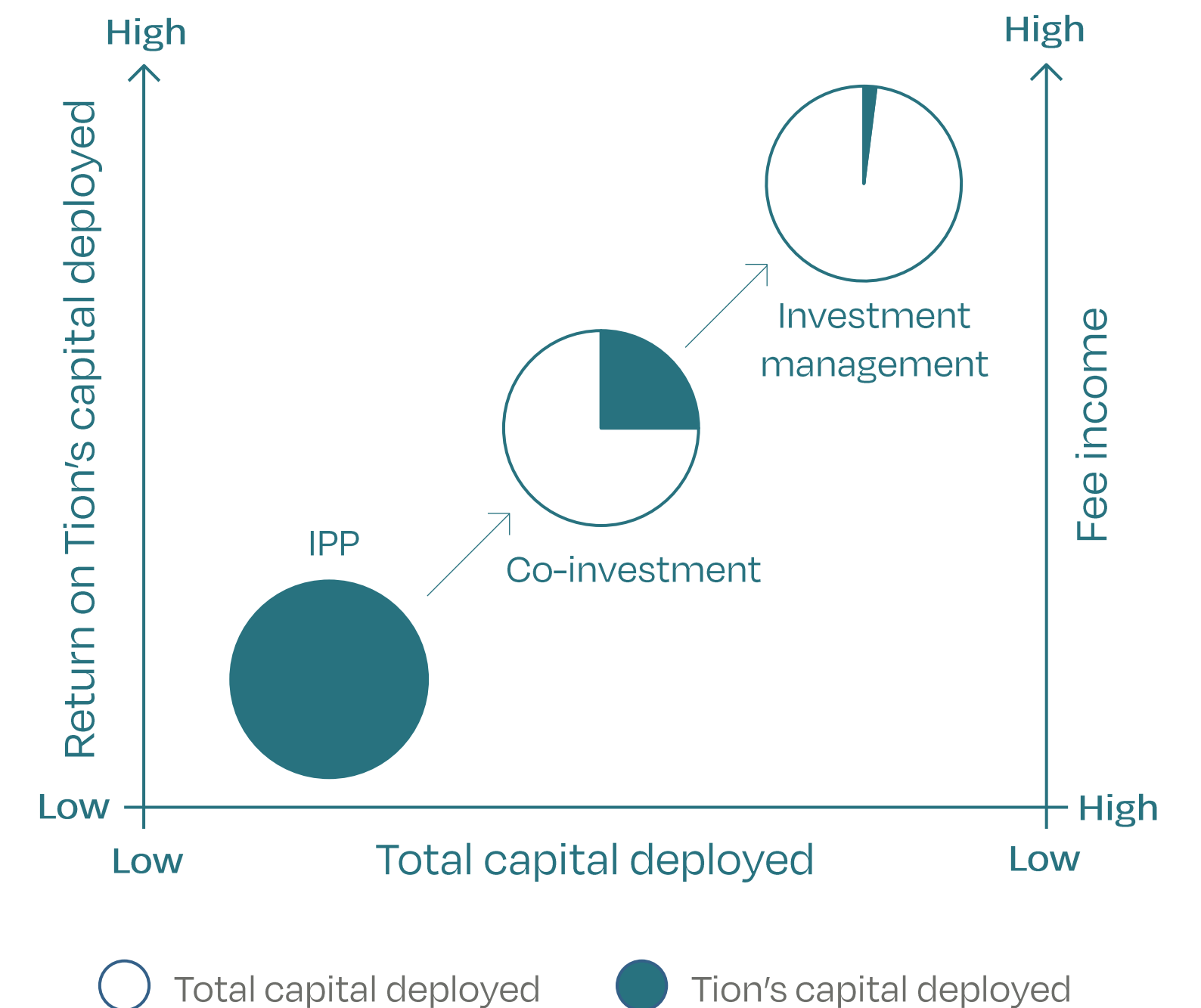
We aim at channeling more institutional capital directly into energy transition assets and deploying our own balance sheet more efficiently.

Large and growing potential of more institutional capital directly invested into energy transition assets

Share of direct investments on total renewable project investments, 2018



Creating opportunities to co-invest alongside Tion

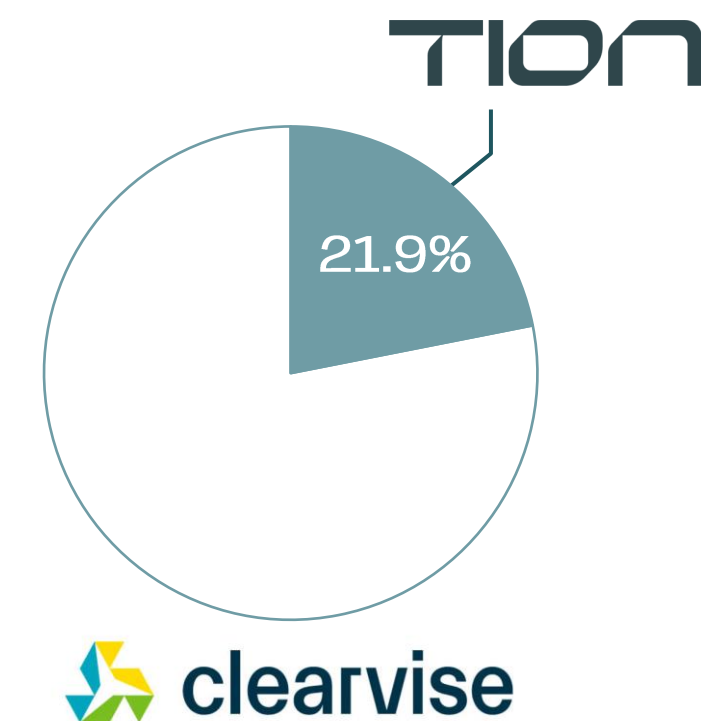


Join forces with clearvise

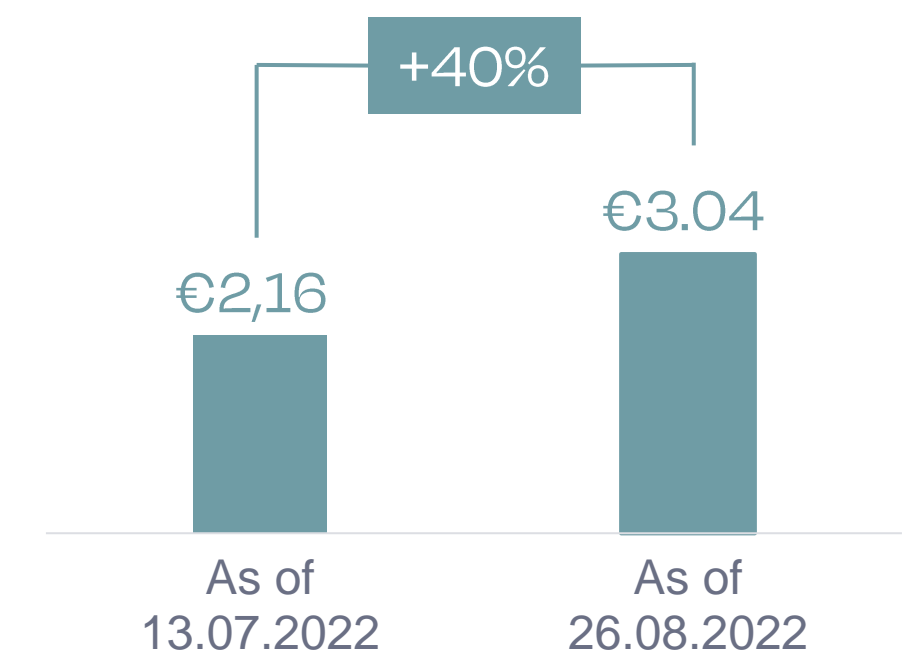
Accretive investment...

- Exchange ratio: 13,897,848 clearvise shares received at € 2.16 against 1,024,915 newly issued Tion shares at € 29.25
- Increased exposure to renewables benefitting from historically high electricity prices

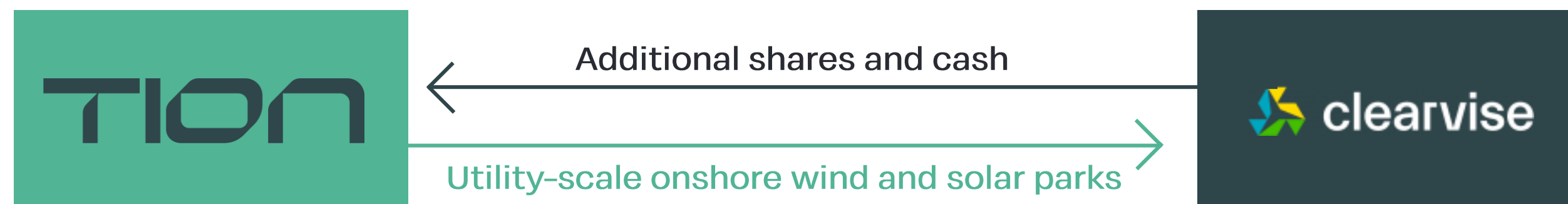
Current equity stake



clearvise's share price



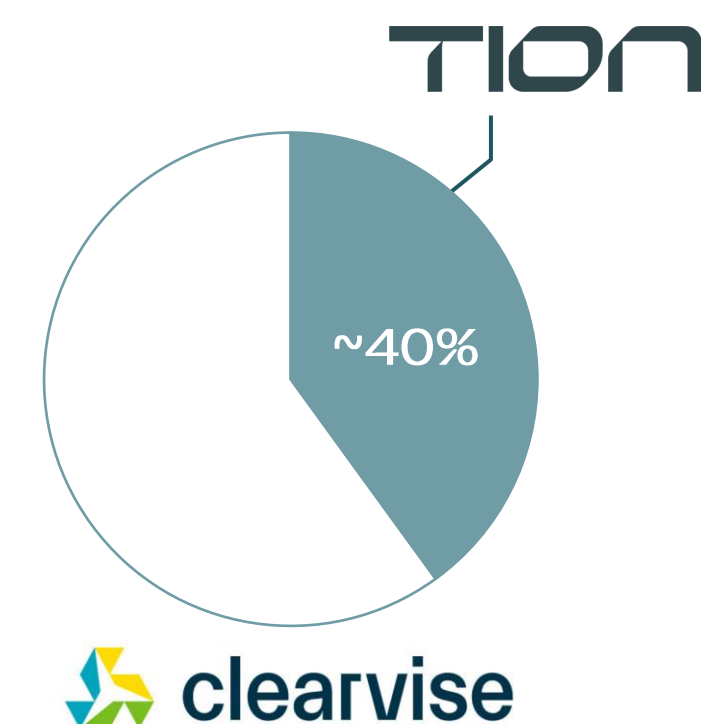
...with a strategic agenda



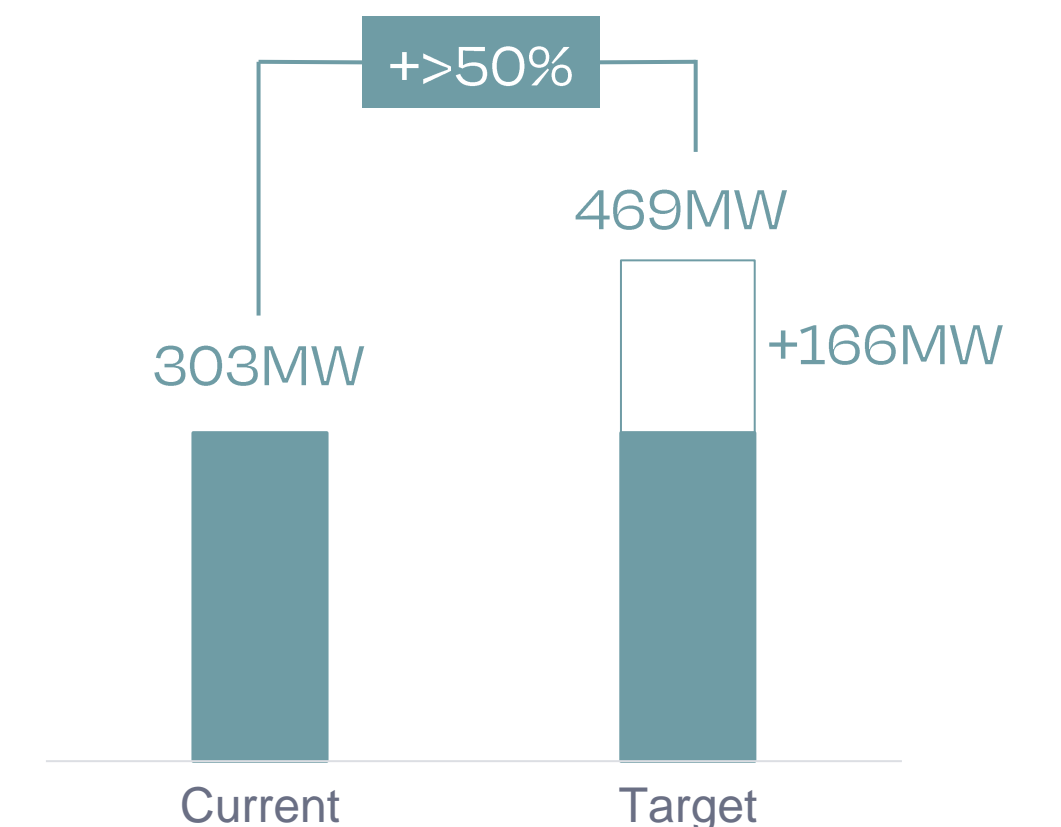
- Focuses on strategic initiatives
- Anchor shareholder in Germany's 2nd largest public IPP
- Cash proceeds and dividends to be invested straight away beyond renewables

- Increased and more diversified portfolio
- Backed by Tion as anchor shareholder
- Benefits from economies of scale

Target equity stake



clearvise's portfolio



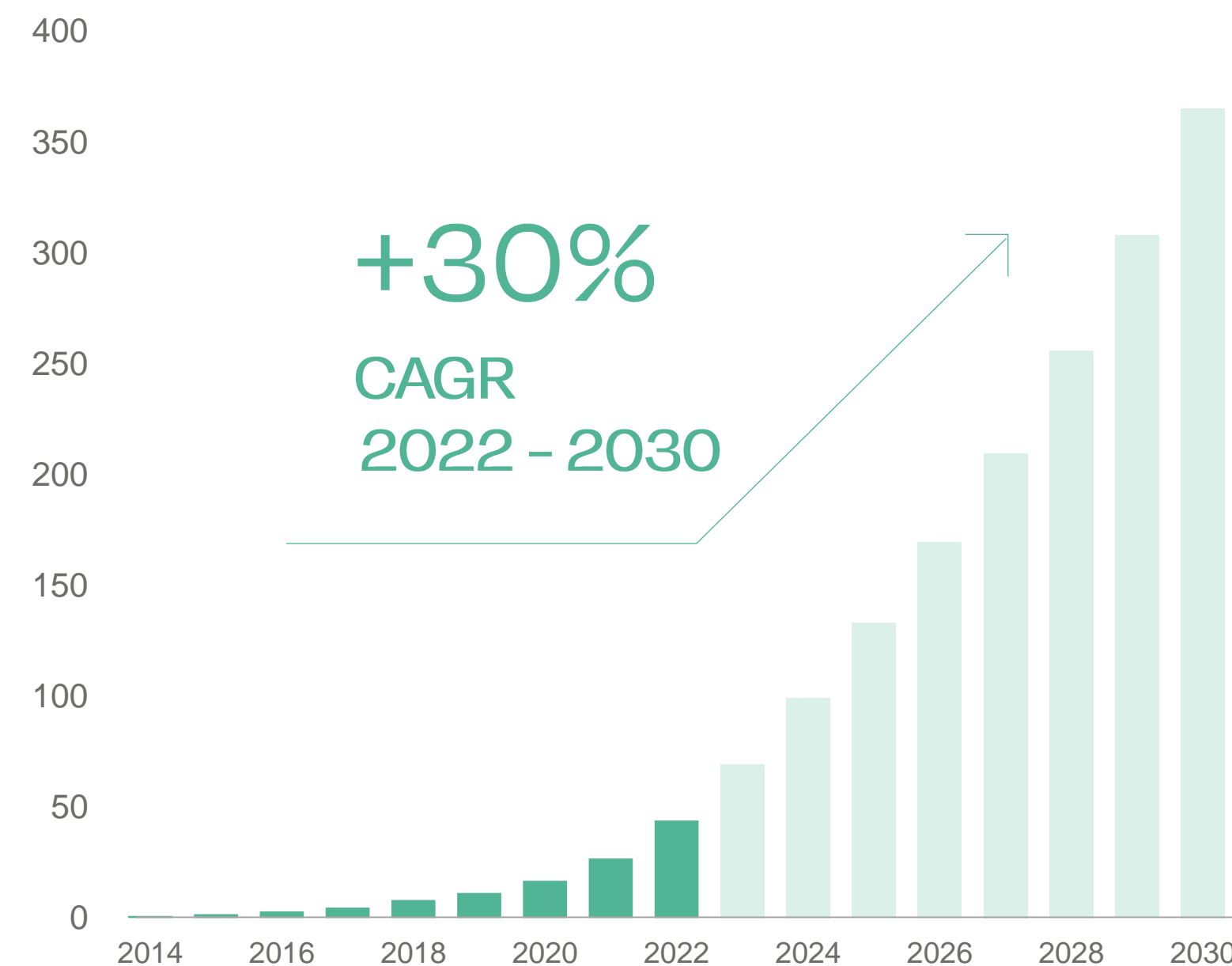
clearvise's share price is determined based on the price from XETRA as of Aug. 26, 2022.
Final size of contributed portfolio will depend on further developments.

Beyond renewables

We have identified battery storage as our next key growth area.

Battery storage build-out is accelerating

Global battery storage capacity (GW)



We have built priority access to a large battery storage pipeline

> 1.5 GW battery storage pipeline



BOOM
POWER



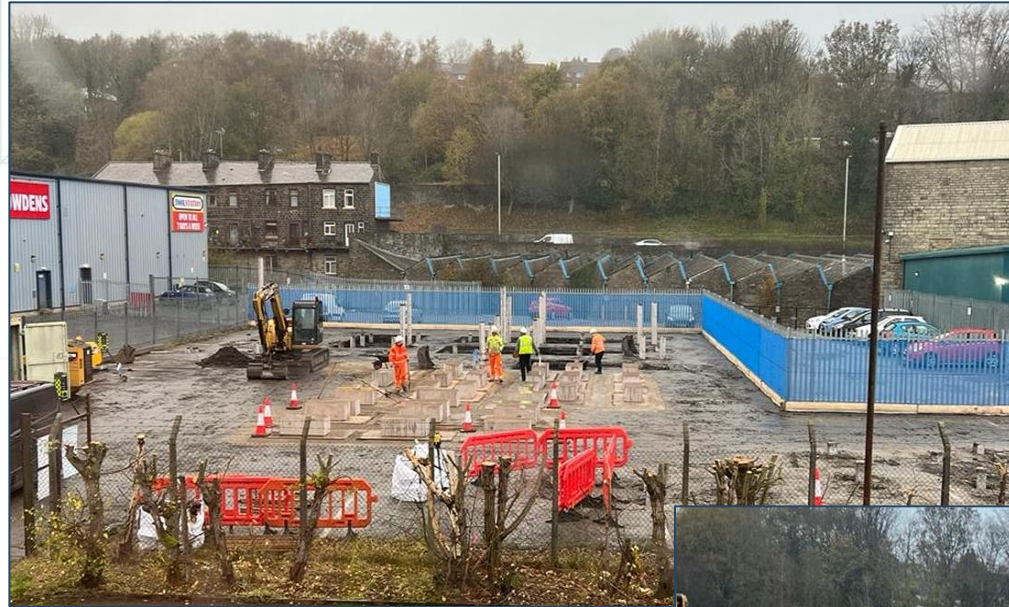
ACE
POWER



PACIFIC
ENERGY PARTNERS

Acquisition of our first battery storage project

Bacup, UK
8.0 MW/9.3 MWh



Battery Energy Storage Systems (BESS)

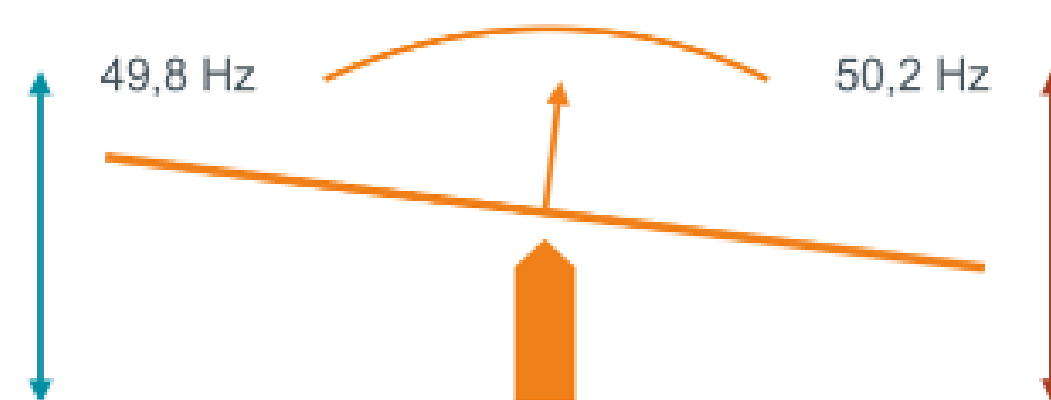
System imbalances by renewables

Rising renewables cause three types of imbalances in the energy system which need to be compensated

1

Short-term imbalances

Generation and demand of electricity in the grid must always match, down to milliseconds, even if weather conditions change

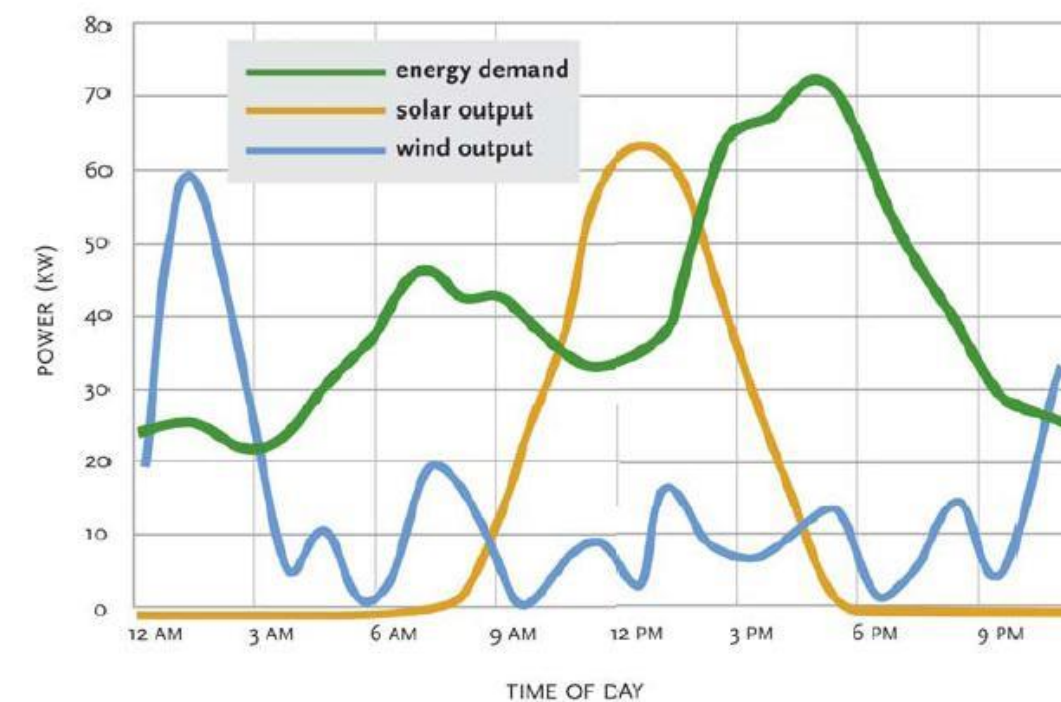


Mitigatable by BESS

2

Intra-day imbalances

Generation from renewables (e.g. peak at noon) rarely matches the daily demand pattern for electricity (e.g. peak at evening)

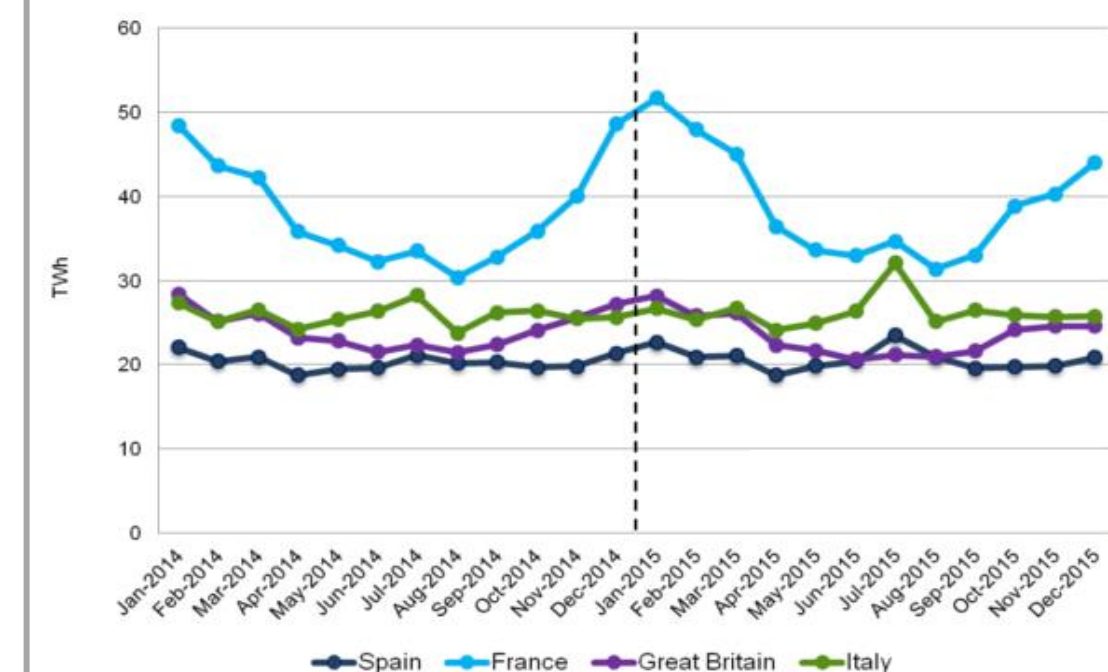


Mitigatable by BESS

3

Seasonal imbalances

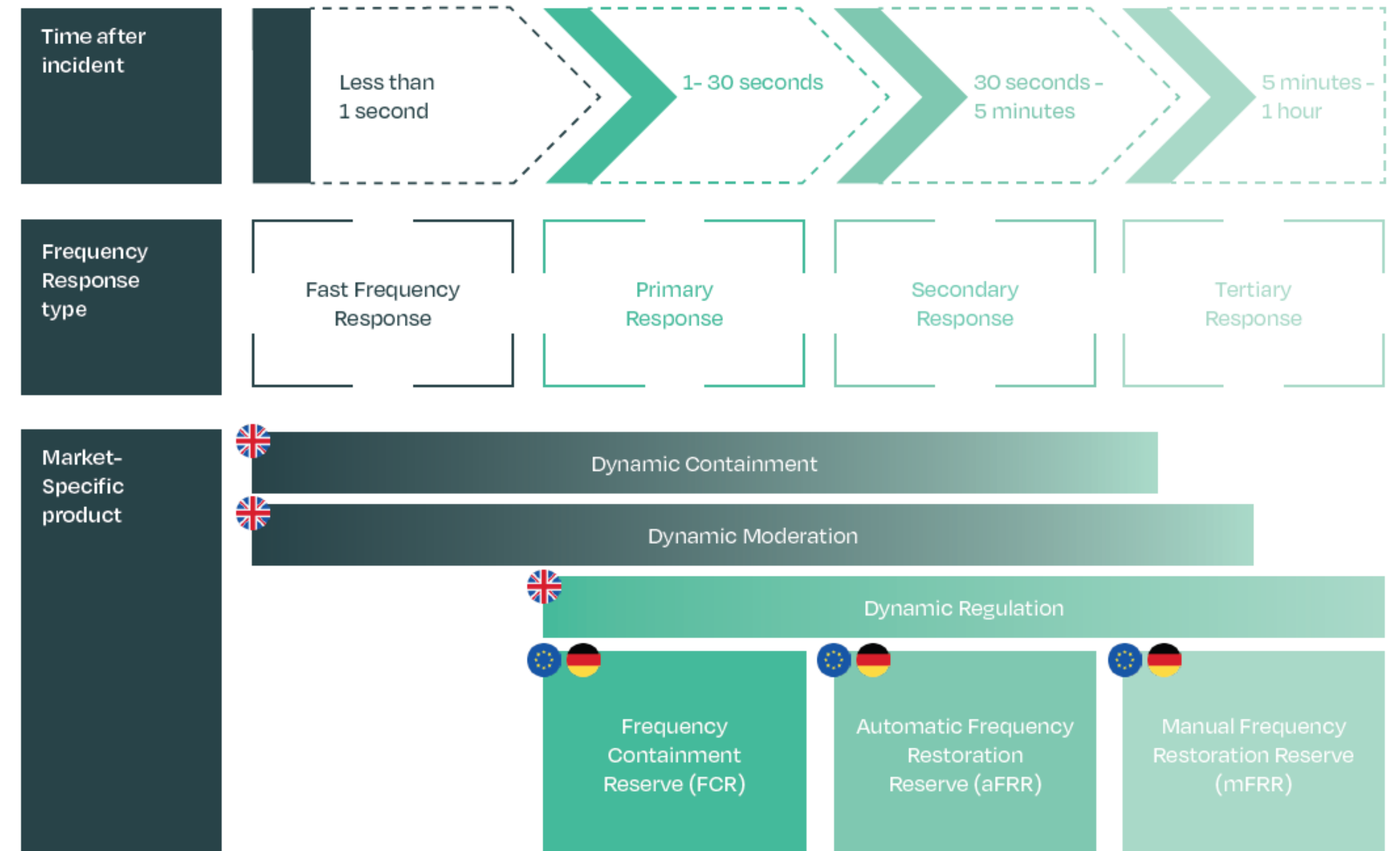
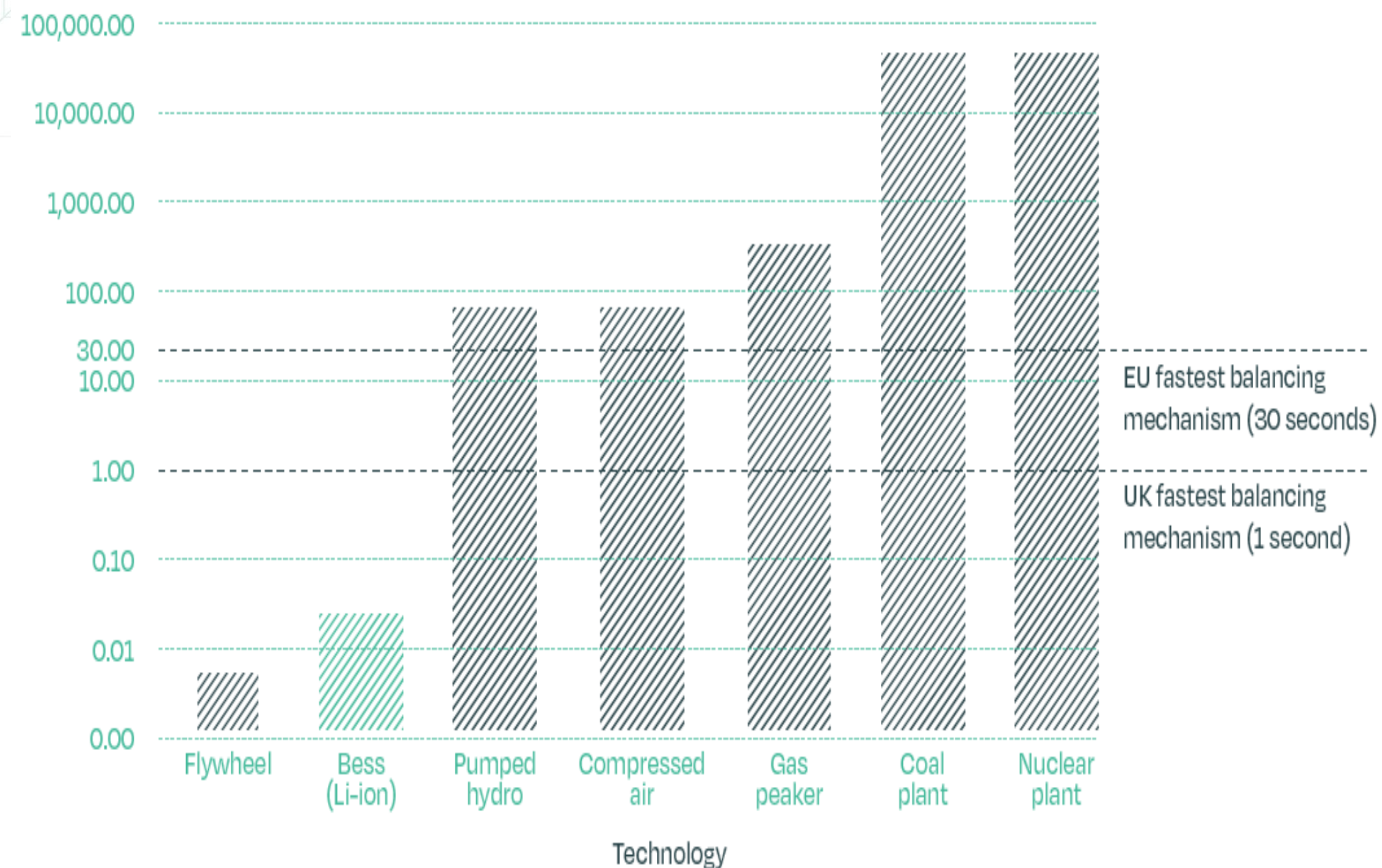
Distribution of renewable power generation over the course of the year does not match seasonal consumption patterns



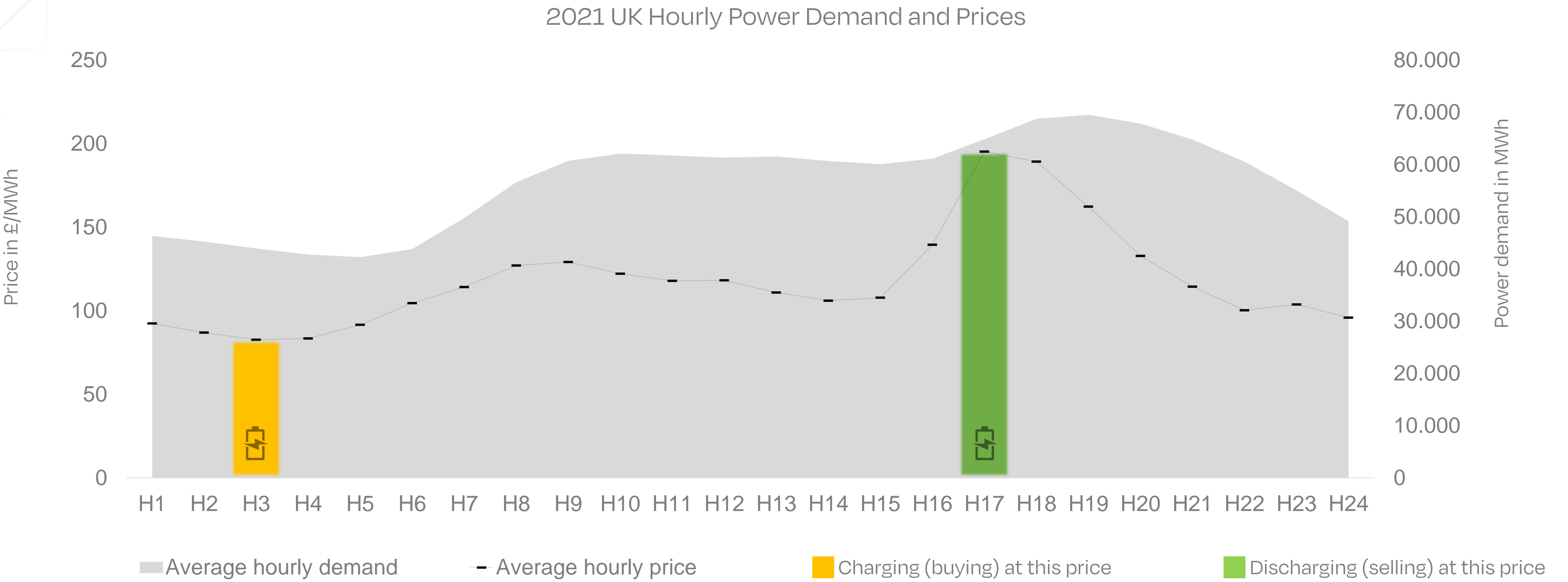
Not mitigatable by BESS

Ancillary services: Stabilize the grid

Activation time (in seconds)



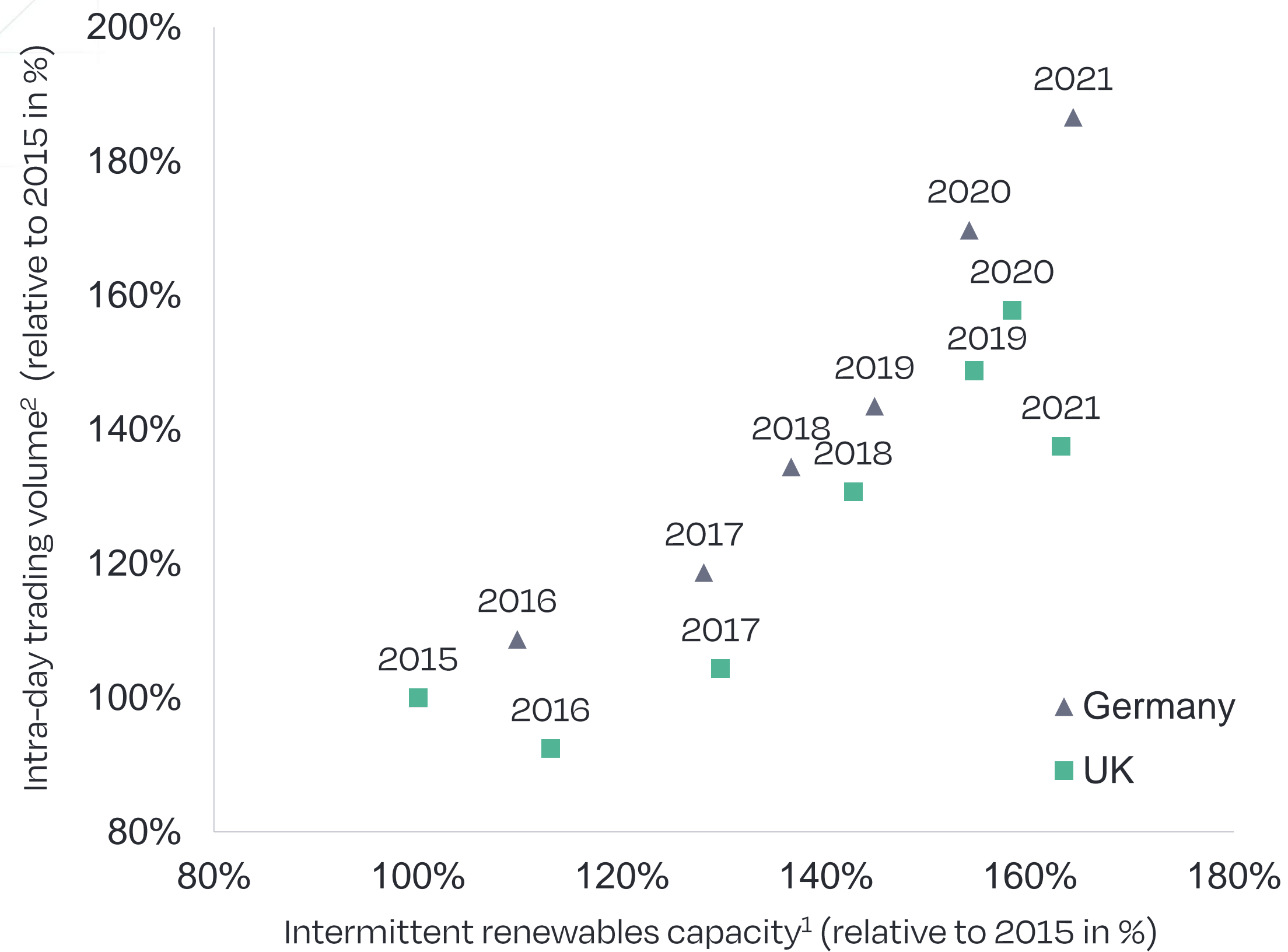
Wholesale trading: Benefits from price volatility (1/2)



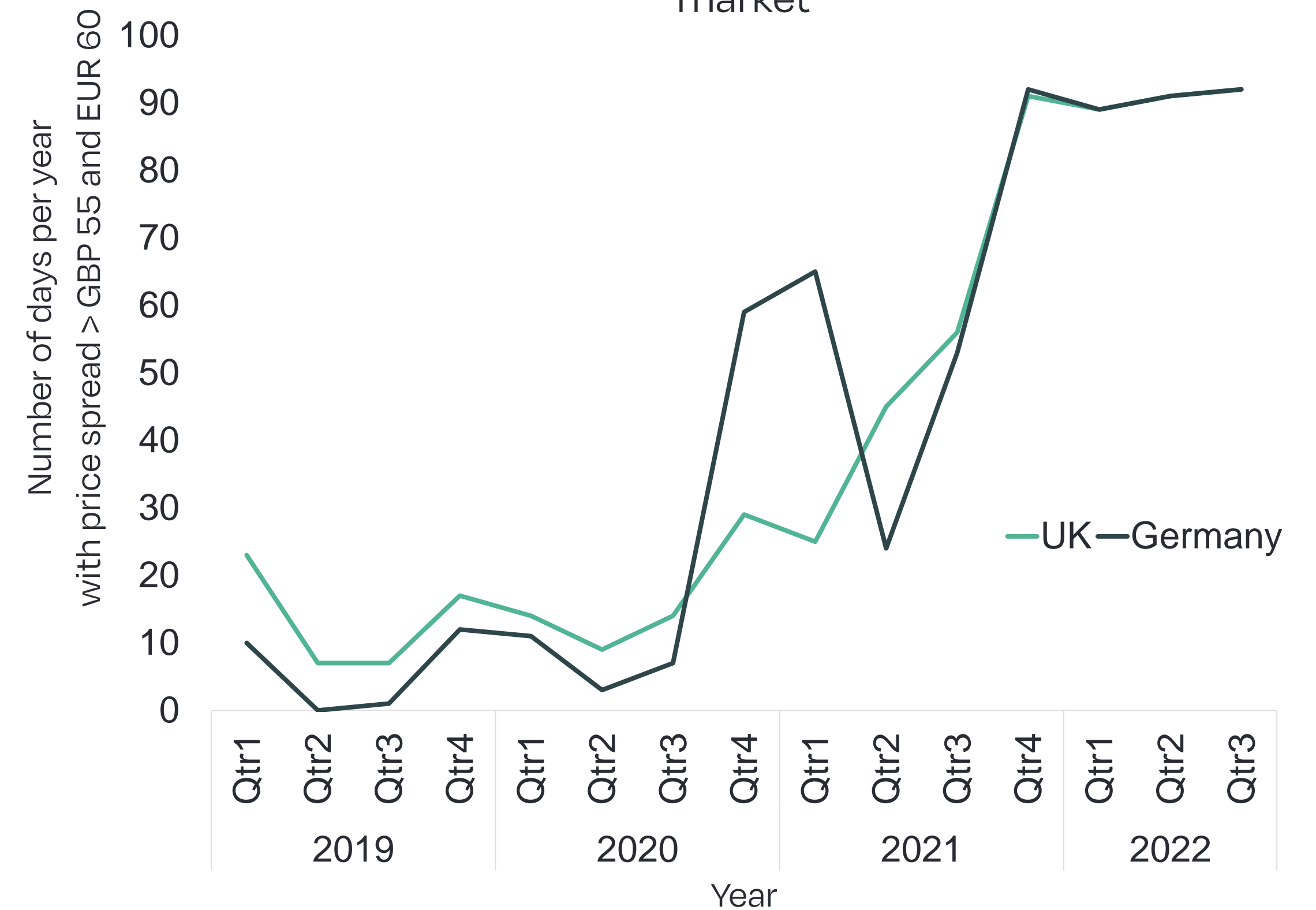
Sources: APX UK Power Day-Ahead Auction Price Hourly, accessed on Bloomberg terminal

Wholesale trading: Benefits from price volatility (2/2)

Intra-day trading volumes vs. renewables capacity








Trading opportunities for BESS in UK and GER day-ahead market



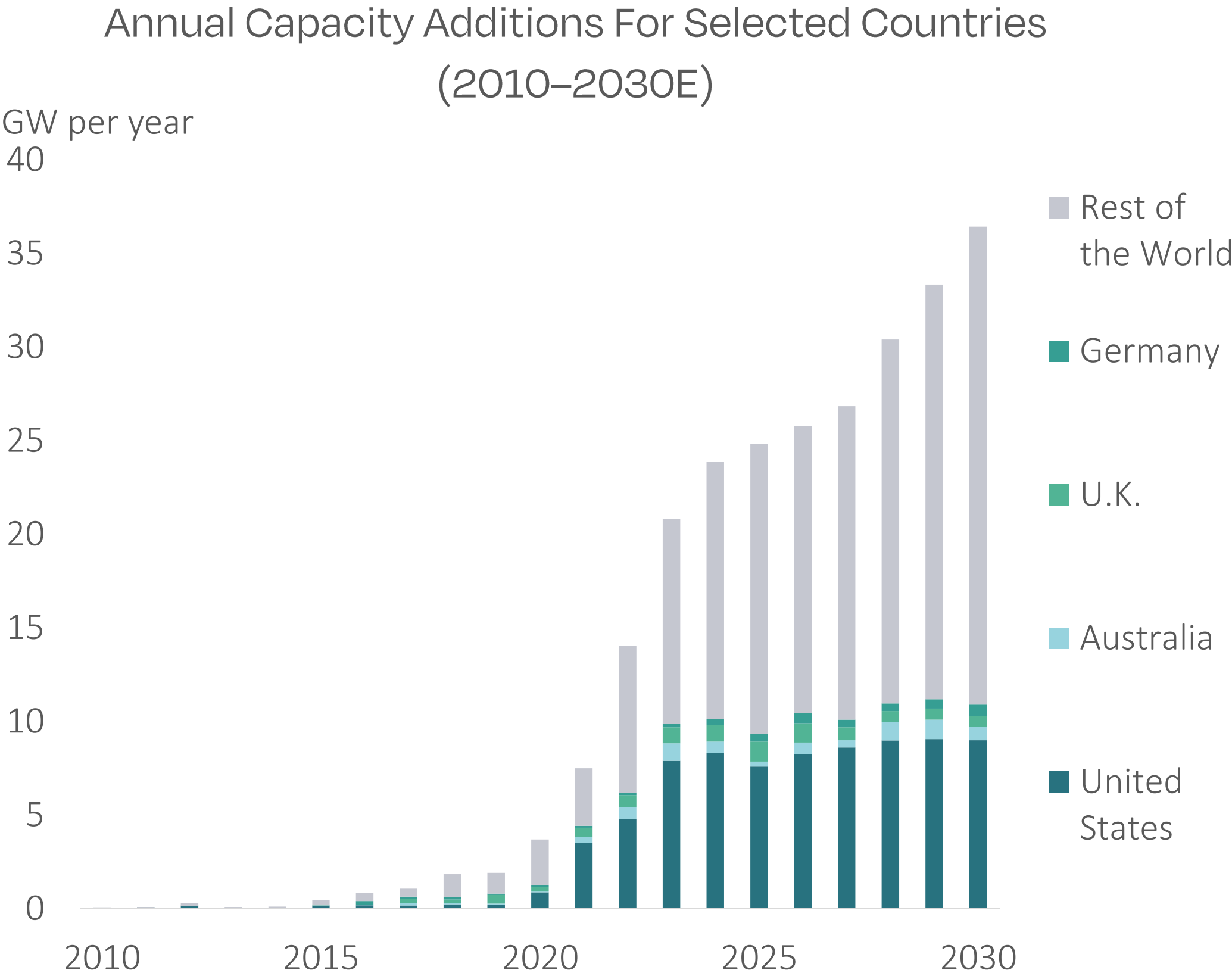
The risk/return profile in perspective

	BESS	Solar / Wind
Unlevered IRR	8 - 10%	4 - 8%
Debt Ratio	0% - 30%	60% - 90%
Main revenue streams	Wholesale market, ancillary services, capacity market	Power purchase agreements (PPAs), subsidies, wholesale markets
Lifetime	7,500 cycles (21 years assuming one cycle per day)	25 – 30 years
Build-out of renewables	More volatile power markets -> Higher revenue potential	More hours with low or negative prices -> Lower capture prices (price cannibalization)
Other key risks	Changes to market design, nascent technology	Meteorological conditions, grid curtailment

Outlook

	Coal phase-out	Renewable electricity target	Current Battery Storage Cap. (2022)	National Battery Storage Target	CAGR
 UK	2024	100% by 2035	~2.3 GW	20 GW by 2030	31%
 Germany	2030	100% by 2035	~0.9 GW	21 – 26 GW by 2037	23 – 25%
 France	2024	40% by 2030	~0.4 GW	2.5 GW by 2030	26%
 Italy	2025	70% by 2030	~0.2 GW	1.5 GW by 2030	29%
 Spain	2030	74% by 2030	~0.1 GW	2.5 GW by 2030	50%

Legend: Green = Strong | Yellow = Lack of ambition | Red = Insufficient or no targets



Future in motion.

Tion Renewables AG

Bavariafilmpfad 7, Building 49
82031 Gruenwald, Germany

Contact

T: + 49 89 693191190

F: +49 89 99950931

E: info@tion-renewables.com

www.tion-renewables.com

This document has been prepared with great care by the team of Tion Renewables AG (hereafter “Tion” and, together with its subsidiaries, the “Group”).

All material contained in this document and information presented is for information purposes only and must not be relied upon for any purpose, and does not purport to be a full or complete description of Tion or the Group. This document does not, and is not intended to, constitute or form part of, and should not be construed as, an offer to sell, or a solicitation of an offer to purchase, subscribe for or otherwise acquire, any securities of Tion, nor shall it or any part of it form the basis of or be relied upon in connection with or act as any inducement or recommendation to enter into any contract or commitment or investment decision or other transaction whatsoever. This document is not directed at, or intended for distribution to or use by, any person or entity that is a citizen or resident or located in any locality, state, country or other jurisdiction where such distribution, publication, availability or use would be contrary to law or regulation or which would require any registration or licensing within such jurisdiction. Persons into whose possession this document comes should inform themselves about, and observe, any such restrictions.

No representation, warranty or undertaking, express or implied, is made by Tion or any other Group company as to, and no reliance should be placed on, the fairness, accuracy, completeness or correctness of the information or the opinions contained herein, for any purpose whatsoever. No responsibility, obligation or liability is or will be accepted by Tion, any other Group company or any of their officers, directors, employees, affiliates, agents or advisers in relation to any written or oral information provided in this document or in connection with the document. All information in this document is subject to verification, correction, completion, updating and change without notice. Neither Tion, nor any other Group company undertake any obligation to provide the recipient with access to any additional information or to update this document or any information or to correct any inaccuracies in any such information. In particular, Tion's strategy and investment principles are subject to change and adjustment to market conditions.

A significant portion of the information contained in this document, including market data and trend information, is based on estimates or expectations of Tion, and there can be no assurance that these estimates or expectations are or will prove to be accurate. Where any information and statistics are quoted from any external source, such information or statistics should not be interpreted as having been adopted or endorsed by Tion or any other person as being accurate. All statements in this document attributable to third party industry experts represent Tion's interpretation of data, research opinion or viewpoints published by such industry experts, and have not been reviewed by them. Each publication of such industry experts speaks as of its original publication date and not as of the date of this document.

This document contains forward-looking statements relating to the business, financial performance and results of Tion, the Group or the industry in which the Group operates. These statements may be identified by words such as "expectation", "belief", "estimate", "plan", "target" or "forecast" and similar expressions, or by their context. Forward-looking statements include statements regarding: strategies, outlook and growth prospects; future plans and potential for future growth; growth for products and services in new markets; industry trends; and the impact of regulatory initiatives. These statements are made on the basis of current knowledge and assumptions and involve risks and uncertainties. Various factors could cause actual future results, performance or events to differ materially from those described in these statements, and neither Tion nor any other person accepts any responsibility for the accuracy of the opinions expressed in this document or the underlying assumptions. No obligation is assumed to update any forward-looking statements. Numbers might deviate due to rounding errors.

This document includes certain financial measures not presented in accordance with the German Commercial Code ("HGB") including, but not limited to, adjusted operating EBITDA. These financial measures are not measures of financial performance in accordance with HGB and may exclude items that are significant in understanding and assessing Tion's financial results. Therefore, these measures should not be considered in isolation or as an alternative to result for the period or other measures of profitability, liquidity or performance under HGB. You should be aware that Tion's presentation of these measures may not be comparable to similarly titled measures used by other companies, which may be defined and calculated differently. See the appendix for a reconciliation of certain of these non-HGB measures to the most directly comparable HGB measure.

TION