Balancing the Future

16.06.2025 Martin Nyborg

We serve the worlds’ growing need for energy storage, speeding up the transition to green energy

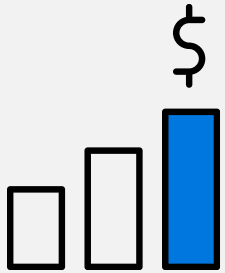
Facts and figures

2018

Established Pixii in Kristiansand, Norway

Tons

of experience in the power conversion industry



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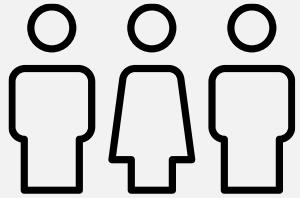
MUSD revenue in 2023



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Employees globally

50 | Technology Fast 50
2023 NORWAY WINNER
Deloitte.

Pixii - Norway's fastest-growing tech company

PIXII

no. 1

500
Technology Fast 500
2023 EMEA WINNER
Deloitte.

no. 9


PIXII
ÅRETS GASELLE
FREMGANGSRIKE – DN GASELLE – LANDETS BEST
Gull-
Gasellen
2024
Dagens Næringsliv

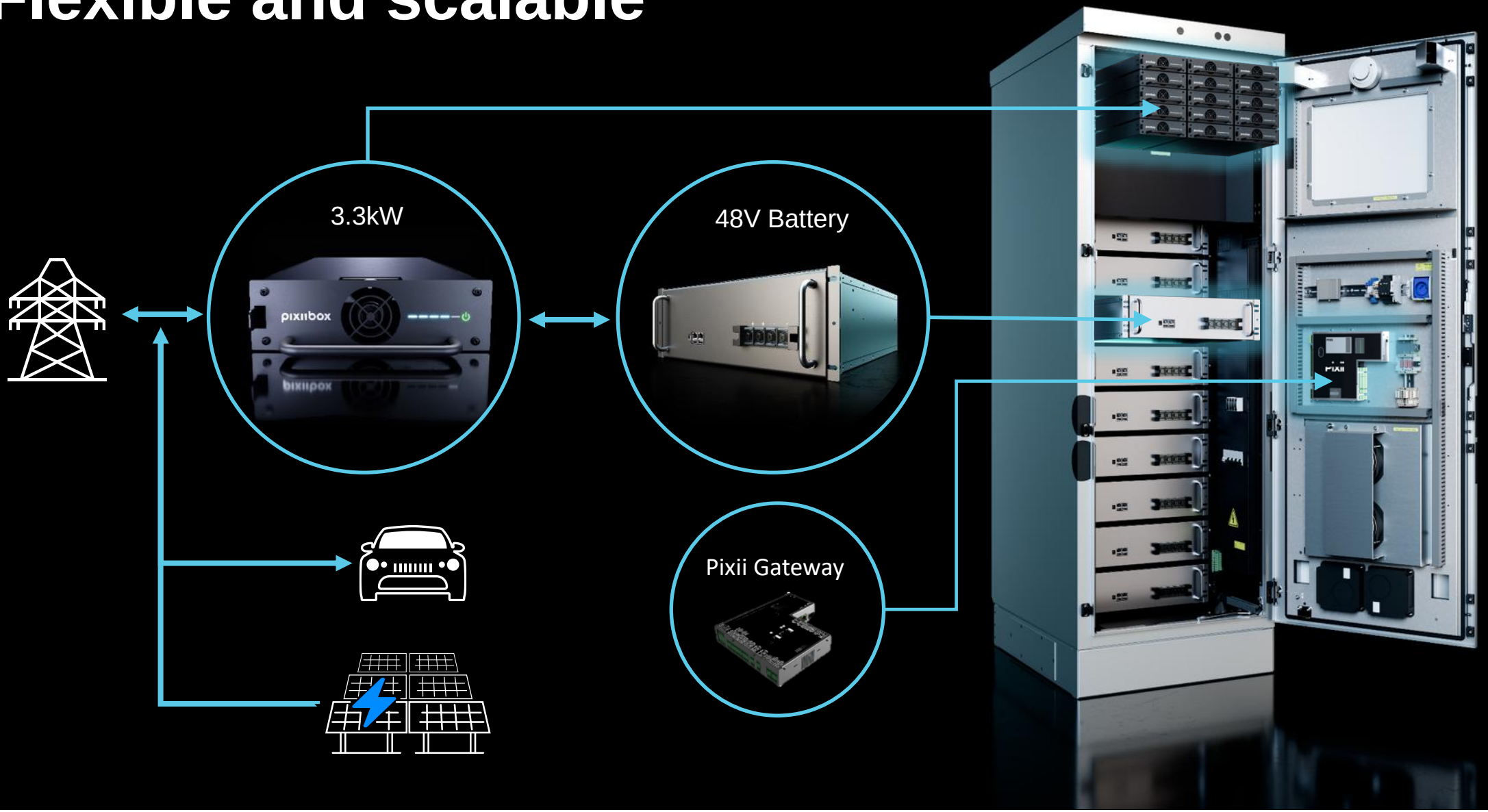
tech

SOFTWARE DEFINED PRODUCTS

One hardware – many products

MODULAR ENERGY STORAGE

Flexible and scalable



PRODUCTS

Modular

MODULAR ENERGY STORAGE

One core module - wide range of products

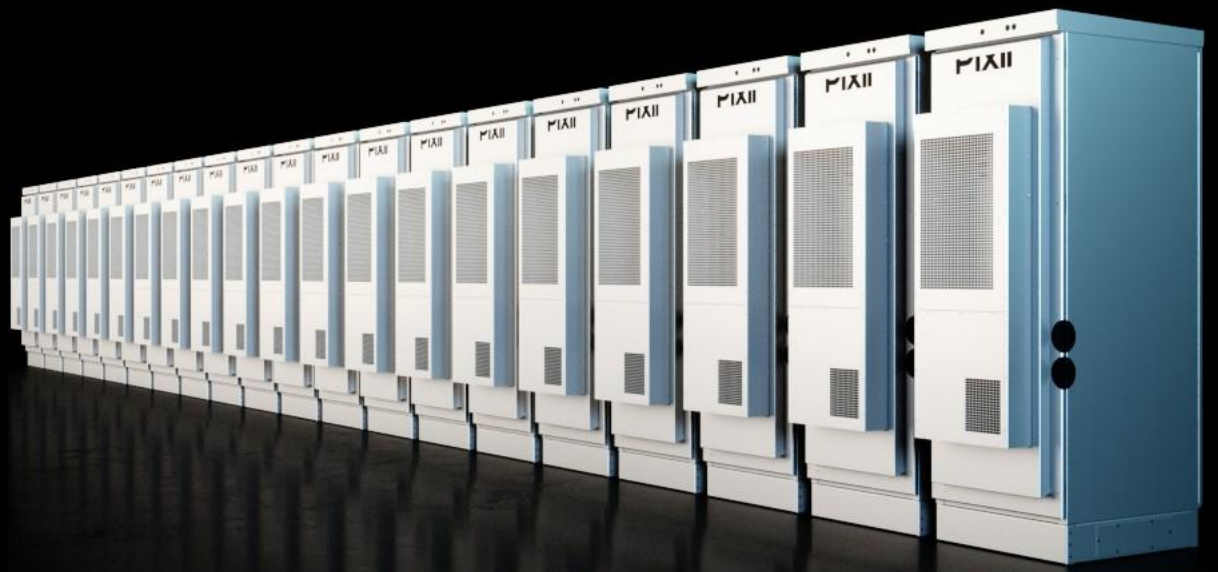
PRODUCTS

PixiiMultiCabinet

Electrify your business with a future proof battery energy storage system that allows you to scale seamlessly as you grow.

Output power:

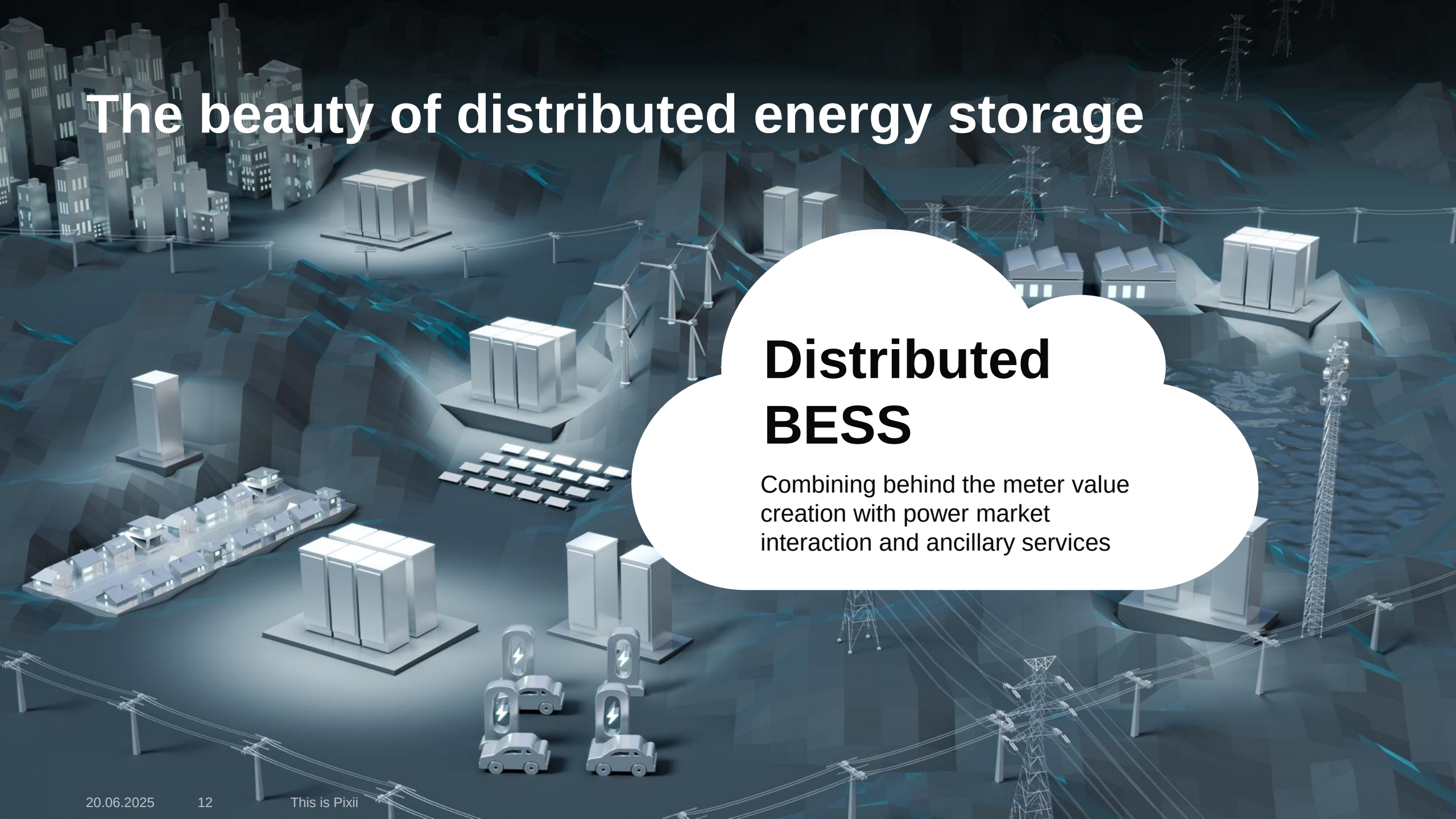
1 160 kW



Key features

- Scalable up to 1 MW and beyond
- “Leader/follower” configuration
- Separate master Gateway for large systems
- Simple and flexible installation
- Fast response
- 48V battery voltage for ease of service

The beauty of distributed energy storage

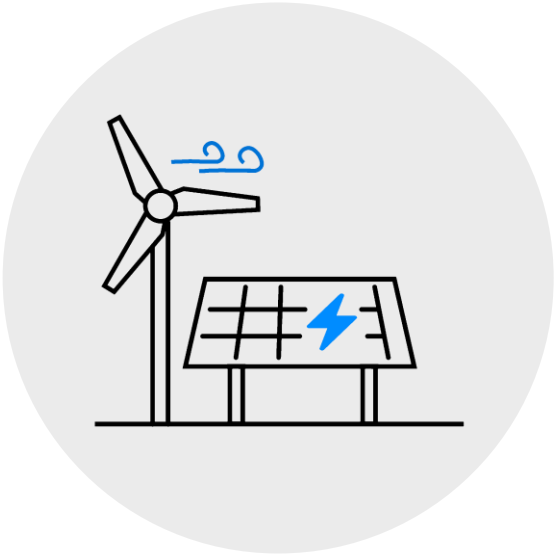


Distributed BESS

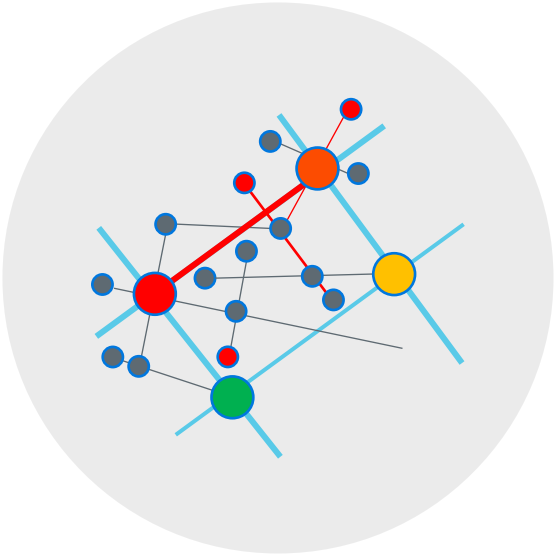
Combining behind the meter value creation with power market interaction and ancillary services

The Power System: Increasing Flexibility Needs

System Stability



Energy Utilization



Grid Utilization

System Stability

Sjusjøen

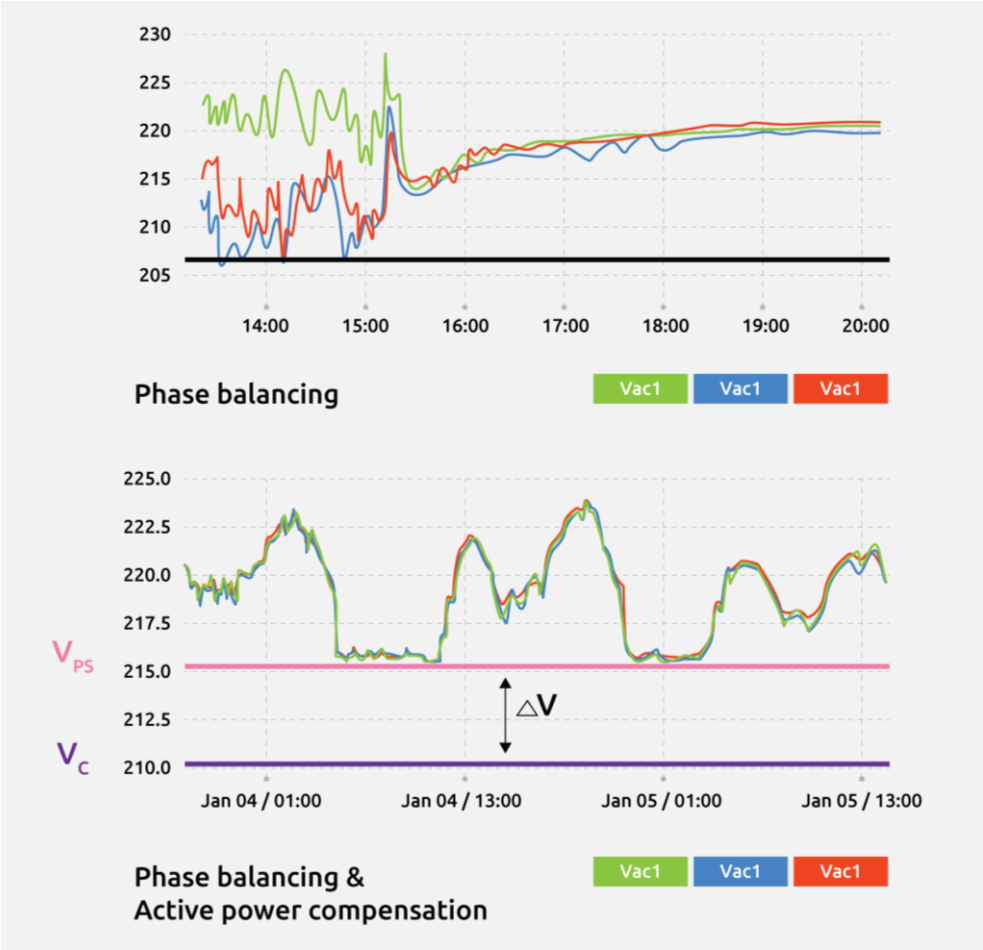
Elvia's grid at Sjusjøen was challenged by new loads such as electric vehicle chargers, which cause voltage imbalances.

Solution

- Elvia installed a battery system operating in phase balancing mode and voltage support.

Result and Value

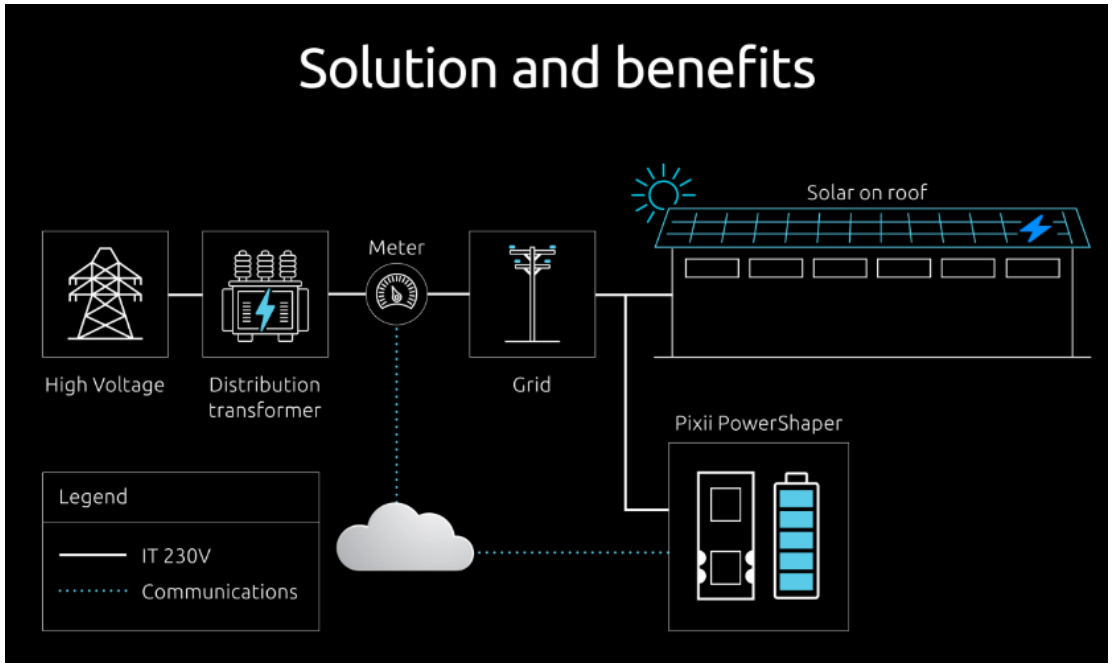
- A flexible and cost-effective solution that resolves the issue of phase imbalance.



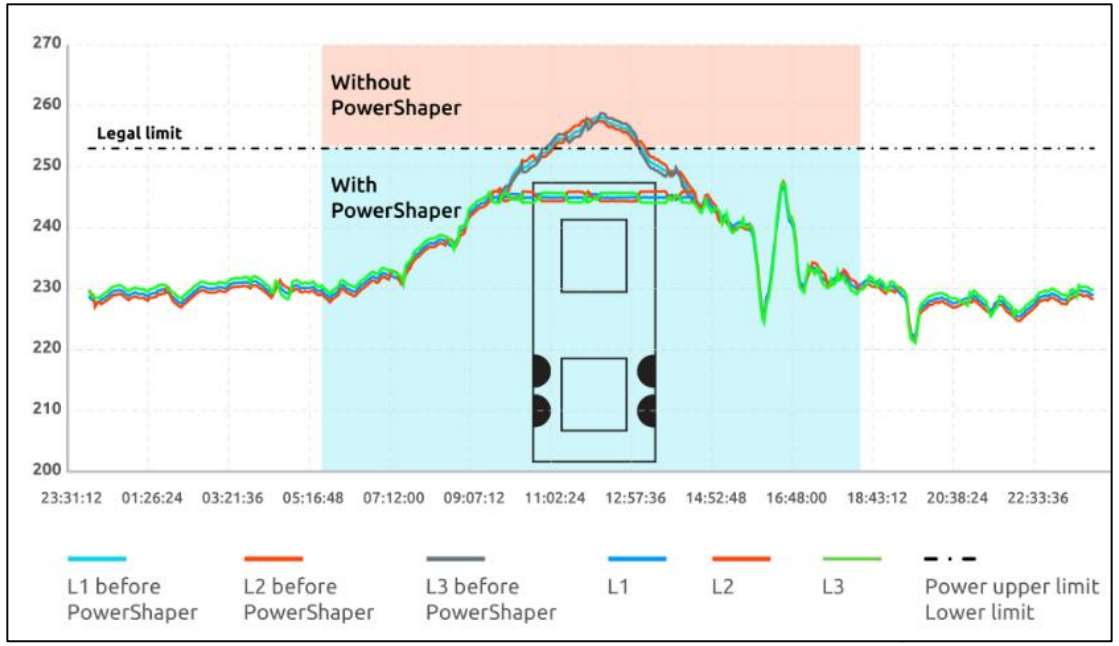
[Moving mountains – smart electricity for snowy Sjusjøen]

LEDE: Batteries for Voltage Support

- Battery system limits high voltages on a farm with PV (solar panels)
- → Utilizes the existing grid more efficiently
- → Can also provide future revenue streams

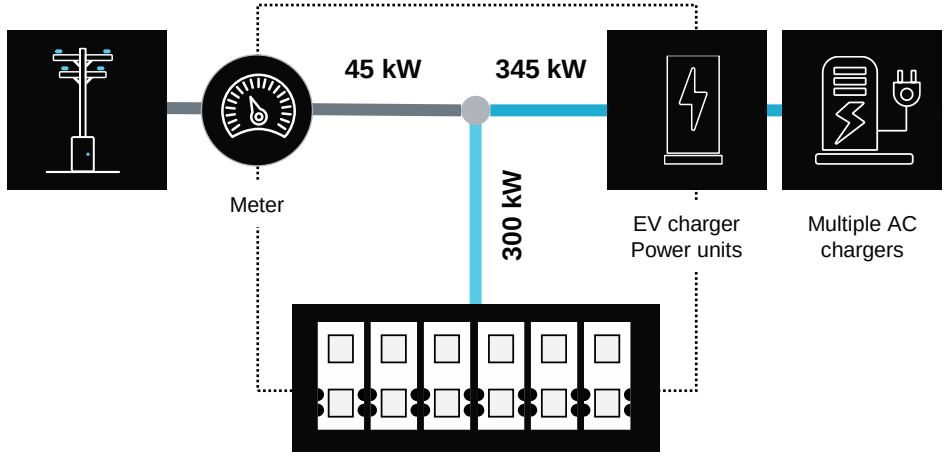


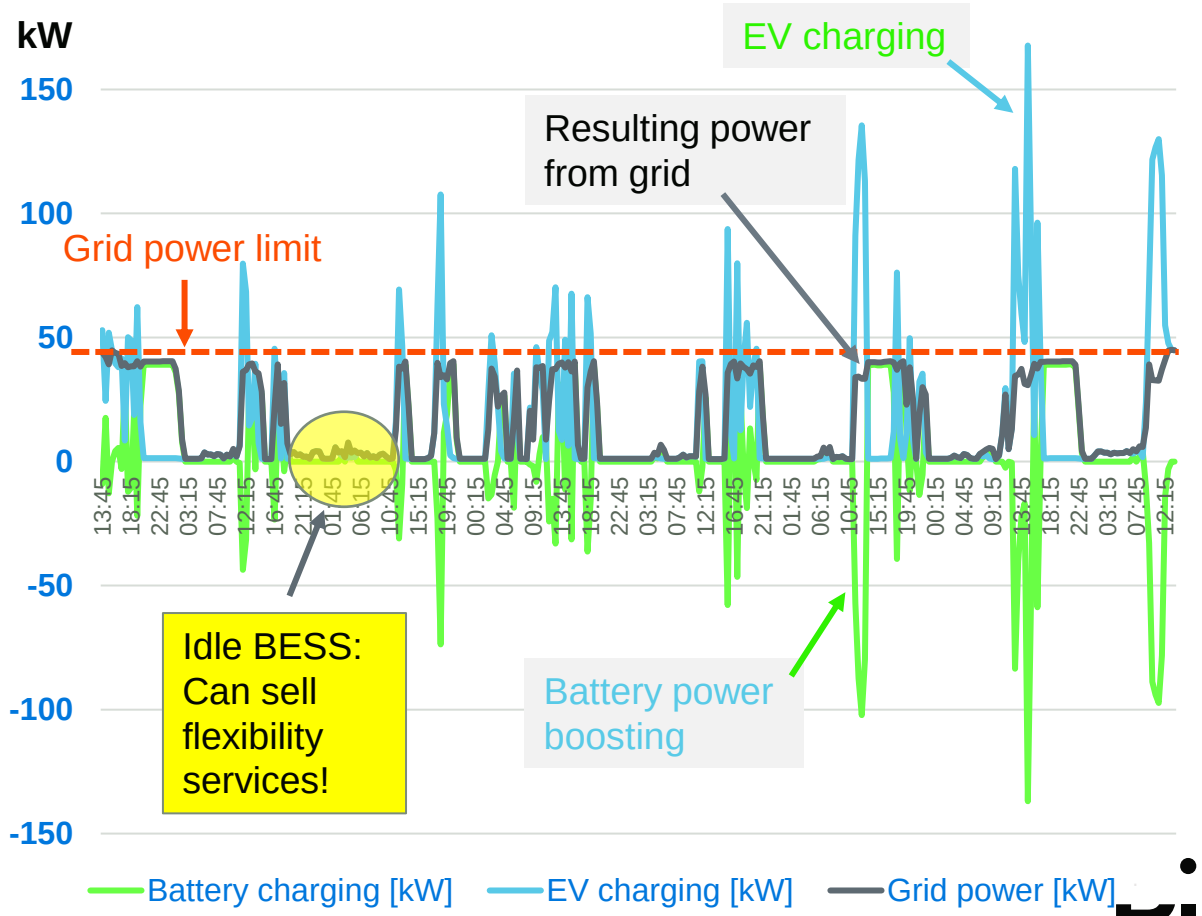
https://youtu.be/CJulDeZRIR8



https://www.pixii.com/case-studies/cultivating-currents-lede-dso-sows-seeds-of-solar-success-with-pixii/

Pixii BESS boosts EV charging power capacity beyond grid capacity





Dynamic value stacking

Generate income

Sell grid support services

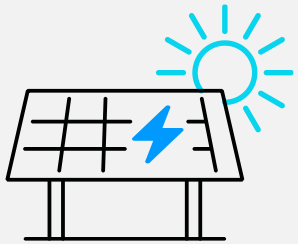
Support your local grid, through ancillary services:

- Frequency markets like FCR, FFR and FCAS.
- Voltage support
- Local flexibility markets

Sell your surplus Energy and trade stored energy

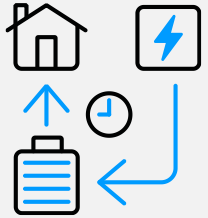
- Make money by selling your excess solar energy back to the grid.
- Trade stored energy in bulk to balance supply and demand.

Save money



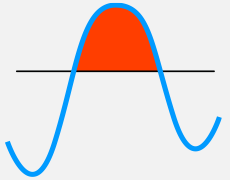
PV self-consumption

Store energy from the sun for self-consumption with free, clean, renewable energy throughout the day.



Arbitrage

Store energy from the grid when its cheap to use when electricity cost is high.



Peak shaving / Power boost

- Cut service fees to grid supplier by shaving off the peaks of your consumption.
- Power boost: Handle short-term spikes in demand without overloading the grid


PIXII
Energy storage


• High potential sector
• Innovation Race
• Global Sourcing

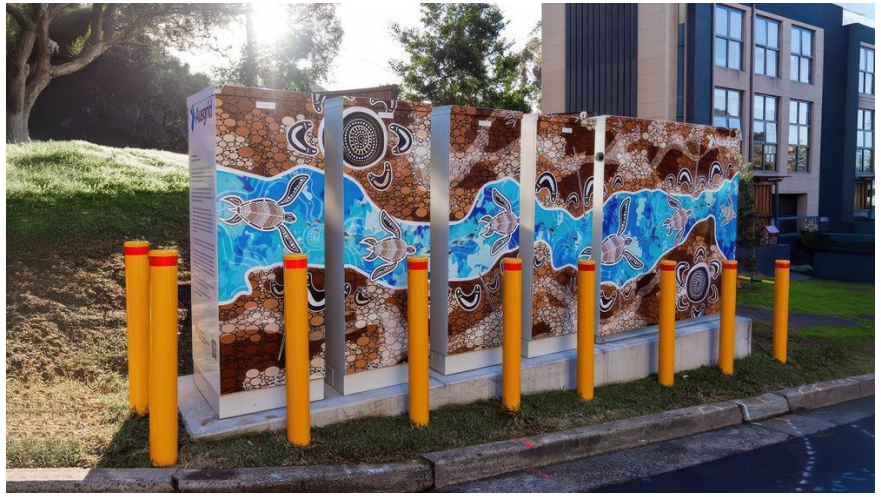
Case studies

Pure power – wastewater treatment + solar + storage
Hünfeld, Germany – DSO/DNSP
PowerBase XL (540 kW/1.39 MWh) stores solar energy to power wastewater treatments at night.
https://www.pixii.com/case-studies/pure-power-pixii-maximizes-solar-energy-for-smarter-wastewater-treatment/

Innovating the future of EV charging
Norway (Circle K + Elywhere) – EV Charging 60-70 cars daily
300 kW system for smart EV charging, peak shaving, power boost and arbitrage.
https://www.pixii.com/case-studies/innovating-the-future-of-ev-charging/

Charging ahead – e-truck solution
Venlo, Netherlands – EV Charging
520 kW / 1.1 MWh BESS supporting 4×400 kW chargers for fast e-truck turnarounds.
https://www.pixii.com/case-studies/charging-ahead-milence-and-pixiis-solution-for-e-truck-charging/

Supercharging progress – scalable EV charging
TSG + Pixii – EV Charging
150 kW / 150 kWh modular BESS demonstrated for grid capacity boost.
https://www.pixii.com/case-studies/supercharging-progress-tsg-partners-with-pixii-for-scalable-ev-charging-solutions/



Making waves – Bondi Beach community battery
Bondi Beach, Australia – Community
160 kW / 496 kWh Community BESS stores local solar energy, stabilizes grid & supports EV charging.
https://www.pixii.com/case-studies/making-waves-bondi-beach-powers-ahead-with-pixiis-community-battery/

Revolutionizing energy management - Meny Revetal
Norway– Commercial and Industrial
00 kWp solar PV + Pixii PowerShaper BESS (1 MW/1 MWh) solar storage, peak shaving, grid support, and participation in frequency reserve markets.
https://www.pixii.com/case-studies/revolutionizing-energy-management-meny-revetals-journey-to-sustainable-power/

ENGIE Slovakia – From Grid Strain to Energy Gain
Veľká Ida, Slovakia – Commercial & Grid Service
1.25 MW modular BESS provides Frequency Control Reserve (FCR), responding within 30 s via 110 kV substation
https://www.pixii.com/case-studies/from-grid-strain-to-energy-gain-how-engie-is-powering-slovakias-clean-energy-with-pixii/

Leading the charge – Greenbat energy storage
Slovakia – C&I / Grid services
First primary-frequency-regulation certified BESS in V4; 5.15 MW / 5.1 MWh.
https://www.pixii.com/case-studies/leading-the-charge-how-greenbat-and-pixii-revolutionized-energy-storage-in-slovakia/

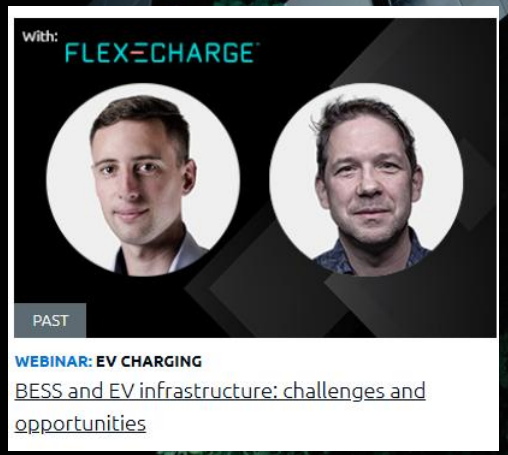
Our webinar series details how you can use the Pixii BESS to make your case profitable

WEBINAR: DSO/DNSP
Unleashing the Potential of BESS in Power Balancing Markets with Flextools

https://www.pixii.com/event/unleashing-the-potential-of-bess-in-power-balancing-markets/

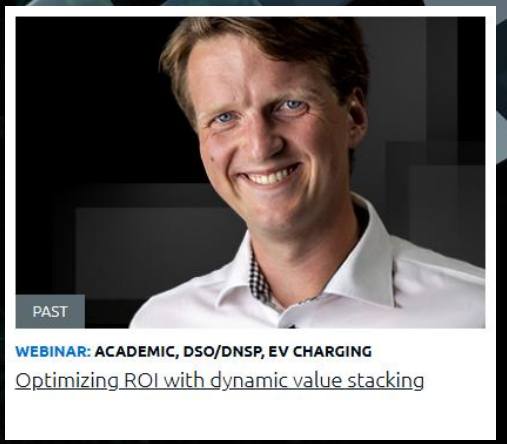
WEBINAR: COMMERCIAL AND INDUSTRIAL
BESS Value Stacking: maximizing ROI in C&I sector with TGN Energy

https://www.pixii.com/event/bess-value-stacking-maximizing-roi-in-ci-sector/



WEBINAR: EV CHARGING
BESS and EV infrastructure: challenges and opportunities

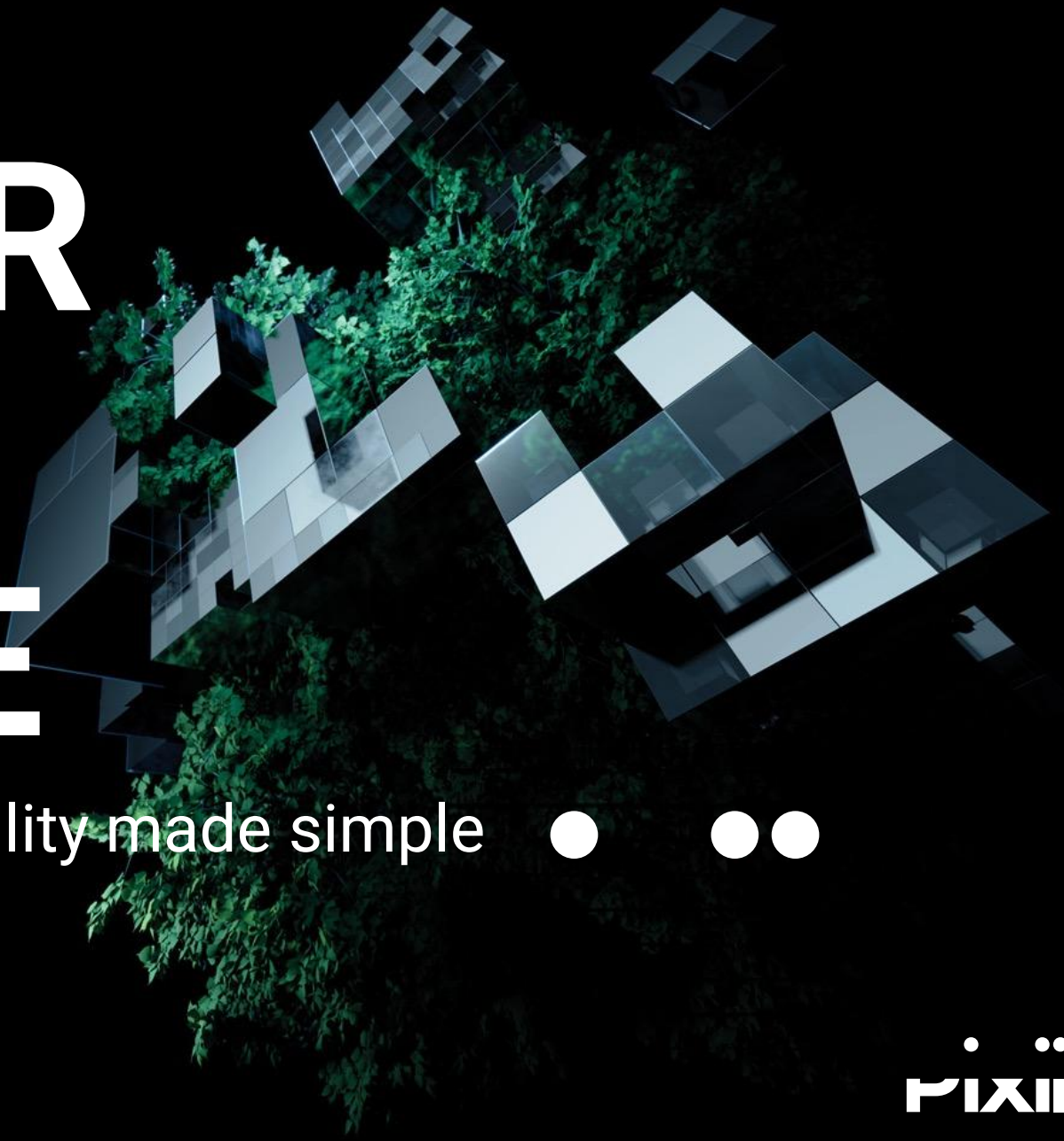
https://www.pixii.com/event/bess-and-ev-infrastructure-challenges-and-opportunities/



WEBINAR: ACADEMIC, DSO/DNSP, EV CHARGING
Optimizing ROI with dynamic value stacking

https://www.pixii.com/event/optimizing-roi-with-dynamic-value-stacking/

MODULAR ENERGY STORAGE



Flexibility made simple