

iNOVAT

energy storage solutions



About Us

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Established - 2021

iNOVAT is Türkiye's leading energy storage systems manufacturer and the first turnkey exporter with a 1GWh production capacity.

- First commissioned project: 2.25 MWh ESS in Ukraine
- Türkiye's first Energy Storage System Installations in Eskişehir, İstanbul, Denizli
- Türkiye's first turnkey Energy Storage System export: 2.4 MWh BESS to Hungary
- Development of Türkiye's first Energy Management System – PowerKonnekt

- PowerKonnekt – Implementation of Ancillary Services and Market Integration
- Türkiye's first R&D project for a Hydrogen Energy Storage System
- 1GWh Production Capacity
- Off-grid carbon-neutral production facility



Board of Directors



PowerKonnekt

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Doğa Can Bayram
Chairman of the Board / CEO

After completing his undergraduate degree in Electrical and Electronics Engineering, and his Master's in Energy Engineering along with an Executive MBA program, Doğa Can Bayram has held senior roles in sales, engineering, and R&D management in the energy sector. He has extensive experience in energy systems, data centers, and renewable energy projects. As a founder and executive, he actively shapes business and technology strategies and leads the company's sustainable growth by building a strong bridge between management and technical excellence.



Volkan Savcıözen,
Board Member / CFO

Volkan Savcıözen graduated from the Department of Statistics at METU. In 2014, he completed the Executive MBA program at Bilkent University and also earned a certificate in Global Competitive Strategy from the University of Michigan – Ross School of Business. Since 2001, he has worked as a corporate banking manager in national and international banks. Since 2016, he has taken on senior executive roles in the real sector. He joined iNOVAT in 2023 and contributes to the board in areas of financial management, strategic planning, and corporate growth.



Mario Dalsarfati
Board Member / Partner

A graduate of Koç University's Business Administration Department, Mario Dalsarfati began his professional career in production and export sectors, later assuming executive roles in energy and infrastructure industries. Between 2010–2021, he served as Operations and Business Development Director at an energy company, leading strategic investment projects and international growth initiatives. Since 2021, he has served as CEO and Managing Partner of Taliva Energy (SolarToday Türkiye and Eastern Europe). He is also a founding partner of SolarSarj, established in 2022. Dalsarfati contributes to the board in areas such as market development, financial management, and strategic planning.

Organization Chart



Sefa Keleş
Director of Software

Sefa Keleş is the Director of Software Engineering at iNOVAT, bringing a strong blend of engineering expertise and entrepreneurial experience. He holds a degree in Electrical and Electronics Engineering from Başkent University and began his career in the energy sector, gaining hands-on experience with industrial systems at a coal power plant. He later transitioned into software development and went on to establish his own company focused on OEM product manufacturing, where he led both electronic circuit design and software development projects. His diverse background across industrial operations, software engineering, and business leadership enables him to deliver end-to-end technology solutions and effectively bridge technical execution with strategic goals at iNOVAT.



Murat Karaca
Director of Business Development- Türkiye

With over 15 years of experience in the energy and FMCG sectors, Murat Karaca has built expertise in contract management, business development, and sales. Before joining iNOVAT as Director of Business Development, he served as Business Development and Contracts Manager in the energy sector, leading cross-functional initiatives in asset management and performance optimization. He has successfully managed teams, improved operational efficiency, and driven strategic projects through effective planning and negotiation. Earlier in his career, he held sales roles in the energy, beverage, and fast-moving consumer goods sectors, gaining broad experience across diverse market segments. Murat holds an Executive MBA from Bilkent University and completed the Global Strategy program at the University of Michigan's Ross School of Business.



Barış Zorcan
Director of Engineering

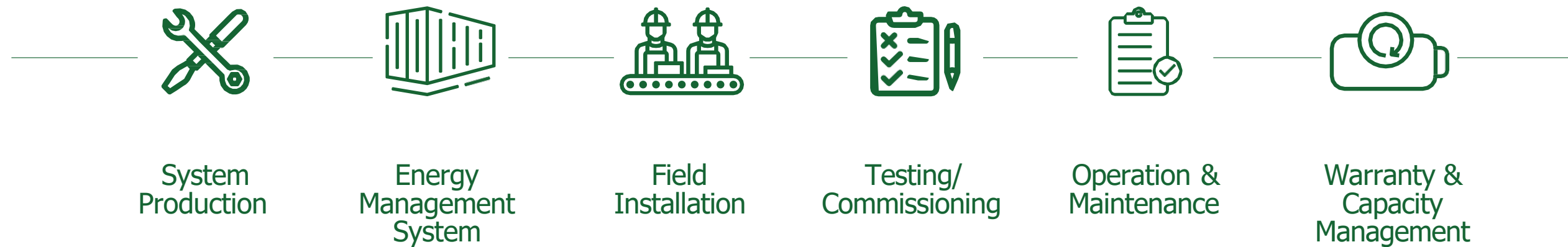
Barış Zorcan holds a Bachelor's degree in Electrical and Electronics Engineering from Başkent University and is currently pursuing a Master's in Power Electronics at METU. With over 18 years of experience, he has led electrical design and engineering teams in complex industrial, healthcare, energy, and infrastructure projects across Turkey and Europe. He has held senior roles in construction and engineering firms and multinational project management companies, and currently serves as Director of Engineering at iNOVAT, where he is responsible for the technical design, integration, and implementation of battery energy storage systems and MV infrastructure. His expertise includes low and medium voltage systems, renewable energy integration, power system design, and multi-disciplinary project coordination.



Şafak Bildirici
Director of Business Development- Europe

Şafak Bildirici holds an MBA from Politecnico di Milano and a BA in Industrial Engineering from Bilkent University and is certified in sustainability strategy and implementation by IMD and Cambridge. Previously, Şafak held regional project leadership roles at a global consumer goods company, managing all major product launches as well as contributing to two Europe-wide organizational restructuring programs. He led complex, multi-disciplinary initiative executions in strategy, marketing, and sales in alignment with long-term corporate sustainability and growth goals. He joined iNOVAT in 2024 and spearheads the project management as well as key account management of the European BESS project pipeline.

From Cell to Market: iNOVAT Value Chain



Production

Grid-Scale Energy Storage Systems

Custom Design Solutions:

Container-based systems developed with CATL, LG, and Samsung modules, tailored to project requirements and climate conditions. These systems are locally manufactured and offered as turnkey solutions.

Commercial and Industrial Applications

UPS Featured Energy Storage Systems:

Locally produced energy storage systems designed specifically for factories and industrial facilities.

Charging Station Solutions

Plug and Play Solutions:

Integrated systems that increase charging capacity in stations with low connection power, including energy management software.

MV Skid Solutions

Customized and Brand-Agnostic:

Tailor-made MV Skid systems designed to adapt to different project needs, complementing all types of DC systems.

PowerKonnekt Energy Management System

Engineering, Procurement and Construction



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Engineering

- Site surveys and feasibility studies
- System design: AC & DC architecture, configuration, capacity optimization
- Climate- and application-specific container solutions
- Network connectivity and SCADA/EMS integration
- Fire safety and cybersecurity solutions

Procurement

- Module selection: Cell procurement from global suppliers like CATL, LG, and Samsung
- PCS (Power Conversion System) procurement
- Auxiliary systems such as BMS, HVAC, and fire suppression
- Locally manufactured container systems and turnkey solution packages

Construction

- Site construction and infrastructure installation
- Electrical installations (AC & DC)
- Site testing and commissioning
- Management of provisional and final acceptance processes

SAMSUNG



CATL

JinKO^{ESS}



SINEXCEL

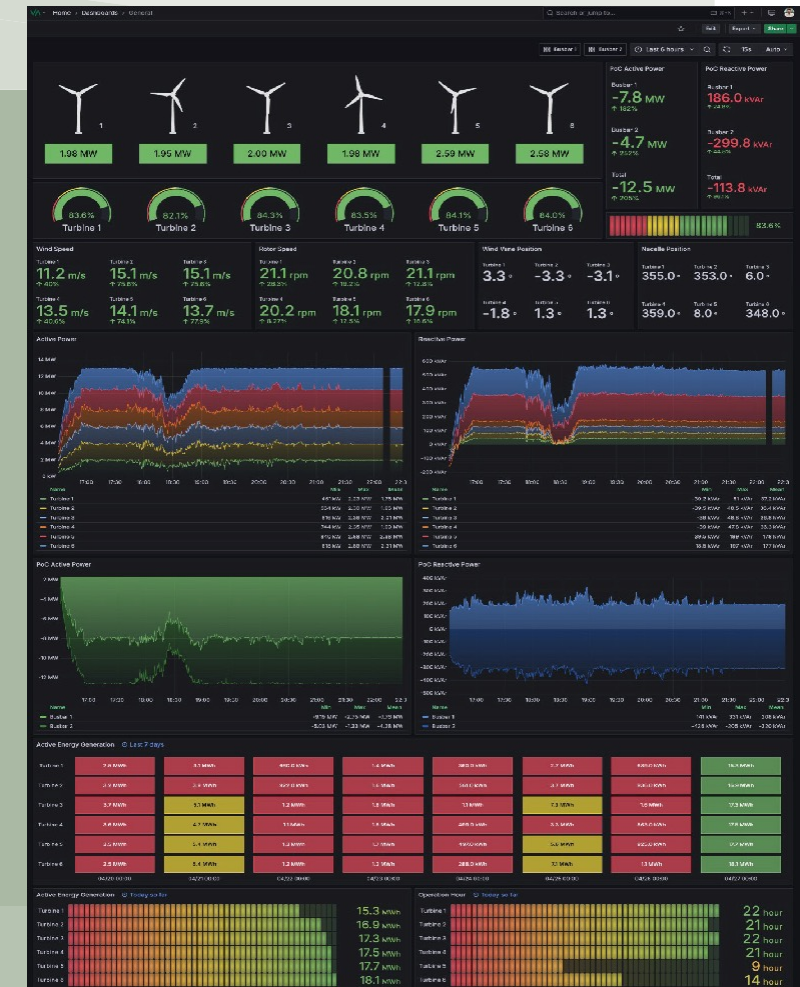
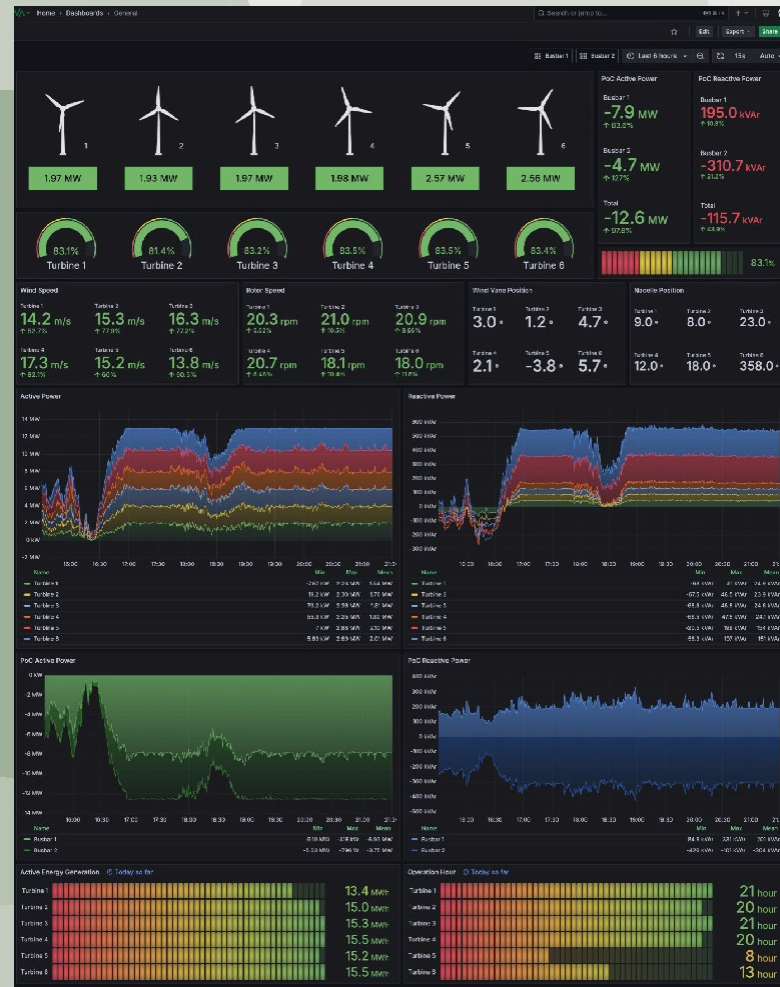
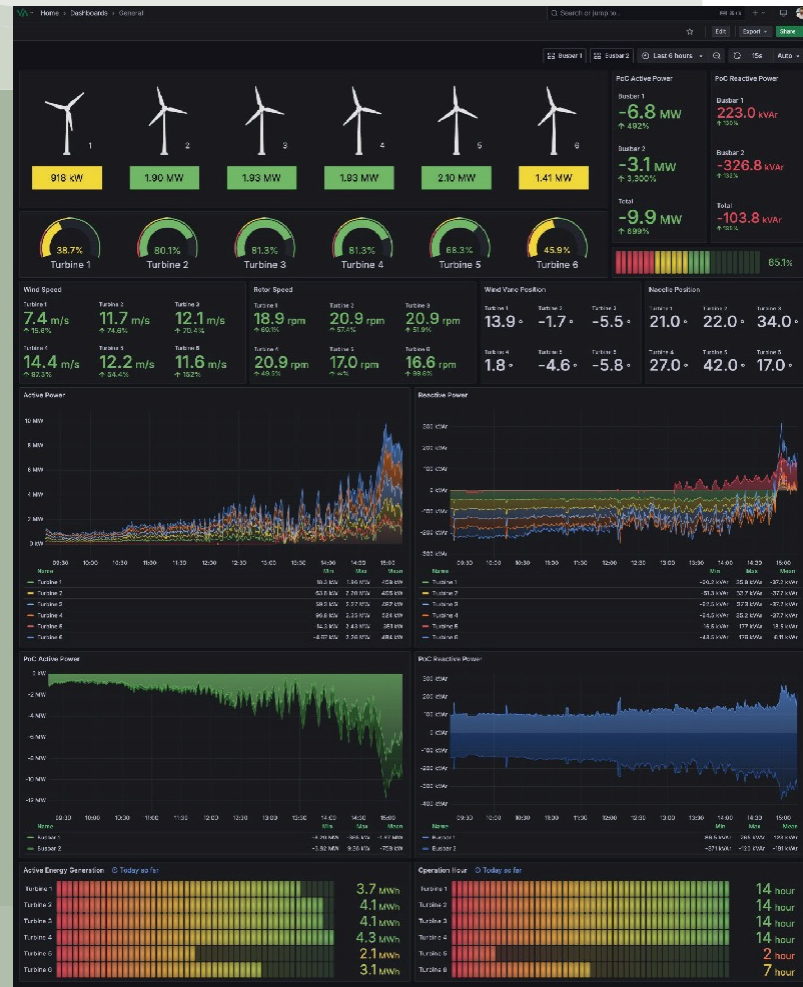
epcpower



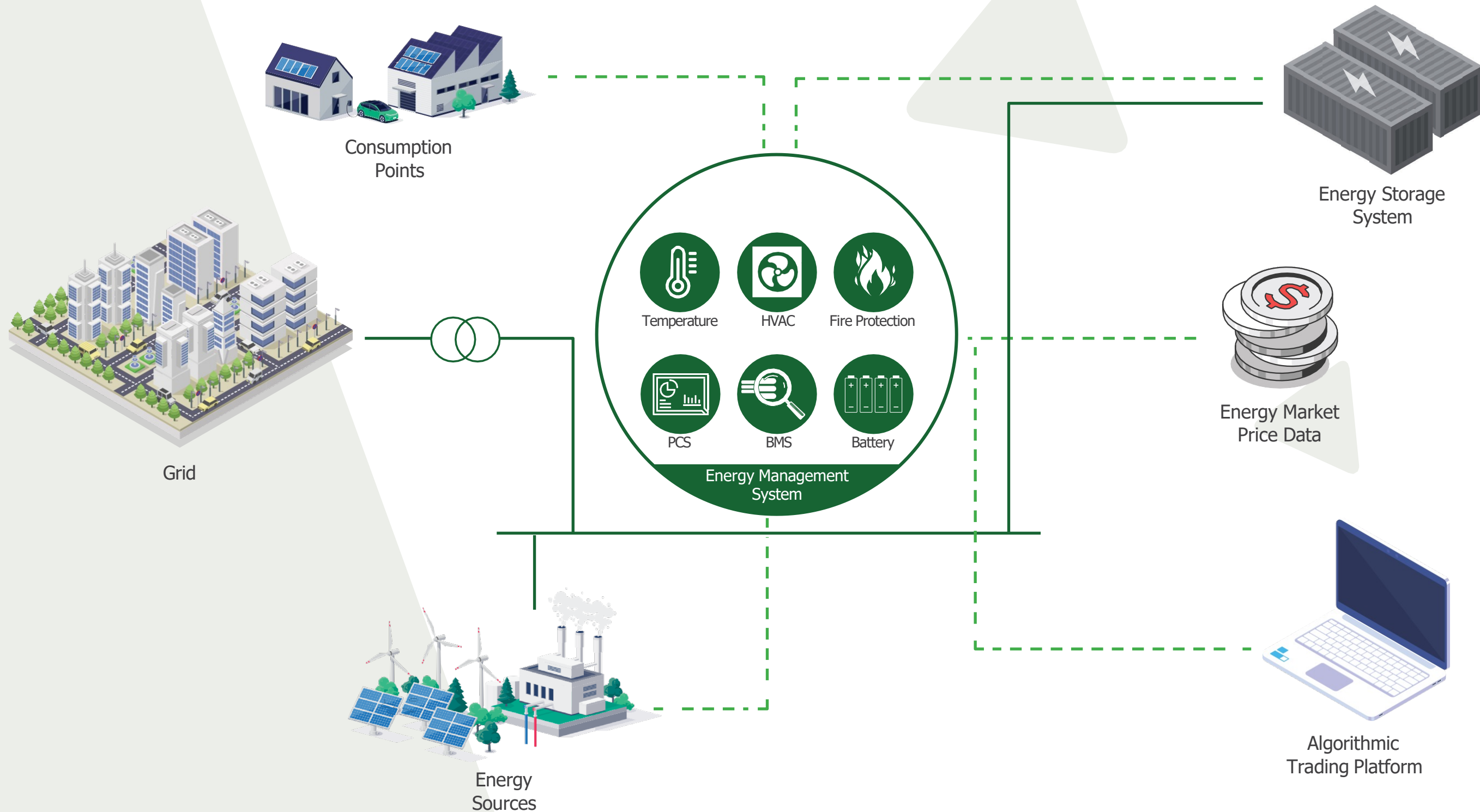
PowerKonnekt Energy Management System



PowerKonnekt Energy Management System



Architecture of PowerKonnekt Energy Management System



PowerKonnekt Energy Management System Capabilities

EDGE

- ✓ Local Monitoring
- ✓ Direct Charge / Discharge
- ✓ Scheduled Charge / Discharge
- ✓ Load Following
- ✓ Peak Limiting
- ✓ Battery Monitoring
- ✓ Voltage Regulation
- ✓ Power Factor Correction
- ✓ Reactive Support
- ✓ Advanced Monitoring
- ✓ SoH Tracking
- ✓ Microgrid
- ✓ Ancillary Services

Platform

- ✓ EDGE Functions
- ✓ Cloud Access
- ✓ Remote Monitoring and Control
- ✓ Advanced Data Analytics
- ✓ Advanced Alarm Management
- ✓ Automated Reporting
- ✓ Customizable Dashboards
- ✓ API Integration
- ✓ Automated Updates

Custom Functions

- ✓ Platform Functions ESS
- ✓ Fleet Management Virtual
- ✓ Power Plant
- ✓ Energy Market Integration
- ✓ Automated Trading
- ✓ EV Charge Network Optimization
- ✓ Generation Forecasting
- ✓ Energy Resource Integration
- ✓ Custom Development

-
- ✓ Standard Features
 - ✓ Advanced Features

Operation, Maintenance & Repair Services



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Remote Monitoring and Diagnostics

24/7 system monitoring, performance tracking, and fault detection

Preventive Maintenance Services

Periodic inspections, system health reporting, and component replacement recommendations

Fault Response and On-Site Service

Guaranteed response times under SLA; on-site technical support

Software Updates and Remote Access

EMS/SCADA/PCS software updates and cyber security measures

Warranty Management and Extended Warranty Packages

Warranty tracking for hardware and software; optional extended warranty coverage

Training and Technical Support

On-site or online training for operators and maintenance teams

Spare Parts Management and Logistics Support

Stock management for critical components; guaranteed fast delivery

References and Ongoing Projects

Ongoing Projects

Customer	Project Name	Supplier	MW	MWh	Location	Scope	Commissioning
Entek Elektrik	Büyük Kışla / WPP + BESS	CATL, Power Electronics	99,00	144,00	Ankara, Türkiye	EMS	2025
Meltem Enerji - Polat Enerji	Ege Res 1. / WPP + BESS	CATL Power Electronics	12,00	15,17	İzmir, Türkiye	Turnkey	2025
LTW	Czechia / Standalone BESS	LG	25,00	104,00	Czechia	Turnkey	2025-2026
Ataseven	Tozor / PV + BESS	CATL, Sinexcel	10,00	11,37	Kars, Türkiye	Turnkey	2026
Meltem Enerji - Polat Enerji	Ege Res 1. / WPP + BESS	CATL Power Electronics	9,87	11,38	İzmir, Türkiye	Turnkey	2026
Polat Enerji	EMS / Power Plant Controller	PowerKonnekt	100,00	113,00	Türkiye	EMS	2026
Solar Today	Gorj / MV Skid	Power Electronics	4,39	13,76	Gorj, Romania	Turnkey	2025
Solar Today	Germany / C&I	PowerKonnekt			Germany	EMS	2025

References

Customer	Project Name	Supplier	MW	MWh	Location	Scope	Commissioning
SolServices Kft. - Polat Enerji	Gyongyoshalasz - MV Skid	Jinko EPC Power	1.500	3.760	Budapeşte, Macaristan	Turnkey	2025
Profigram	Hungary BESS	Narada AEG PS	2.000	2.400	Budapeşte, Macaristan	Turnkey	2023
Yeşilirmak Elektrik	Samsun BESS	Samsung Indrivetec	1.050	686	Samsun, Türkiye	Transportation, Installation, Commissioning	2022
ADM Elektrik	Denizli 1 BESS	LG Sungrow	250	224	Denizli, Türkiye	Turnkey	2021
ADM Elektrik	Denizli 2 BESS	LG Sungrow	250	224	Denizli, Türkiye	Turnkey	2021
Boğaziçi Elektrik	İstanbul BESS	LG Sungrow	250	336	İstanbul, Türkiye	Turnkey	2021
Osmangazi Elektrik	Eskişehir BESS	LG Sungrow	1.200	336	Eskişehir, Türkiye	Turnkey	2021
Honeywell	Zaporijya BESS	Powin EPC Power	1.500	2.250	Zaporijya, Ukrayna	System Production	2020

International Collaborations

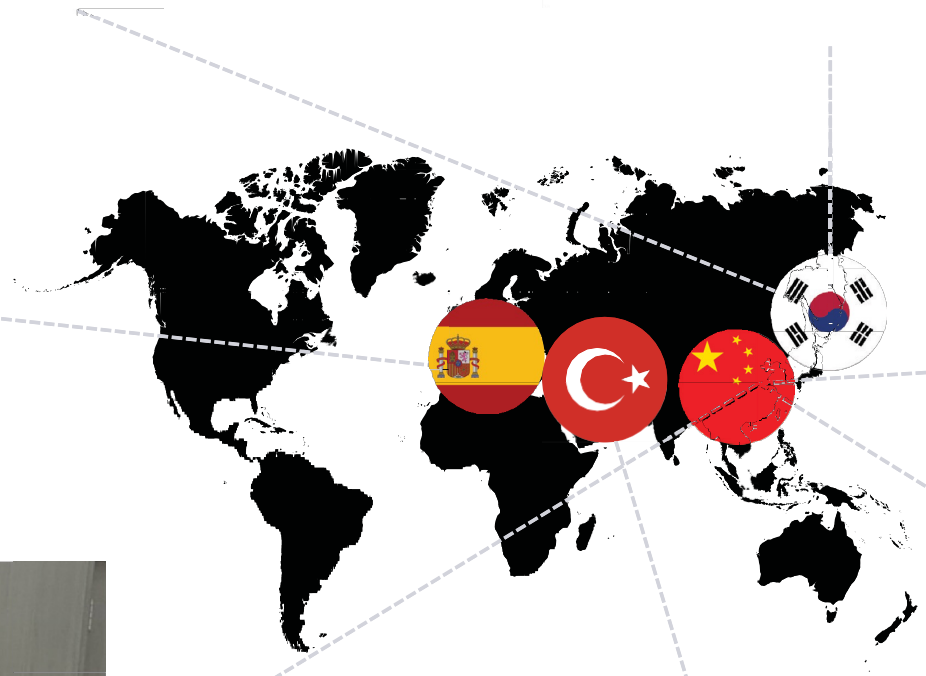
SAMSUNG

LG Energy Solution
ESS Battery Division

CATL

POWER ELECTRONICS

Jinko^{ESS}



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SINEXCEL

Ongoing Projects

Polat Energy	
Project	EGE Res
Scope	Turnkey
Application	Wind Power Plant
Size	12.000 kW / 15.170 kWh
Location	İzmir, Türkiye
Key Supplier	<ul style="list-style-type: none">• CATL• Power Electronics
Commissioning	2025



Case Study

Polat Energy	
Project	Gyongyoshalas
Scope	MV Scid
Application	Power Plant
Size	1.500 kW / 3.760 kWh
Location	Hungary
Key Suppliers	<ul style="list-style-type: none">• Jinko• EPC Power
Commissioning	2025



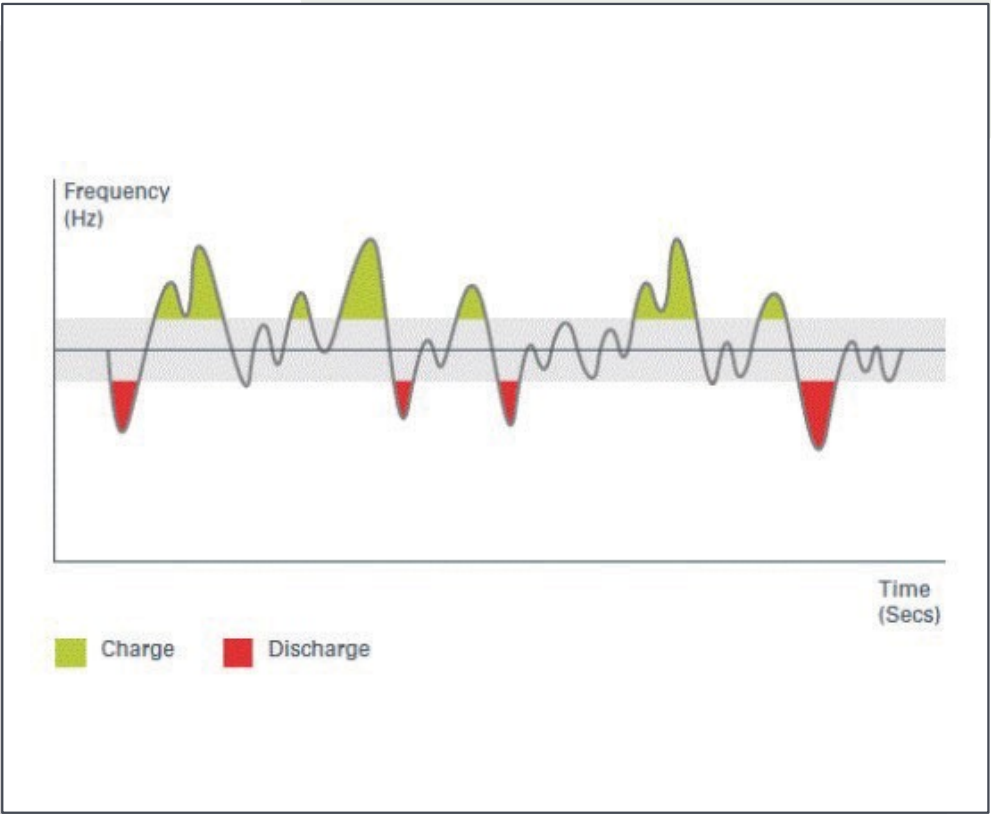
Case Study

LG Energy Storage	
Project	KEDEP
Scope	Scope: Turnkey customized BESS and EMS
Application	Peak Limiting / Investment Postponement
Size	1.950 kW / 1.120 kWh
Location	İstanbul, Eskişehir, Denizli
Key Suppliers	<ul style="list-style-type: none">• LG ES• Sungrow
Commissioning	2021



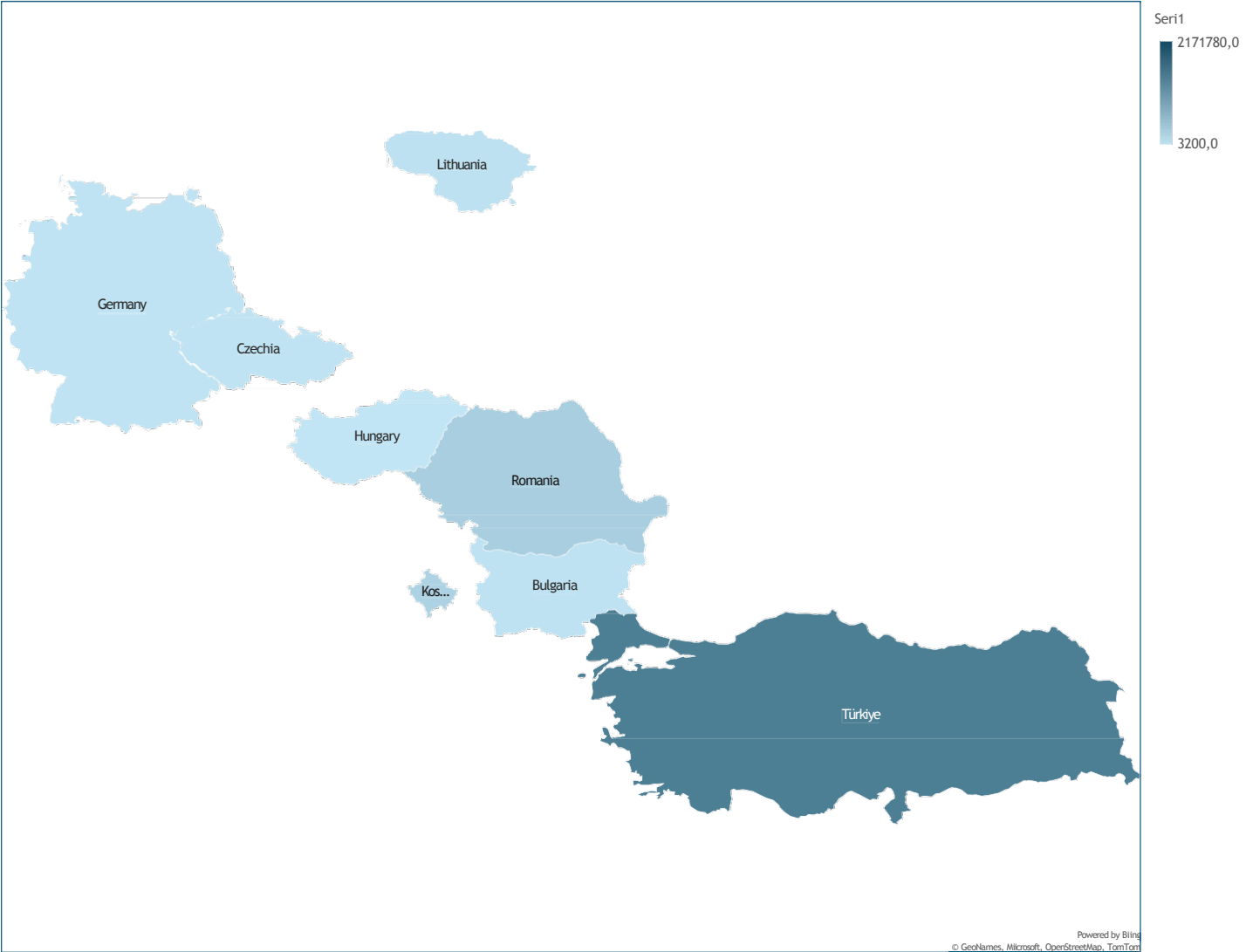
Case Study

Energiabörze	
Project	Hungary BESS
Scope	Turnkey
Application	Frequency Control
Size	2.000 kW / 2.400 kWh
Location	Hungary
Key Suppliers	<ul style="list-style-type: none">• Narada• AEG
Commissioning	2024

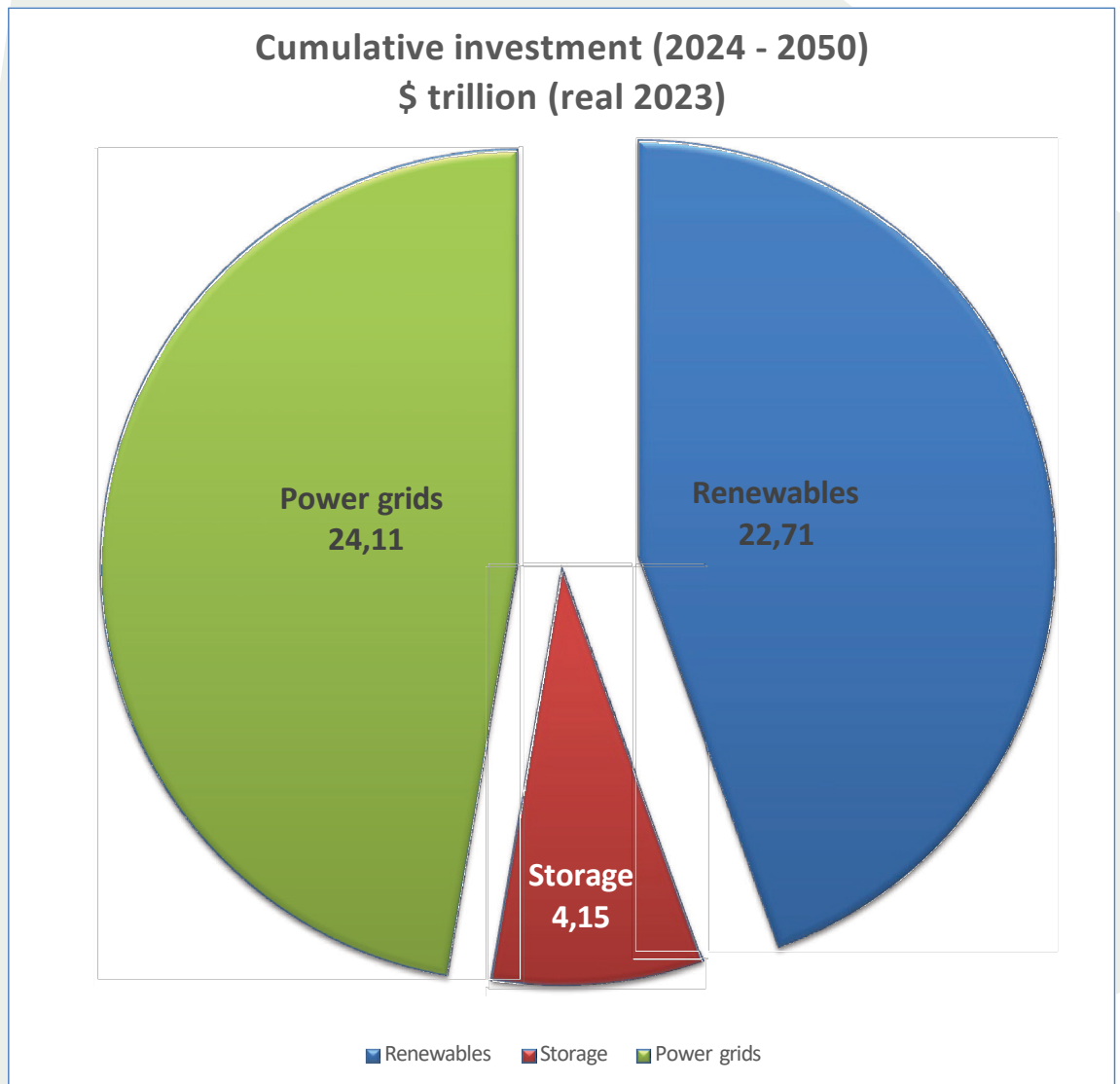
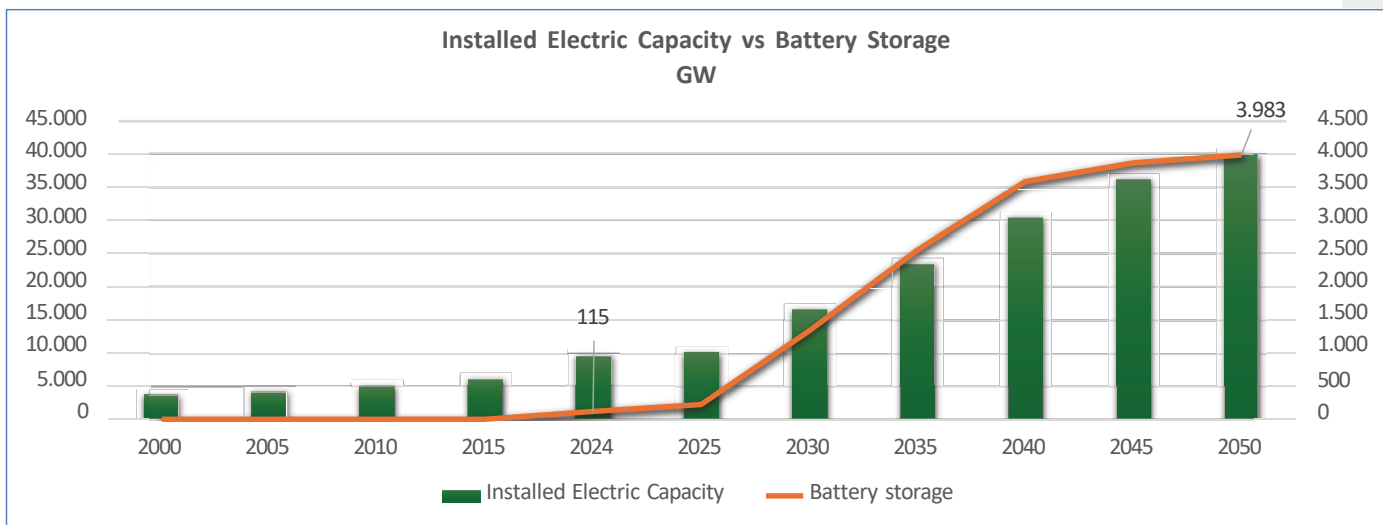
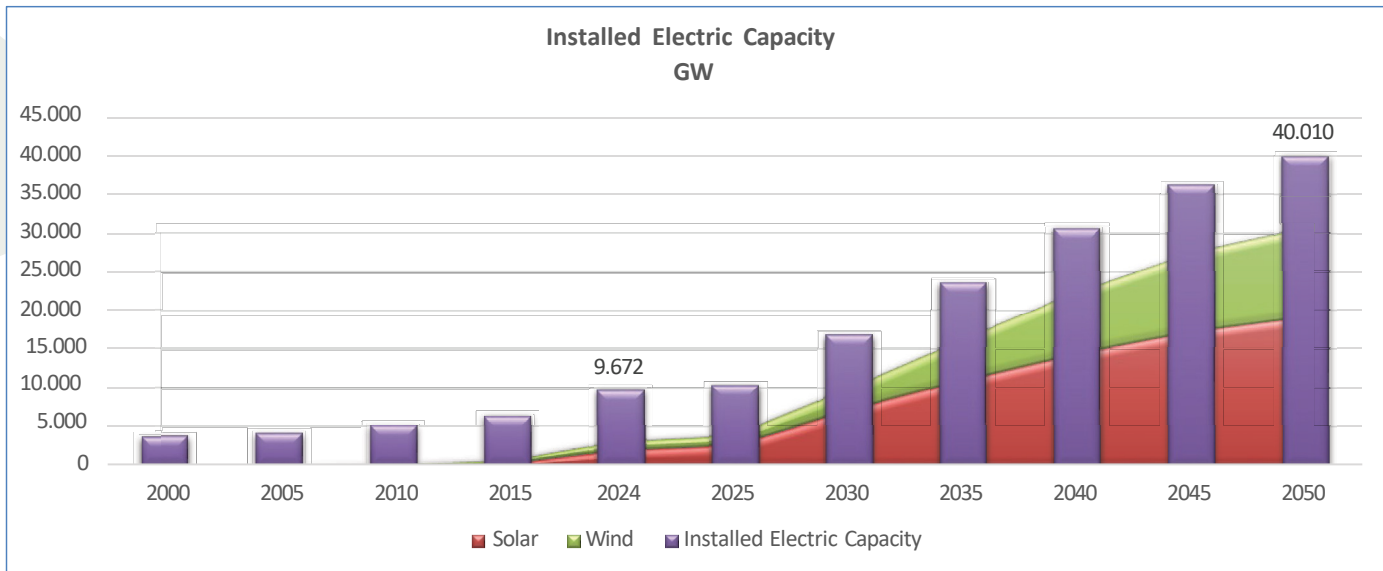


Following Projects (MWh)

Country	Pipeline (MWh)
Bulgaria	44,00
Czechia	22,80
Germany	20,00
Hungary	3,20
Kosovo	250,00
Latvia	15,00
Lithuania	60,00
Macedonia	8,80
Romania	313,00
Türkiye	1,434,98
Total	2,171,78

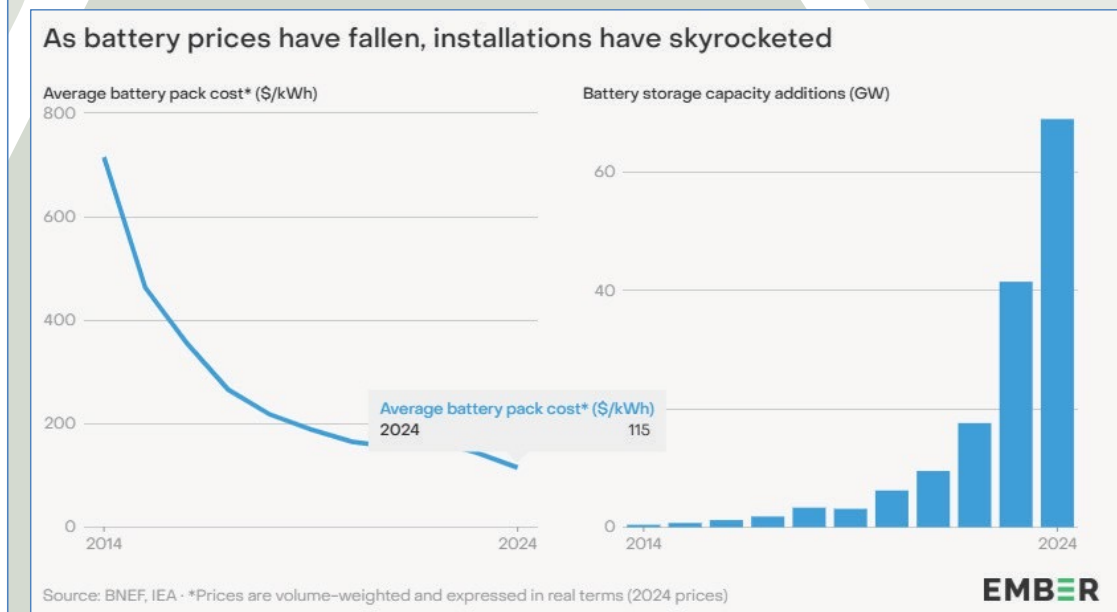
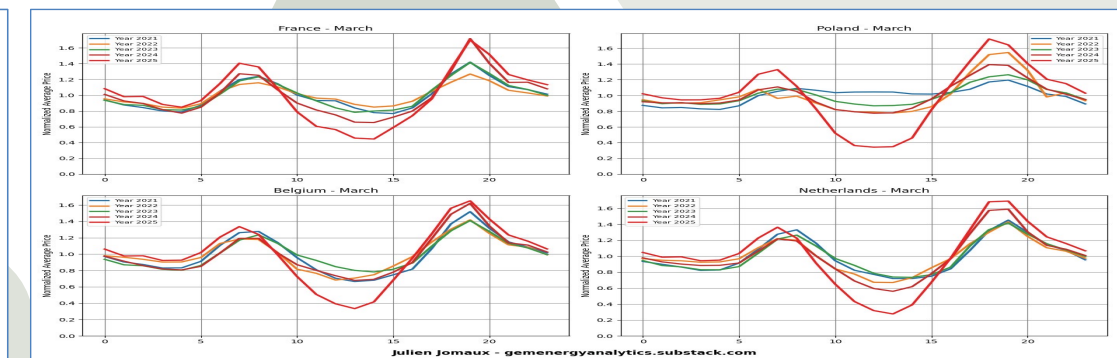
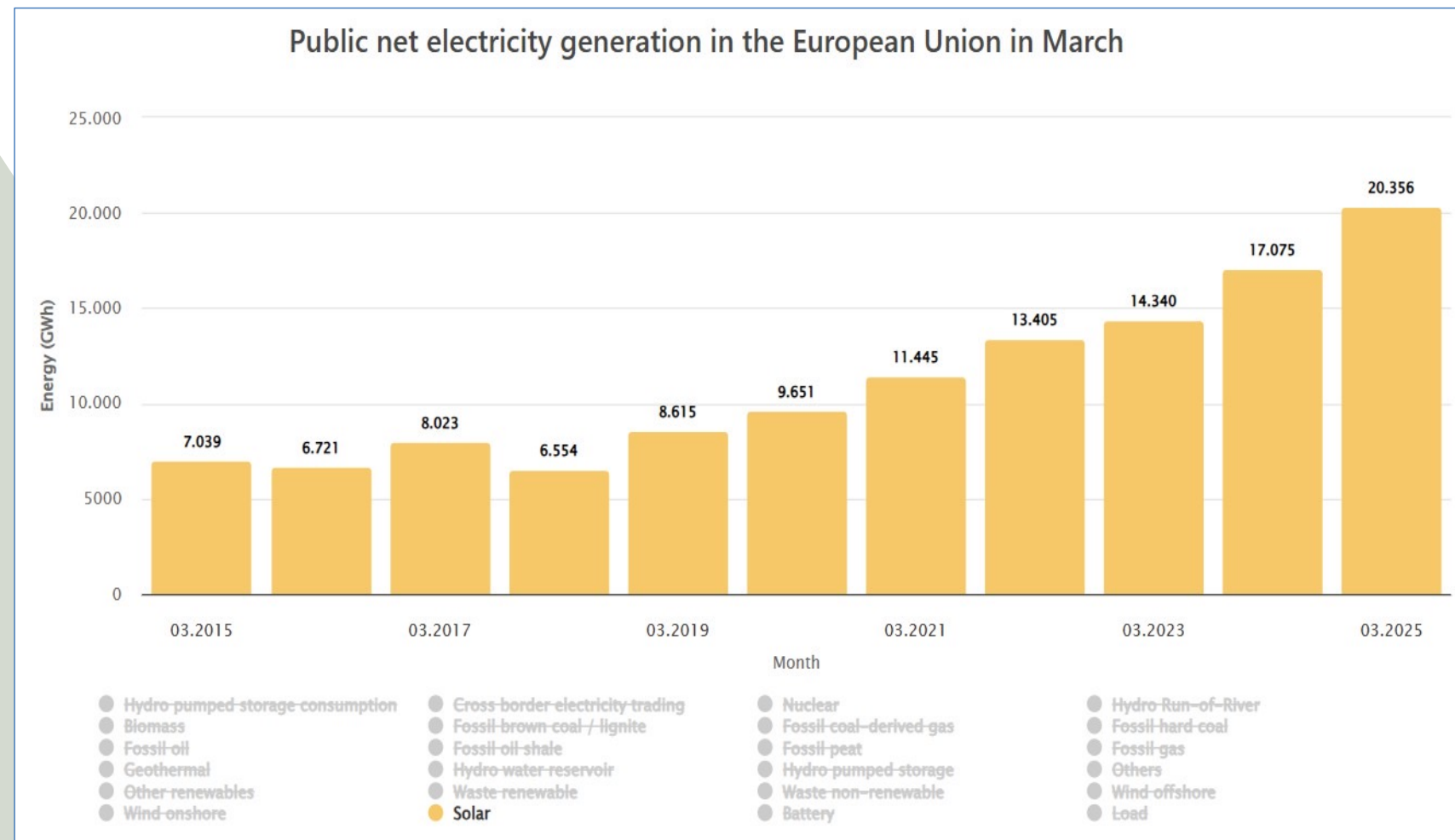


Market Development in the World



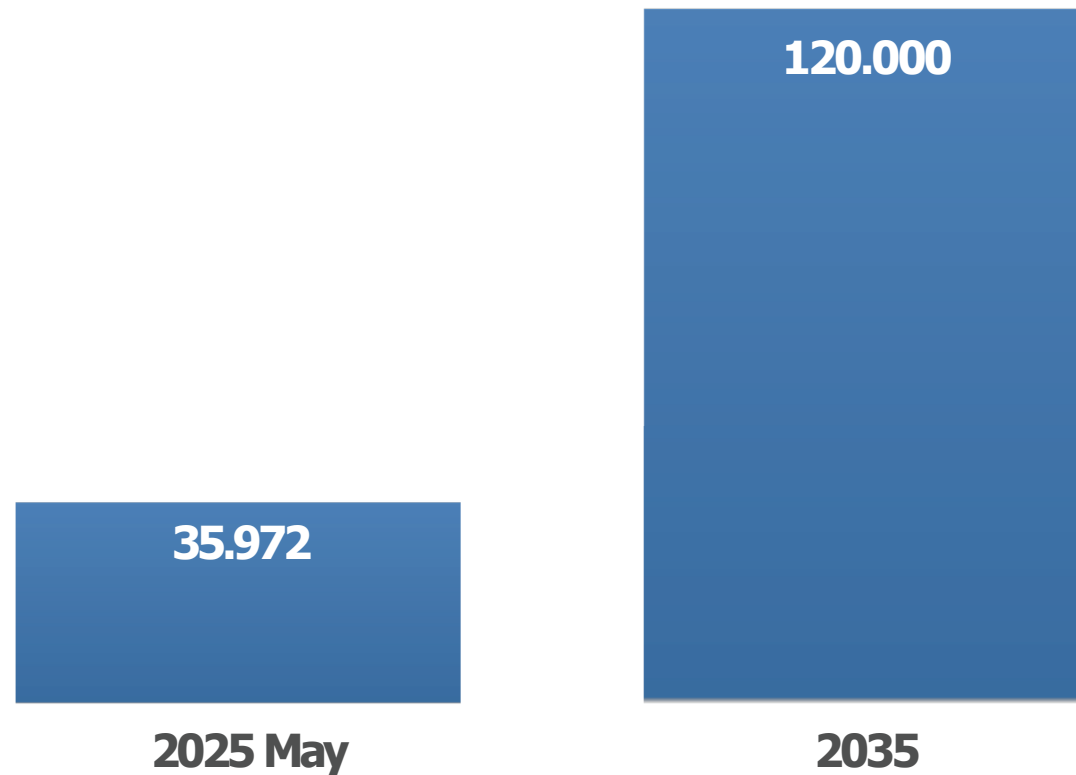
The Net Zero Scenerio of 2050 - Bloomberg NEF, New Energy Outlook 2024

Record Negative Energy Prices in Europe and the Most Effective Tool to Capitalize on This Opportunity: Battery Energy Storage Systems

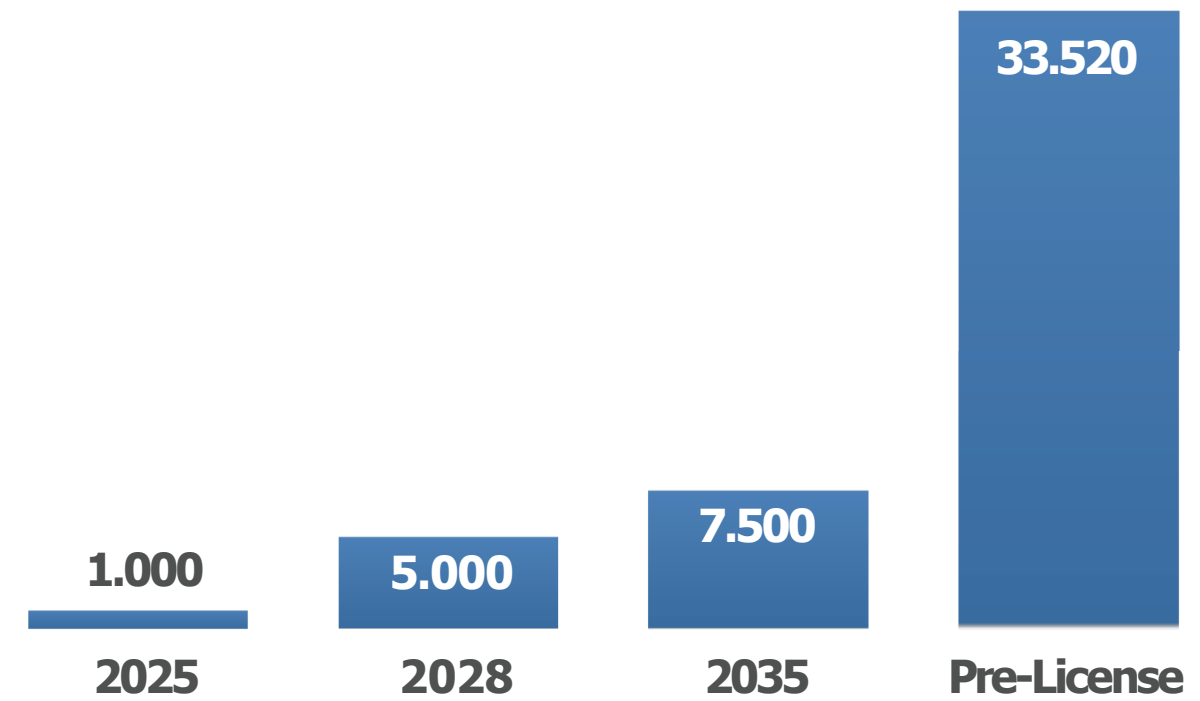


Market Development in Türkiye

Total Solar & Wind Power Plant Installed
Power (MW)

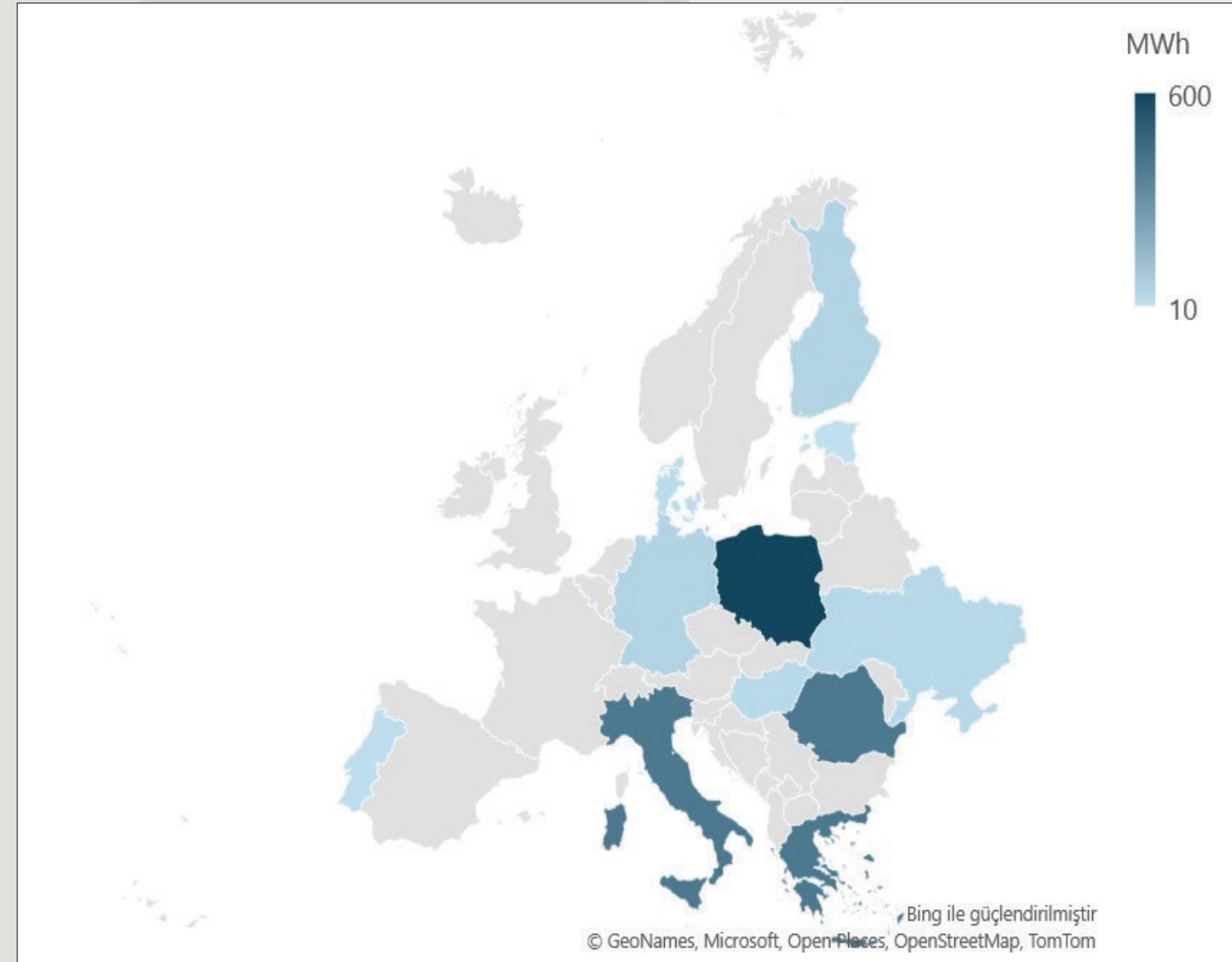


Battery Energy Storage System
Installation (MW)



Target Markets and Business Partners

iNOVAT	Türkiye ve Europe
Business Partners	
Solar Today	Romania and Hungary
Best Tools	Romania and Lithuania
Linea Ignis	Latvia and Estonia
Elfa	Greek
Photon	Czechia and Poland





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İNOVAT MÜHENDİSLİK SANAYİ TİCARET A.Ş.
Beştepe Mahallesi Nergiz Sokak No: 7/A İç Kapı No: 8
Yenimahalle / ANKARA

