DECENTRALIZED ENERGY & AI INFRASTRUCTURE

WE FOUND A NEW PERSPECTIVE ON THE MATTER

edn
energy data network

WHO WE ARE

- Team of innovators with a passion to revolutionize energy using artificial intelligence and utilizing synergies.
- Our founders bring decades of experience from academic institutions and hands-on mastery of cutting-edge energy solutions, blending deep knowledge with bold vision.
- Our mission drives us to harness AI and decentralization for smarter, cleaner energy that everyone can access.
- And our vision lights the way to a sustainable future where homes and industries thrive with intelligent power.

We turn big ideas into **real impact**.

OUR MISSION:

THE FUTURE OF ENERGY AND DATA

THAT WORKS FOR YOU

energy data network

Market Situation & The problem

There is an opportunity window we want to fill

Green Deal

- Overview: The EU Green Deal aims for climate neutrality by 2050, with a 55% emission reduction by 2030. It drives investment in renewable energy, storage, and efficiency.
- Opportunities: Renewable solutions like PV, BESS, and energy trading align with Green Deal policies. This creates opportunities for edn to help house PV to optimize costs and businesses reduce emissions and meet regulatory standards.
- Incentives: Access to EU subsidies, carbon pricing, and investment programs supports the transition to green energy.

Complexity & Demand

- Market Need: Aging power infrastructure drives demand for decentralized energy solutions and smart energy management systems
- Investment: Transitioning to renewable energy requires upfront investment in PV, BESS, and grid modernization.
- Demand: The EU actively supports innovation, renewable energy sources, and smart energy infrastructure, creating a strong environment for AI implementation

New regulation demand new approach

edn Opportunity

PV & BESS are not managed efficiently

Residential

- Growth & Gap: Over 184,000 rooftop PV installations in Czechia, with ~40,000 battery systems — a clear gap and opportunity.
- 2024 Trends: Although growth slowed in 2024 (~41k installs, down from ~83k in 2023), market saturation remains low.
- Technology: facing very high inefficiency due to missing batteries and smart management system.
- Regulation: LEX OZE III improving community sharing or energy storing

Industry

- Energy-Cost Pressure: Rising energy prices and demand charges are pushing industrial players to seek smarter energy strategies. Many lack tools to predict or control consumption patterns.
- Need for Flexibility: Industries require scalable battery systems and intelligent control to manage peaks, avoid penalties, and stabilize operations amid market volatility.
- Participation in Energy Markets: New regulation opens the door for businesses to join flexibility and spot markets, but most lack the tech stack to do so effectively.

EDN OPPORTUNITY

edn AI change PV and BESS to profitable

Residential Segment

- Rapid growth in rooftop PVs, low battery adoption
- High demand for energy optimization and self-sufficiency

Industry Segment

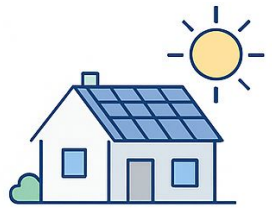
- Rising energy volatility and regulatory complexity
- Need for flexible infrastructure and active market participation

Infrastructure & Complexity

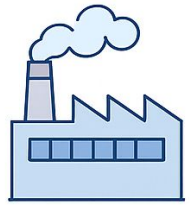
- Aging grid and increasing electrification
- Opportunity for decentralized, data-driven energy control

EU Green Deal & Public Support

- Massive push for decarbonization, digitalization, decentralization
- Funding and policy support for modern energy ecosystems



Residential
Rapid growth in rooftop PVs, low battery adoption



Industry
Rising energy volatility and regulatory complexitiy

Infrastructure & complexity
Aging grid and increasing electrification

EU green deal & public support
Massive push for decarbonization, digitalization, decentralization

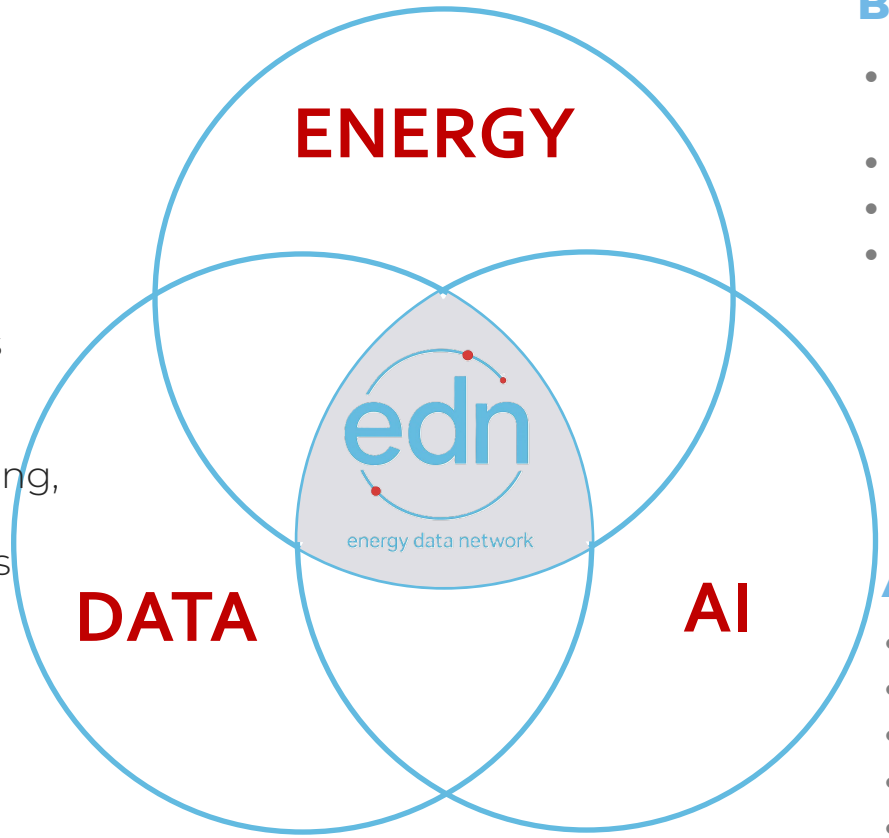
BRINGING FUTURE OF ENERGY

KEY PILLARS

Unique perspective and approach

AI-Driven Energy Controlling & Big Data Analytics

- Real-time data acquisition & analysis
- Prediction models based on Deep Learning
- Optimization of energy storage, buying, and selling
- Integration with Virtual Power Plants (VPP)
- Minimizing cost through smart AI-driven decisions



Batteries & Infrastructure

- Scalable home and industrial battery solutions
- Advanced smart-grid integration
- Peak shaving & reserve power storage
- Support for decentralized energy generation & microgrids

AI Computing & Synergies

- Efficiency through energy shaving
- AI inferencing (edge computing)
- Full-scale AI model training
- Decentralized computing via AI cloud
- Cost-efficient GPU free capacity renting

SYSTEM STRUCTURE

Unique perspective and approach

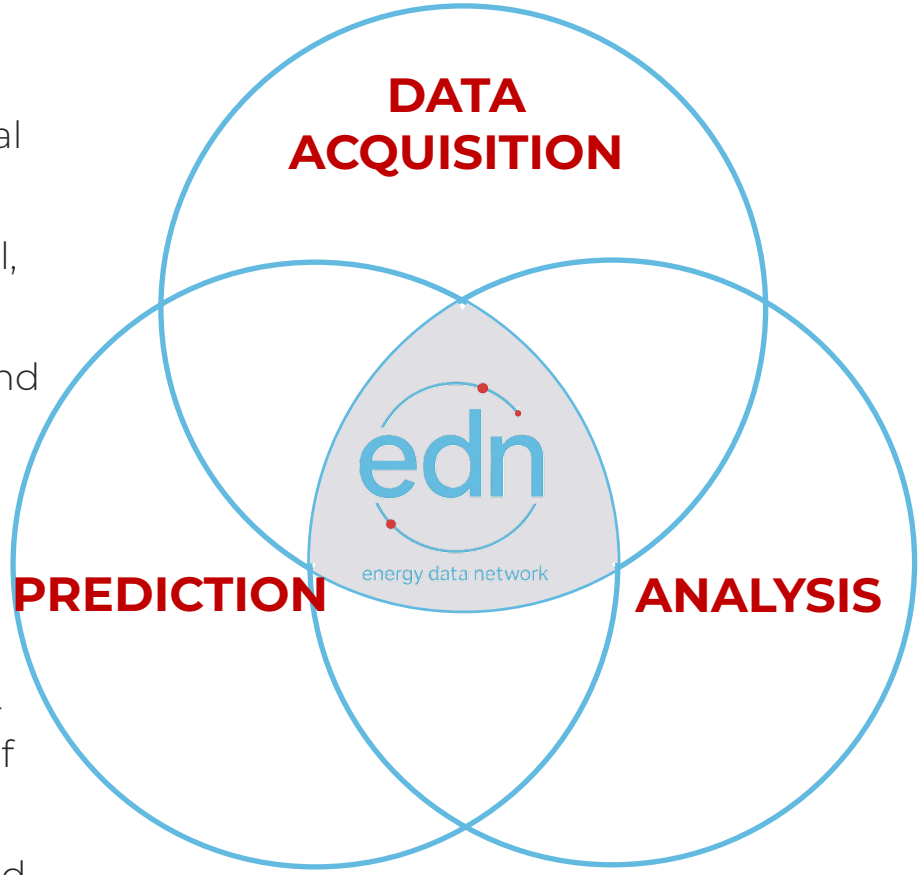
Consumerization

- Possibility of generation of electrical energy in households and businesses.
- The need for management, control, and optimization of usage.
- A gradual transition from autonomous to shared solutions and the emergence of Virtual Power Plants.

Data explosion

Explosion of available data on many streams

- Production – influenced by weather
- Consumption – historical patterns of behavior
- Storage – available capacity
- Selling/Buying/Sharing – current and forecasted spot price.



New analytical frontier

- Real-time analysis of consumption, production, capacity, spot prices, etc.
- Interdisciplinary analysis includes energy availability, user preferences, and economics.
- Predictions are based on Big Data and Deep Learning.
- The decision-making process is built on these foundations with AI

Decentralization

- Decentralized energy sources, are practically operationally risk-free.
- The data infrastructure and analytics, on the other hand, are centralized and allow for optimization across the entire network of connected sources.
- Investment in generation infrastructure is also decentralized and has significant support in several countries.

ECOSYSTEM

Unique perspective and approach

TECHNOLOGICAL PLATFORM

Hosted cloud environment and software platform ecosystem

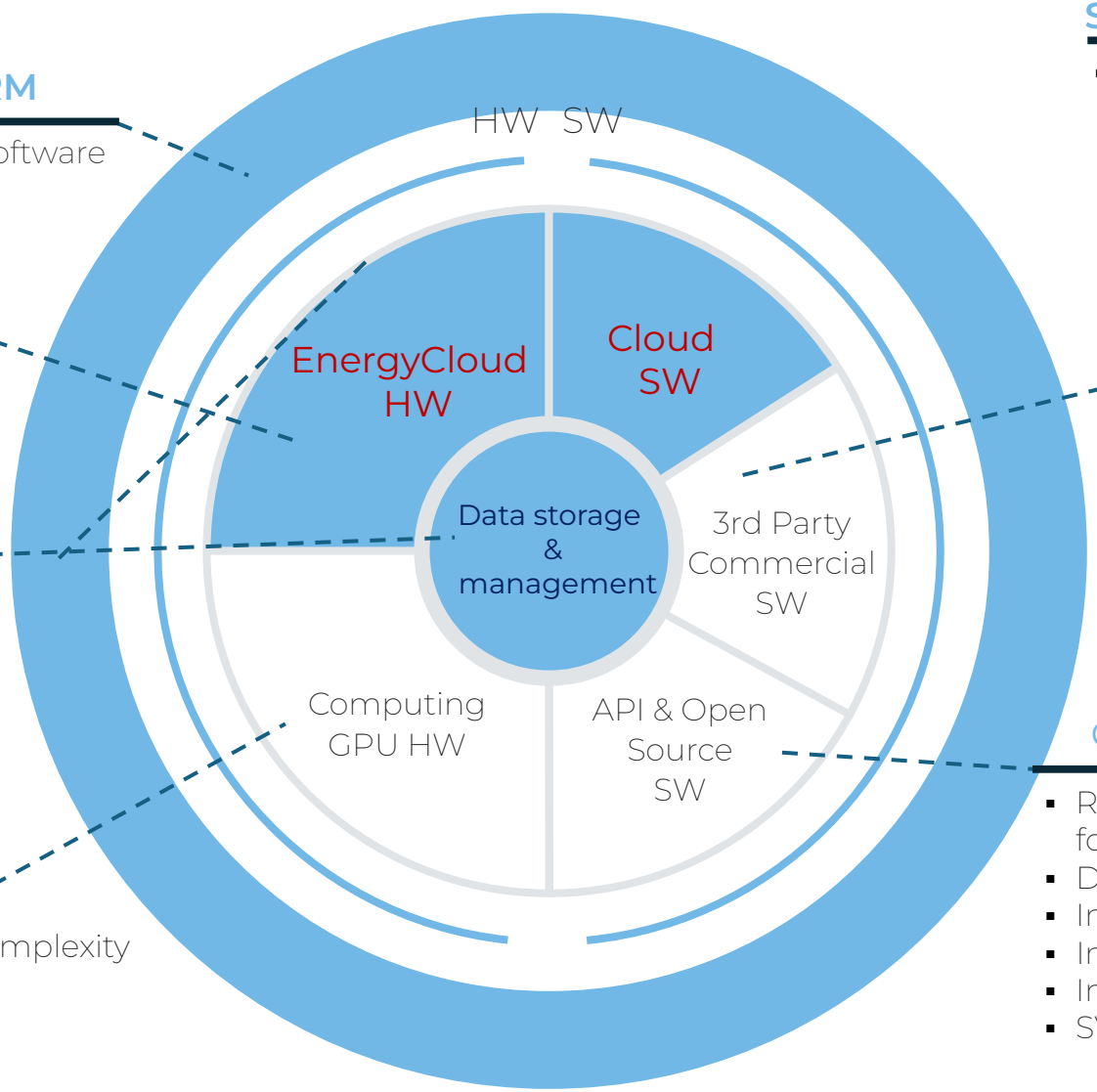
PRODUCTION

01
- Home systems – PV, BESS, Wallbox

02
- Industrial Containers, fast EV chargers

DATA

Stored in real time on edn cloud servers



03 AI ICT INFRASTRUCTURE

- Hardware ready for further complexity growth
- Utilization of free capacity

SW ENGINE 04

- User friendly environment (app/www) for each participant in the network Centralize software solution managing entire network of users

INTEGRATION

- Dispatcher control of the grid
- Transmission network instructions (power balancing)

COOPERATION

- Real-Time weather data across the , history, forecast EU electricity market operator
- Daily Market - Spot Market Index
- Intra-Day Market Continuous
- Intraday auction - IDA
- Imbalance settlement
- SVR trading

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REVENUE STREAMS

We manufacture all the necessary components; the entire system is under control

01 Home systems

- Modular 3-phase solution
- Scalable power
- Predictive control
- System monitoring
- Software application
- AC Wallbox
- Home computing node

02 Industrial technologies

- Container housing
- Peak shaving
- Back up
- AC or DC coupling
- DERMS
- DC fast EV charging
- Industrial computing node

03 AI Engine & Infrastructure

- Prediction and Demand Management
- Prediction of Consumption
- Automated Trading
- Peer-to-Peer Trading
- Optimization of Distribution Network
- Management of EV Charging Infrastructure
- Detection and Prediction of Failures
- Own infrastructure for AI model training
- Efficiency with own AI inferencing

04 Master control system

- Cloud SW, Cybersecurity
- Neural network, Deep learning
- EMS
- Trade optimization – Spot
- Power balance services
- Aggregation of flexibility

The edn technology features a range of interfaces for integrating third-party systems

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HOME SYSTEMS

Solar power plant, Battery, Wallbox, Home computing node

01

- All in One
- Integrated 3-phase inverter
- 3x solar DC inverter for PV strings
- 100% asymmetry
- Minimization of autonomous consumption
- Modular expandable system
- Basic capacity 15 - 23 kWh
- Mobile device application
- 22 kW AC Wallbox

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INDUSTRIAL TECHNOLOGY

Manufacturing facilities, municipalities, EV charging infrastructure

02

- 0,5 – 100 MWh
- Reduction of the reserved power
- 1/4 hour peak control
- Protection and energy backup
- Network quality control and compensation
- Elimination of penalties for exceeding peaks
- Operations and control system
- Monitor and protects battery racks
- Performs independent control of inverter and batteries
- Protects individual components

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AI DECENTRALIZED ENGINE

Shared computing Capacity

- Decentralized AI, Powerful for AI training models
- Community sharing
- Consumption optimization and savings from spot purchases
- Profit generation from selling energy at the right time
- Revenue share from SVR services
- Consumption, production, and sales forecasting
- Mobile application and desktop software
- Meaningful use of investment
- 3rd party technology integration
- Backup of selected circuits

03

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OF ENERGY

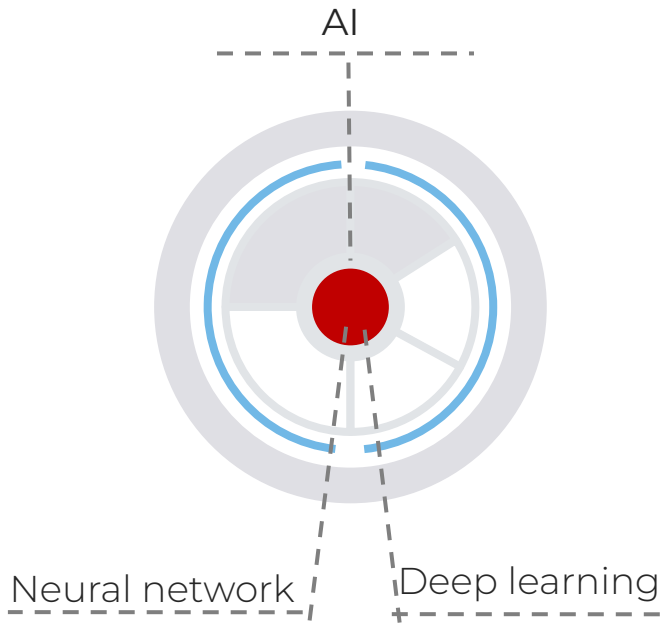
MASTER CONTROL SYSTEM

Interoperable modular system

04 Comprehensive technology

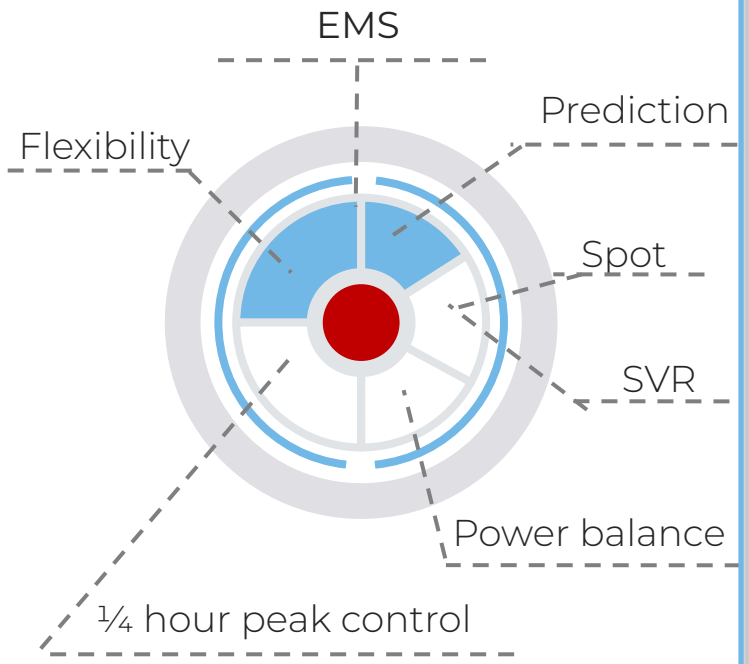
Core system

- Big data, decision-making process
- Optimization algorithms to achieve goals



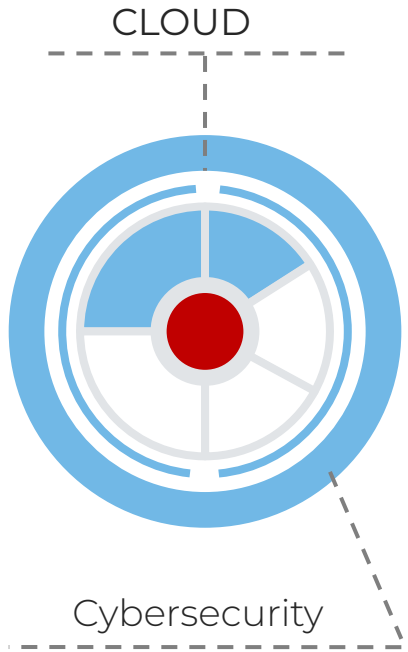
Energy block

- Profit generation, cost reduction
- Identification of patterns and trends



Technological platform

- Easy accessibility for users
- Quick deployment of new services



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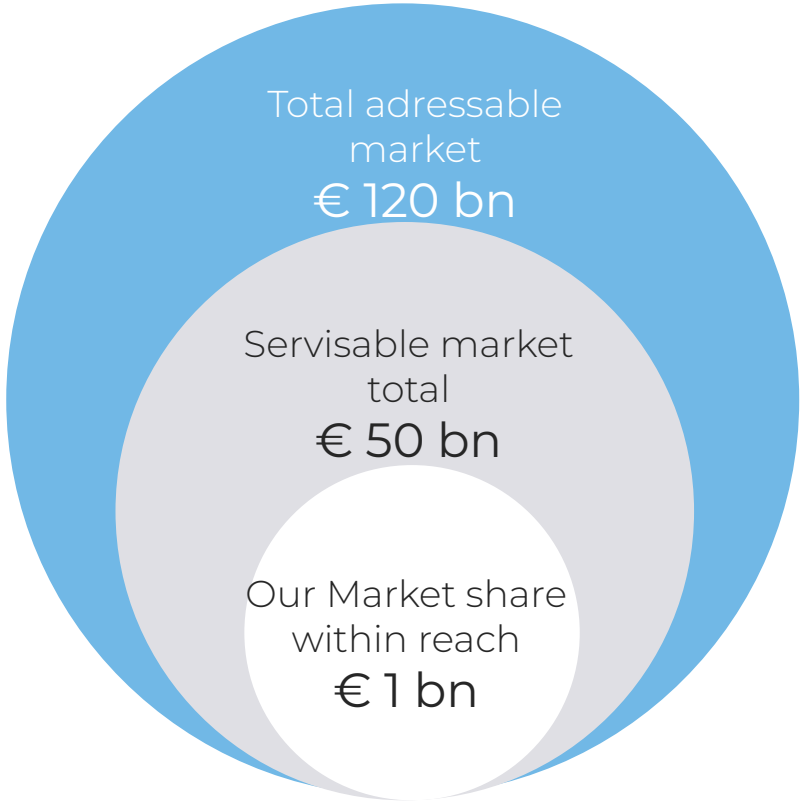
MARKET SIZE

The growth of the market is fundamentally influenced by every new offering of modern technologies

Huge global market with 40% CAGR



Robust monetization model

Non-Recurring	AOV (€ ths.)	GM %	CAC (% of AOV)
▪ Home systems ▪ Industrial Solutions	10 - 100	15-25	10 - 20

Recurring	ACV (€ ths.)	GM %	CAC (% of ACV)
AI BOX	0.1 – 0,25	60 - 70	15 - 20
Grid support - SVR	TBD	TBD	TBD
Energy sales - Intraday	TBD	TBD	TBD

In 2024, the investment in renewable energy generation was approximately 450 billion USD globally.

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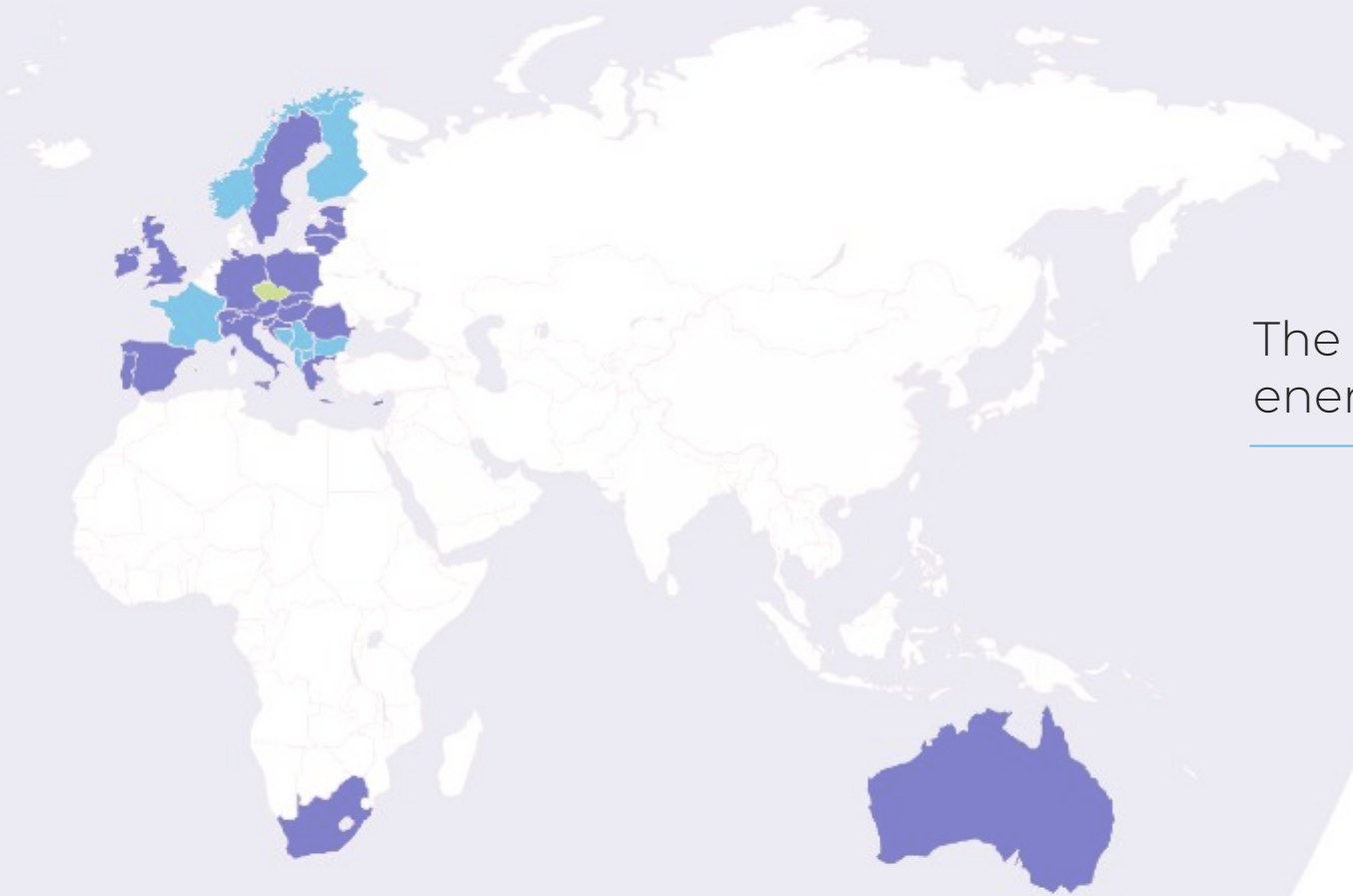
BUSINESS MOMENTUM

3D - Business opportunities for applying AI in the energy sector in the EU are immense, thanks to the ongoing transformation of the energy sector focused on Decarbonization, Decentralization, and Digitalization. The EU actively supports innovation, renewable energy sources, and smart energy infrastructure, creating a strong environment for AI implementation.

THE GREEN ENERGY MARKET WILL INCREASE GLOBALLY BY 40% CAGR



The first business line ideally prepared for the distribution network.

Additional options in the second step

The EU is literally flooded with autonomous energy producing systems from Asia.

5 UNDENIABLE REASONS :

- Established support in the EU budget
- Green Transition commitments of most countries
- Safe operation of decentralized resources
- High solar yield in southern EU
- High interest from the younger generation

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THE TEAM

Experienced management team

Tomáš Hrdlička | co-founder & CEO

Experienced business executive with over 25 years of leadership in strategy, project management, and product development across ICT, finance, and energy sectors. Have driven multimillion-dollar projects, boosted revenues, and spearheaded transformative strategies for companies like Group Mutuel Switzerland, Home Credit India, and Vodafone or O2 Slovakia

Tomas Vondra | CTO

An expert in data centers and cloud technologies, with a primary focus on private clouds and container platforms and AI. Also an assistant professor at the Czech Technical University, contributing to the academic and professional development of future IT specialists

Lukáš Pokorný

TBD

ROADMAP

Detailed time-plan is in progress

Q2-Q3 '25

Funding
- Start €10M Funding Campaign

Set-up Team:
- Core Team Recruitment & Devops

Product Development:
- Product design & verification

Business Development:
- First Customer Outreach

Q4 '25 – Q2 '26

Funding:
- Close €10M Round

Set-up Team:
- Commercial team & Marketing

Product Development:
- Launch AI CloudBox & Home node pilot
- Launch AI engine 2.0

Q3 –Q4'26

Business Development:
- Trading for license
- EU rollout

Product Development:
- Integration to AI, Grid balancing and intraday trading
- Scaling of services

2027

Business Development:
- Trading for license

Product Development:
- Scaling of services

2026

Expansion outside the EU & Global deployment

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Go To Market

Residential
Partner-Driven Growth

Target Audience:

- Existing PV & battery installers
- Performance marketing of AI

Strategy:

- Offer a white-labeled, full-stack solution combining hardware (PV, BESS) and intelligent control via our AI platform

Why It Works:

- Adds new revenue streams for installers and improves ROI for end customers
- Create a certified partner network to scale across Czechia and the EU

Industrial
Direct Sales & Strategic Partnerships

Target Audience

- Retail parks, manufacturing, logistics hubs, EV infrastructure providers

Strategy:

- Build a sales team focused on large-scale deployments of industrial systems with AI-based energy optimization, peak shaving, and trading

Why It Works:

- Industrial players face high volatility and lack tools for energy flexibility

FINANCIALS

Raising €50 million to fund growth in the Czech republic and Germany / Austria

SIMPLE MODEL

'000 CZK	2026	2027	2028	2029	2030	2031
REVENUE	**159 097**	**1 033 680**	**3 156 294**	**9 357 335**	**18 474 718**	**31 087 783**
MARGIN	16 672	131 358	578 248	1 938 369	3 968 792	6 928 886
COSTS OF SALES	9 600	54 000	78 000	79 200	85 200	91 200
GROSS MARGIN	7 072	77 358	500 248	1 859 169	3 883 592	6 837 686
ACQUISITION COSTS	3 334	26 272	115 650	387 674	793 758	1 385 777
OPERATING MARGIN	3 737	51 086	384 598	1 471 495	3 089 834	5 451 909
OVERHEAD COSTS	5 001	39 407	173 474	581 511	1 190 638	2 078 666
EBITDA	**-1 264**	**11 679**	**211 124**	**889 984**	**1 899 196**	**3 373 243**
CAPEX	50 000	45 000	40 000	30 000	30 000	30 000
CASHFLOW TOTAL	**-51 264**	**-33 321**	**171 124**	**859 984**	**1 869 196**	**3 343 243**

Use of funds

- launch CloudBox and AI service
- build commercial and Devops team
- professionalize financial management

- Next raise for international expansion expected in 18-24 months
- Soon we are planning to establish US company 100% owned by the Czech mother but with bigger split of shares. That will allow us to split the shares between the Co-founders and Community Leaders more globally.
- Further raise possible to build/acquire energy trading business

w/o rollout to other EU countries

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INVESTORS ON PAGE

AI-Powered Energy Solutions

- Mission: Optimize energy with AI, PV, and BESS for homes and industries.
- Market: €37.5–48.2B in Czechia, Germany, Austria (7–9% CAGR).
- Why EDN?
  - AI-driven energy efficiency.
  - Scalable PV/BESS solutions.
  - EU Green Deal alignment
- Shareholder Terms: Quarterly meetings, transparent updates, project materials

Phase	Shares	Price/Share	Amount	Timeline
Launch	200 (10%)	€25,000	€5M	2025–2027
Scaling	400 (20%)	€100,000	€40M	2027–2029
Total	600 (30%)		€45M	

- Valuation: Prelaunch €50M pre-money, Post scale €260M post-money (~17% equity).
- Structure: 2,000 shares, held by edn.
- Each investor or co-founder is given 10% discount on our technology solution

Join edn to power a sustainable future!

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Thank you!

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BACKUP

FINANCIALS CZ/DE/A DETAIL

SIMPLE MODEL

CZECHIA	2026	2027	2028	2029	2030	2031
REVENUE	**159 097**	**397 293**	**1 567 122**	**3 088 846**	**6 119 332**	**6 610 453**
MARGIN	**16 672**	**64 672**	**319 561**	**660 125**	**1 328 291**	**1 615 721**
COSTS OF SALES	9 600	15 600	15 600	16 800	18 000	19 200
GROSS MARGIN	7 072	49 072	303 961	643 325	1 310 291	1 596 521
ACQUISITION COSTS	3 334	12 934	63 912	132 025	265 658	323 144
OPERATING MARGIN	3 737	36 137	240 049	511 300	1 044 633	1 273 377
OVERHEAD COSTS	5 001	19 402	95 868	198 038	398 487	484 716
EBITDA	**-1 264**	**16 736**	**144 180**	**313 263**	**646 146**	**788 661**
CAPEX	50 000	25 000	20 000	10 000	10 000	10 000
CASHFLOW	**-51 264**	**-8 264**	**124 180**	**303 263**	**636 146**	**778 661**

GERMANY & AUSTRIA	2027	2028	2029	2030	2031
REVENUE	**636 387**	**1 589 172**	**6 268 488**	**12 355 386**	**24 477 330**
MARGIN	**66 686**	**258 687**	**1 278 244**	**2 640 501**	**5 313 165**
COSTS OF SALES	38 400	62 400	62 400	67 200	72 000
GROSS MARGIN	28 286	196 287	1 215 844	2 573 301	5 241 165
ACQUISITION COSTS	13 337	51 737	255 649	528 100	1 062 633
OPERATING MARGIN	14 949	144 550	960 195	2 045 201	4 178 532
OVERHEAD COSTS	20 006	77 606	383 473	792 150	1 593 950
EBITDA	**-5 057**	**66 943**	**576 722**	**1 253 051**	**2 584 583**
CAPEX	20 000	20 000	20 000	20 000	20 000
CASHFLOW	**-25 057**	**46 943**	**556 722**	**1 233 051**	**2 564 583**

	2026	2027	2028	2029	2030	2031
CASHFLOW TOTAL	**-51 264**	**-33 321**	**171 124**	**859 984**	**1 869 196**	**3 343 243**

'mil CZK

w/o rollout to other EU countries

BRINGING FUTURE OF ENERGY

Roadmap items- INTERNAL

EXISTING
TO DEVELOP

HOME

AI Bridge
- Bridge

AI Inferencing

Spot

SVR
- License for trading
- Tokenization of SVR / SPOT/AI (e.g. Helium Air)
- Aggregator license

Solar & BESS

Solar

BESS
- Offer to only solar houses a battery and AI system for optimization
- Partnering with PV small installers

AI Training
- 15.000 neurons and growing
- Weather forecasting
- Consumption prediction models
- Spot market

AI Training
- Prediction of SVR services
- Intraday and capacity trading

INDUSTRIAL

Battery
- Liquid cooling
- High density containers
- Transformer station
- Certification of Aggregator

AI
- AI cloud Infrastructure
- Phase1
  - Internal AI TRAINING
  - Public renting of free capacity
  - AI inferencing as a service

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