

# Beckn for Energy

Open Networks for Multi-Purpose Energy Transactions



# The world is well on it's way to **clean energy transition** ..

More than 130 countries have set a net zero target, and are actively backing renewables through policy and regulations.

## Progress so far...

**50%** Increase in renewable capacity additions globally in 2023



## Global Target for 2030

**3x** Global renewables capacity to 11,000 GW

## Are we on track?

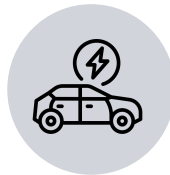
**2.5x** Acceleration of global renewables capacity by 2030, at the current rate of growth

## "Fossil phase-out is coming" – Ember

*There is a collective commitment globally, to expedite the transition with..*



Investment in renewable infrastructure & policies



Technology & Innovation



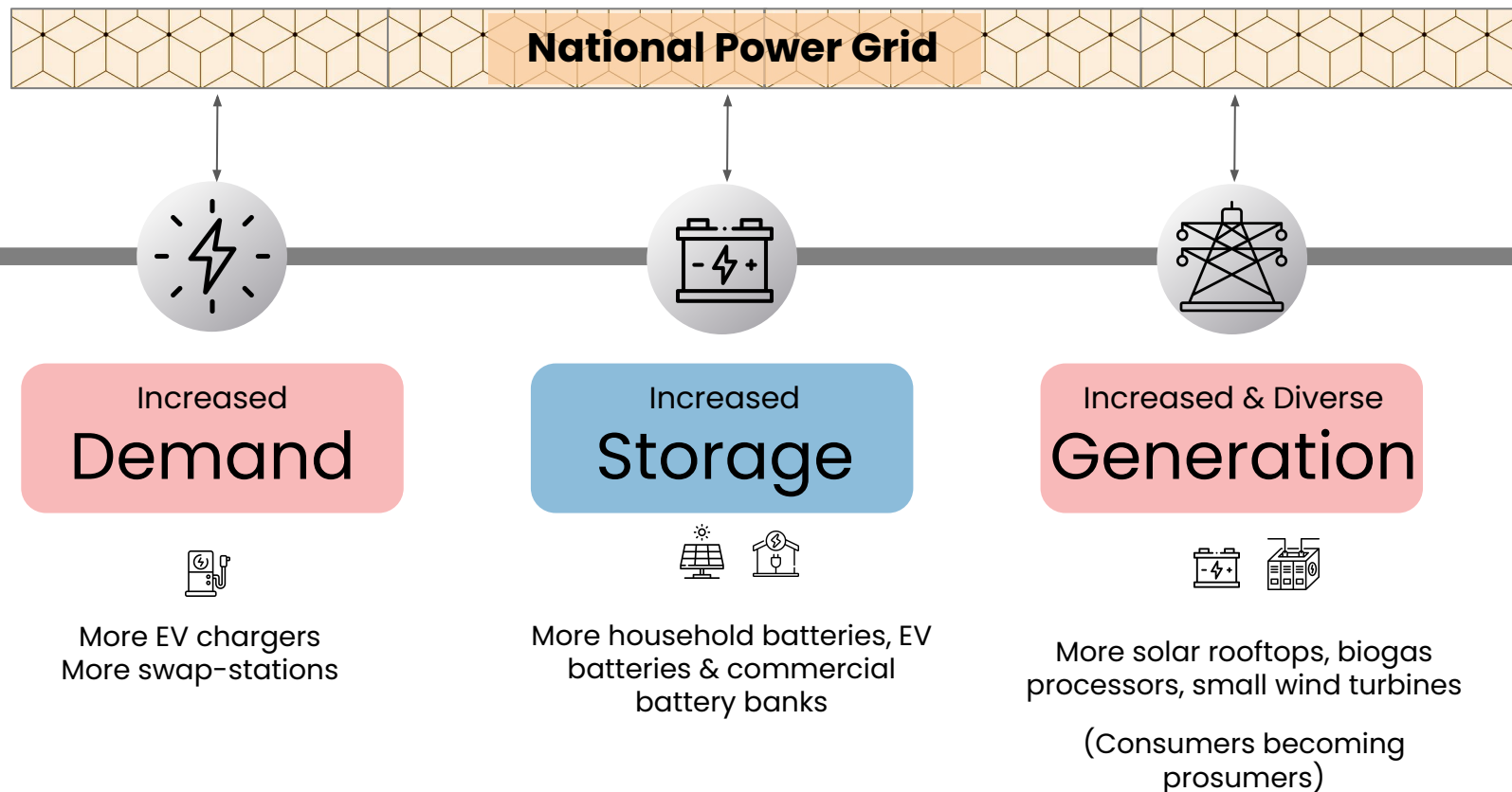
Community Participation



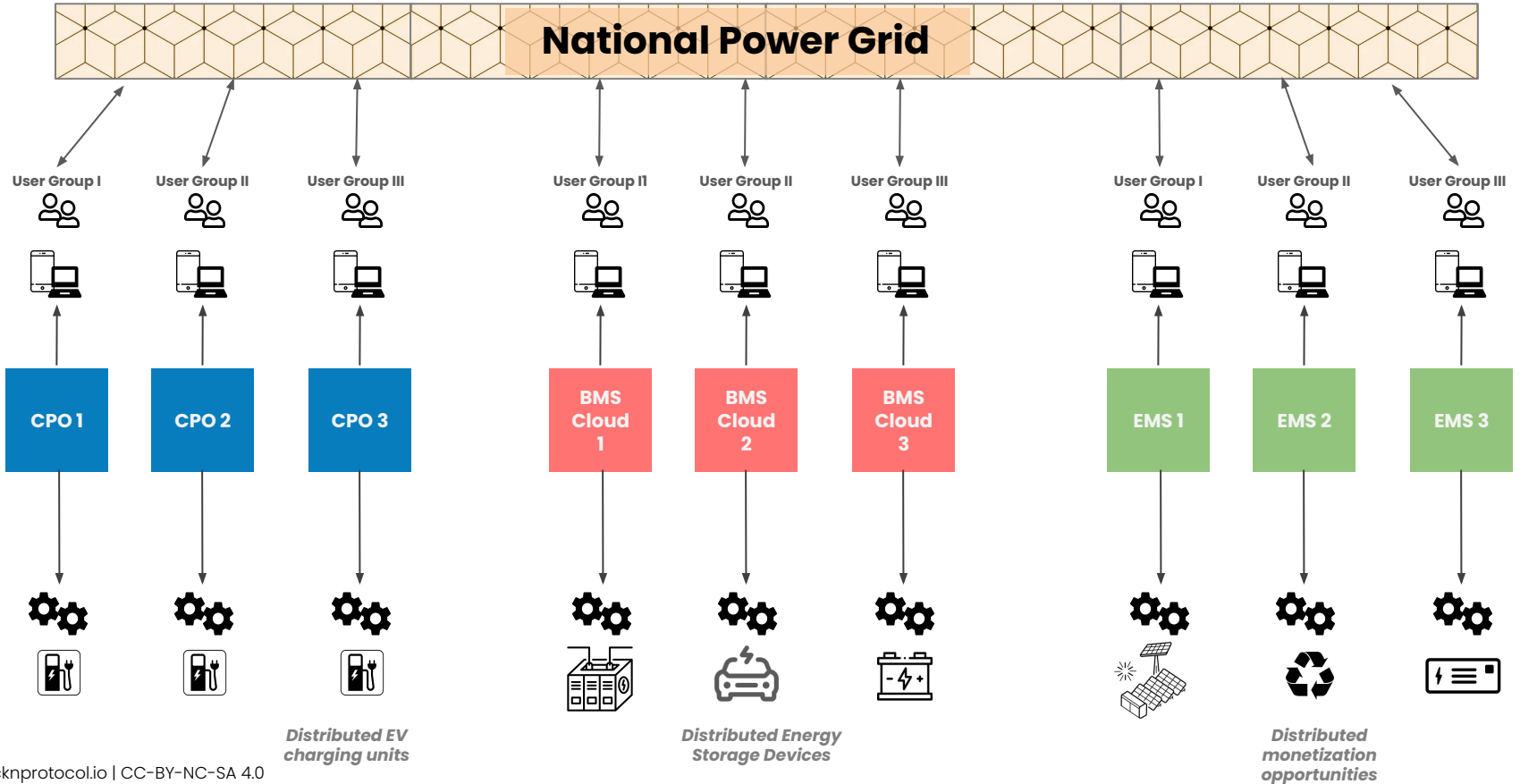
Source:

1. IEA Renewable Report, 2023, <https://www.iea.org/reports/renewables-2023/executive-summary>
2. World Economic Forum: <https://www.weforum.org/agenda/2024/01/energy-transition-renewables-capacity/>
3. Ember: <https://ember-climate.org/insights/in-brief/tripling-renewables-and-doubling-efficiency-will-accelerate-a-fossil-phaseout/>

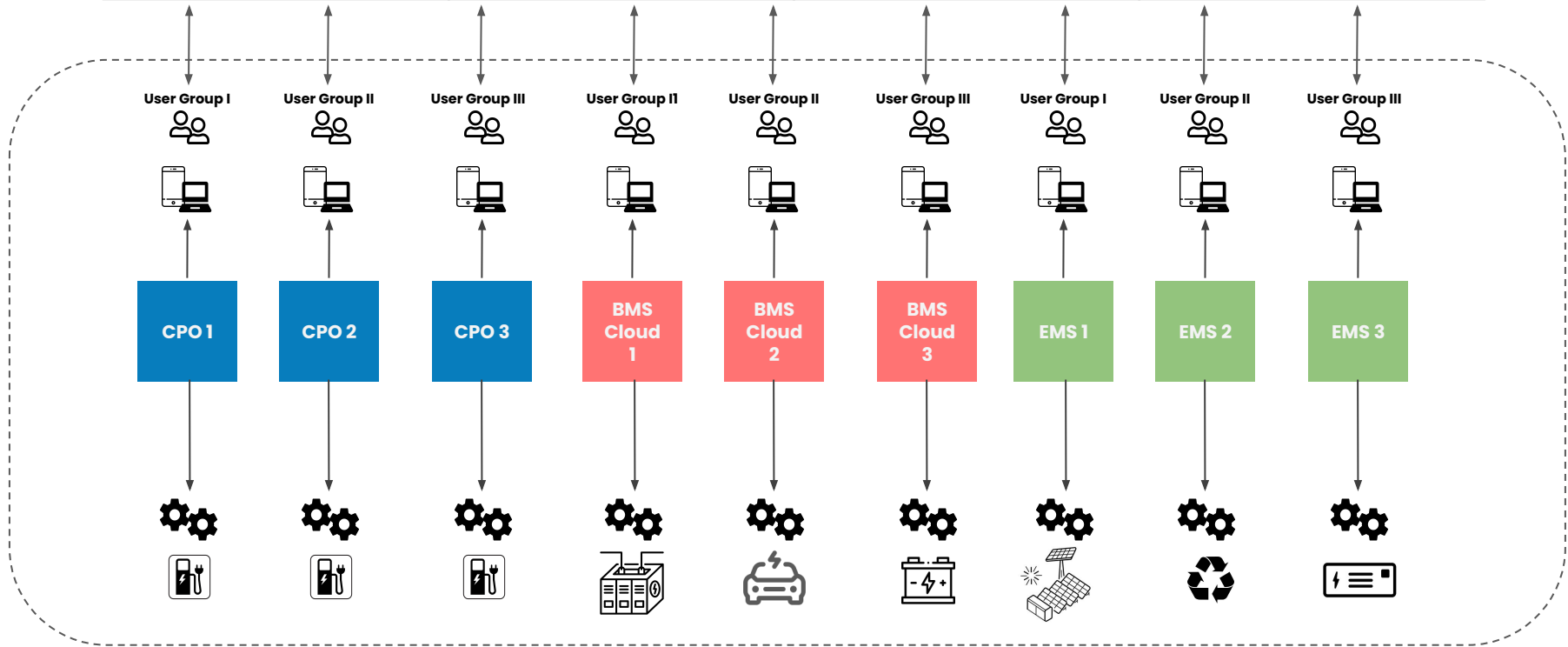
# .. leading to a groundswell in energy applications



# ... with many digital platforms, but all operating in silos



# National Power Grid



Can we affect **accelerated** green energy transition by **unifying** the **fragmented ecosystem**?



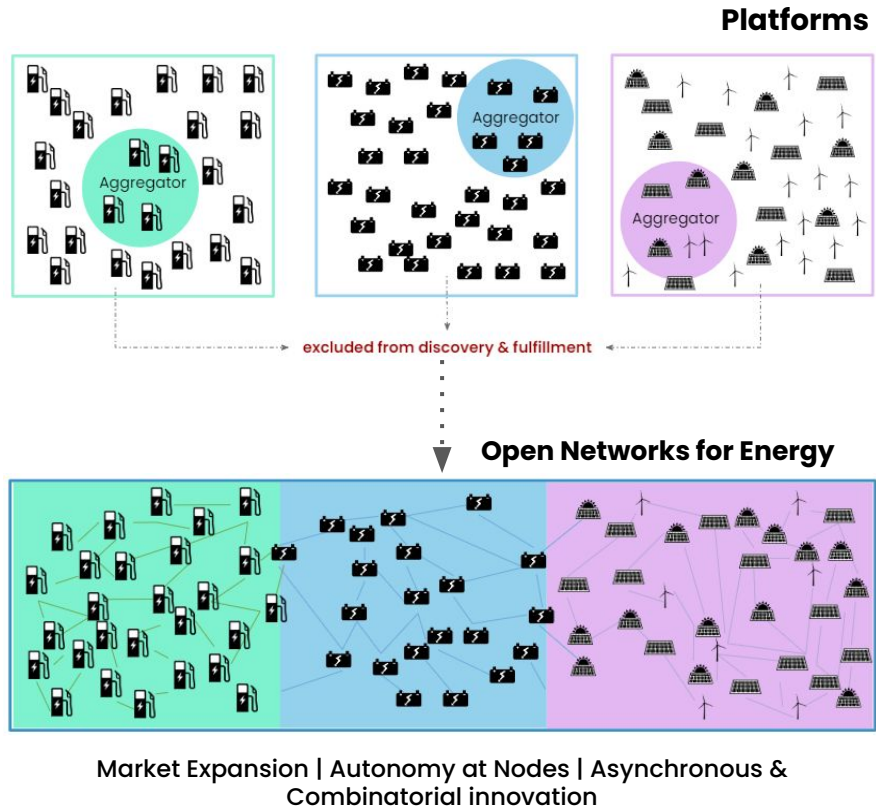
# Beckn Protocol – Simplifying Energy Transactions

**beckn** – an economic resource discovery  
& transaction protocol

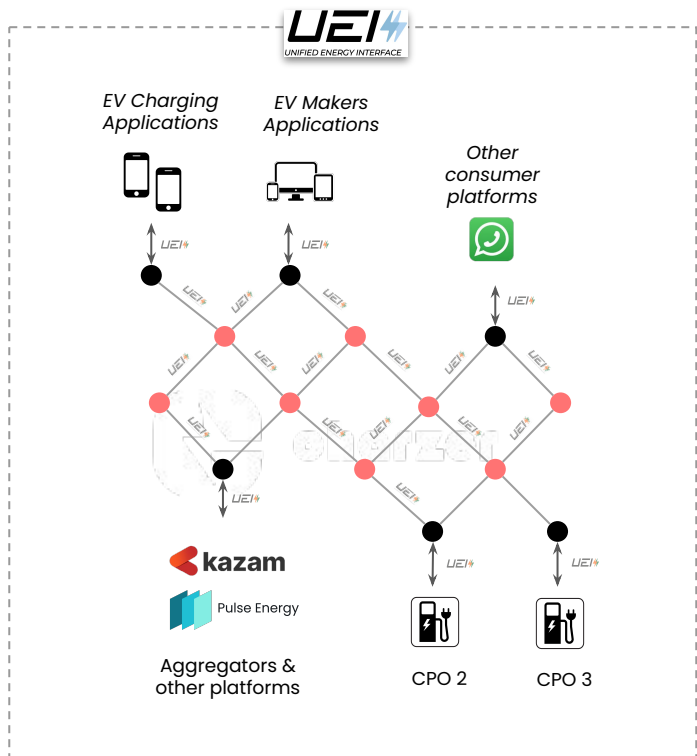
- ./ EV chargers
  - ./ Swapping stations
  - ./ Idle storage devices
  - ./ Green energy
  - ..
- ./ Ordering
  - ./ Booking
  - ./ Blocking
  - ./ Sourcing...



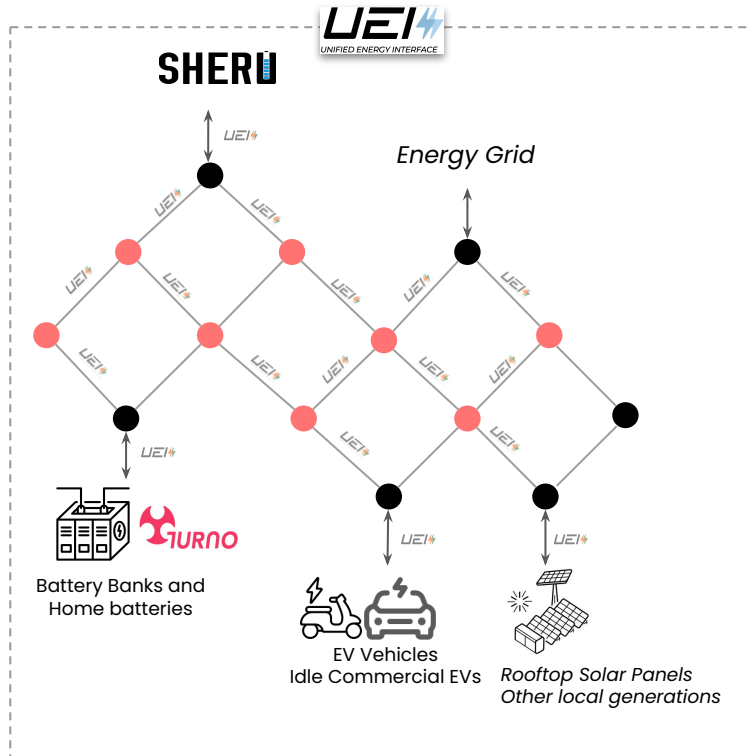
Unified Energy Interface (UEI) is an **open network** (built on Beckn) for **energy** transactions across digital systems in India



# UEI – Open Network for EV charging, virtual energy warehousing & battery monetization



**EV Charging Network**



**Virtual Energy Storage & Battery Monetization Networks**



\*\* Unified Energy Interface (UEI):  
Open Network for Energy Txns  
Built on Beckn

\*\* Note: Brand logos are for illustrative purposes only

# Early Innovators on UEI: From concept to reality



EV charging software platform



.. after starting our journey with UEI in Dec, '23 we are very bullish about **increasing utilization rate** for **15,000+ charging stations** and increase accessibility for **100,000+ EV drivers** within **3 years**

..



Pulse Energy

EV charging software platform



.. as we keep on building and evangelising UEI, our recent estimate is at **at least a 10x TAM growth in the long run** ..

## SHERU

Cloud energy storage platform for grid operators



.. We are adopting UEI to enhance the aggregation rate ... Our objective is to **aggregate at least 1 GWh storage capacity in next 5 years** ..



Commercial EV marketplace




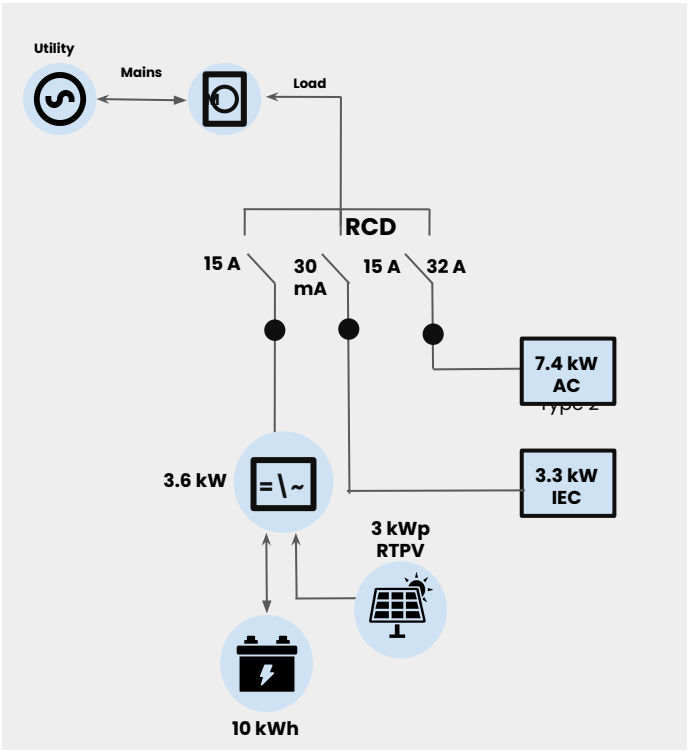
UEI as this is by far, the best bet to enable **seamless linkages** across these **disparate market structures** (EV battery assets & energy markets)



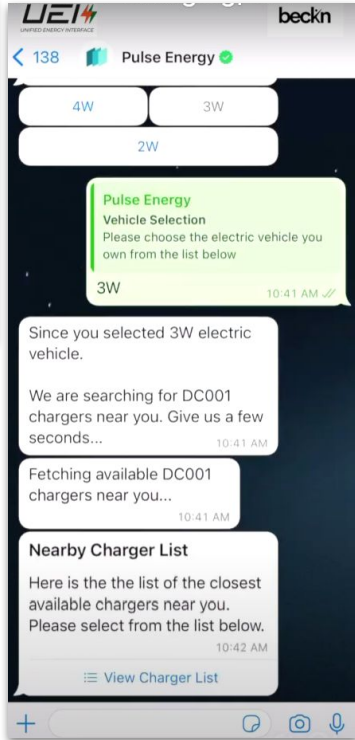
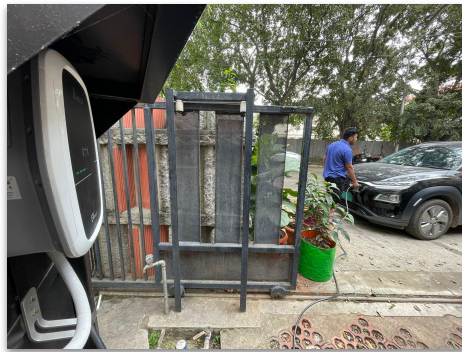
# Technical demonstration already live in Bangalore, India

## Setup at demo site

 HSR Layout, Bengaluru, Karnataka



## EV charging on field



**Built by**

-  Pulse Energy
-  SHERU
-  TURNO
-  Epic Energy
-  kazam

# Thank You



Read more at

<https://becknprotocol.io/>



Find the team at

<https://fide.org/>



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