

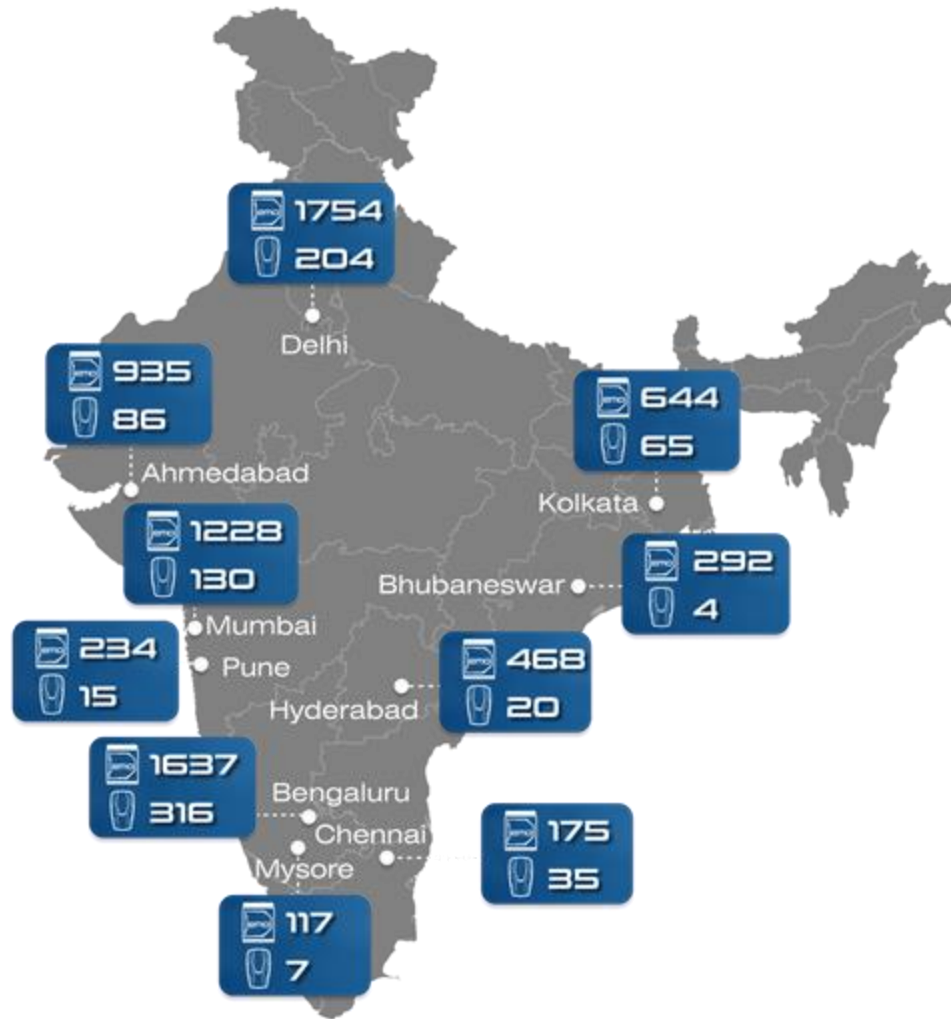


emo ENERGY

Energy Ecosystem for Urban Mobility & Commerce

INTRODUCTION

emo is spearheading deep tech innovation in the energy sector, delivering state-of-the-art battery-powered solutions that support the transition to a net-zero future across **quick commerce, mobility, and energy storage systems.**



India's largest Energy Ecosystem

11738

Battery Packs
Deployed

1400

Fast
Chargers

750 MWH

Energy Dispersed
Monthly

TVS

TATA

Domino's

zomato

HAVELLS

SWIGGY

\$7.5 mn

Total Funding Raised

2022

Year Founded

VISION

To decarbonise logistics by building the most advanced energy ecosystem across mobility & storage by 2030

1M Vehicles
powered by
EMO

100,000
Fast Chargers

50,000
BESS

TOTAL ADDRESSABLE MARKET 2030

\$79BN ACROSS MOBILITY & BESS
OVER NEXT 5 YEARS



Last Mile Mobility 2W

\$30 BN



Light Mobility

\$14 BN

*except OLA & Ather



CV - Trucks

\$25 BN



C&I BESS

\$10 BN

\$12 BN

Battery Sale

\$18 BN

Leasing

TAM for Battery Sale

BREAKDOWN OF LAST MILE MOBILITY

Majority of last mile mobility still uses ICE vehicles with a strong shift towards EVs every year

Total number of
Active Riders
50,000,000

Battery
Swap **70%** Slow
Charging **30%**

ICE **98%** EV **2%**

Lower rate of adoption due to

- Asset Reliability
- Higher Cost/km
- Non-Scalable Infrastructure

LAST MILE
MOBILITY

BATTERY SWAPPING: a BAND AID SOLUTION

Swapping was designed for convenience , but it breaks at scale – operationally, financially, and logistically.

At scale, battery swapping costs more than it saves

BATTERY SWAPPING = INEFFICIENT

30% more
energy required

2x more
Space / km deployed

70% higher CapEx + **60%** OpEx

FAST CHARGING WITH EMO = SCALABLE & EFFICIENT

Lesser
energy required

Leaner
infra footprint

Higher
vehicle availability

1.5x lower
setup and O&M



**COST /
KM**



Petrol
₹ 4



Battery Swap
₹ 2.8



Quick Commerce
Target
₹ 1.5



emo
₹ 1.26

emo ECOSYSTEM FOR QC



e2W with EMO
battery pack



Fast Charger Access
Provided



Unlimited
Kilometers



Health & Energy
Management Dashboard

80 % Charge in
20 mins

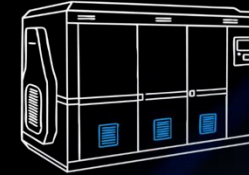
5 YRS
warranty

2000
Charge Cycles

SOFTWARE



STORAGE



SOURCE



MOBILITY



nexo

EMO's vertically integrated solution specifically designed to create the most efficient energy ecosystem for last mile deliveries.

By unifying every layer of the energy stack, we're cutting energy costs by up to 40% for warehouse operations



WHY EMO?

As quick commerce scales, energy becomes the only controllable cost - unlocking massive value for scalability.

COST



Warehouse



Goods



Employee



Labor



Petrol



Operational
Costs

ENERGY COST



By creating the most efficient flow of energy

With EMO's liquid cooled battery packs, fast charging, and battery health & energy management.

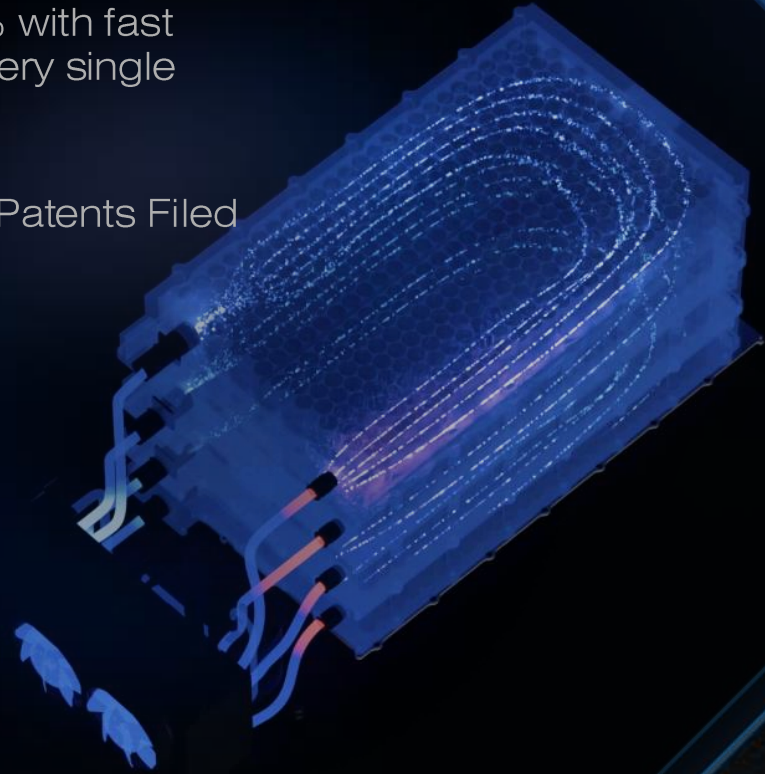
Energy is the one major cost lever that can be actively reduced—even as scale increases.



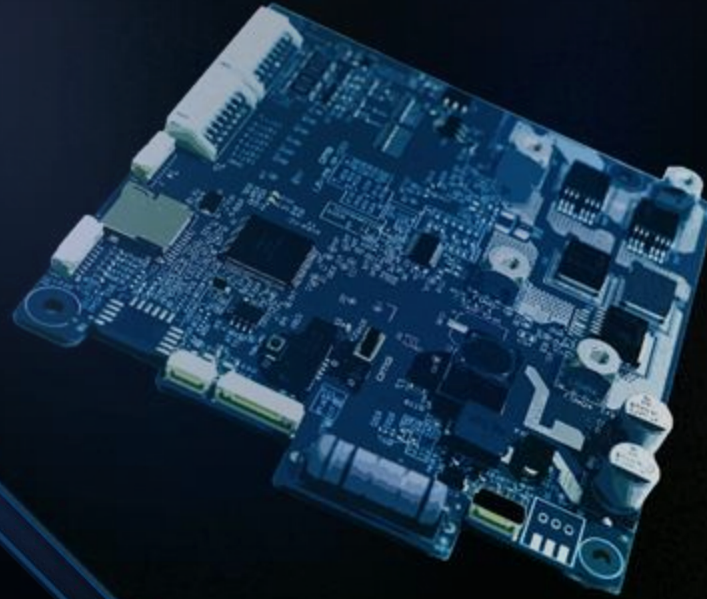
ZEN TECHNOLOGY

Extending life of li-Ion cells by 40% with fast charging every single time.

25 Global Patents Filed



IMMERSION COOLING



ACTIVE BALANCING BMS

ENERGY MANAGEMENT



TESTING

ze.nPAC used monthly for

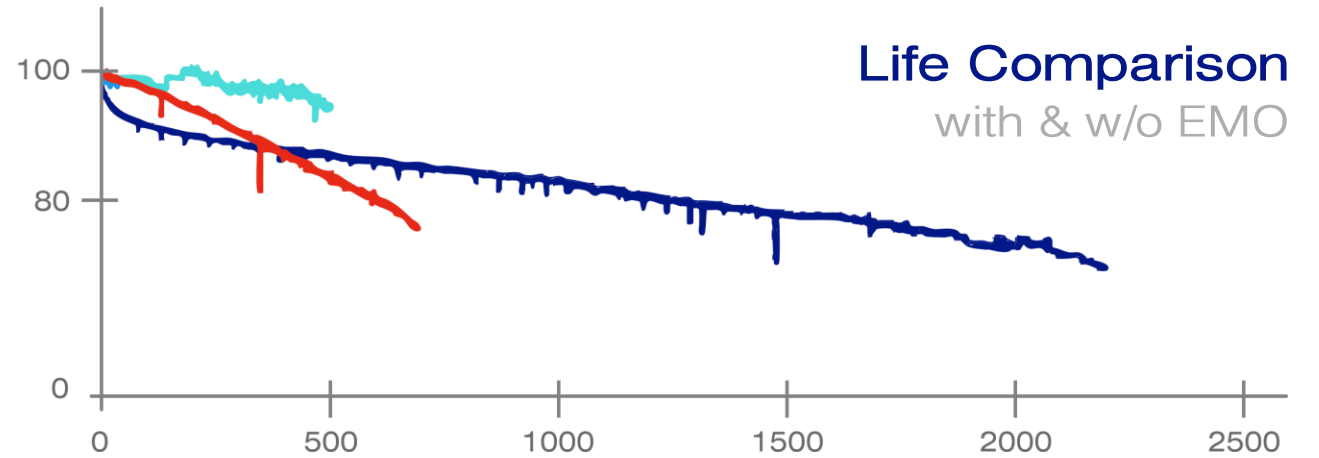
10.2 mn KMS

Life in Lab

2000 Cycles
proven

Life on Road

800 / 2000
complete



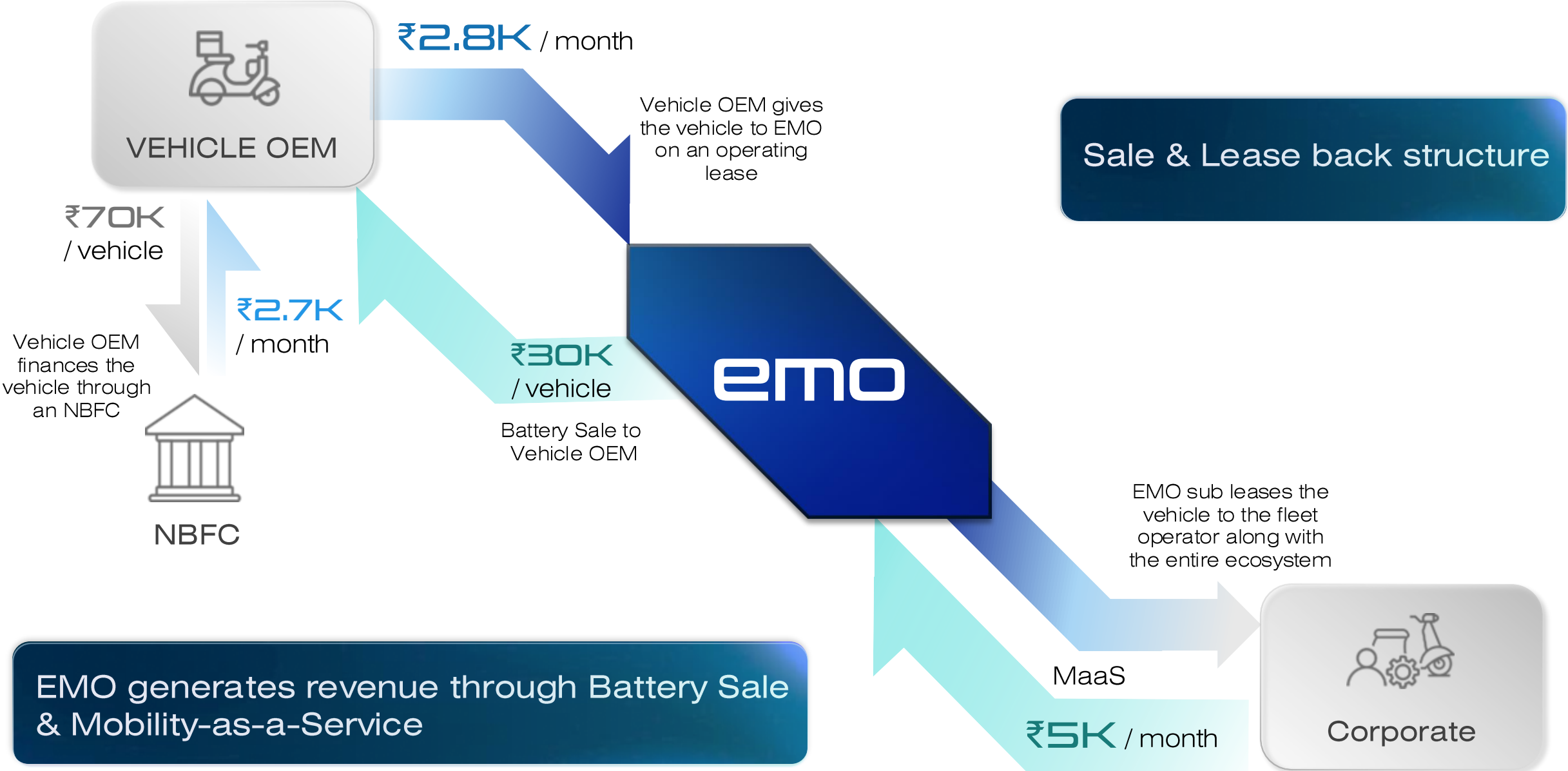
—	Others	On Road	800 Cycles @ 80%	EMO 1% loss / 100 cycles Others 4% loss / 100 cycles
—	EMO	Lab	2,250 Cycles @ 76%	
—	EMO	On Road	500 cycles @ 96%	

Batteries deployed 2.5 years ago have clocked over 90,000kms @ 93%

Battery Tech
Validated by



BUSINESS MODEL QUICK COMMERCE - 2025



GO TO MARKET STRATEGY

OBJECTIVES



Anchor demand via battery leasing to QC fleets to validate core tech

FY 26



Reach **20%** of QC fleet volume; apply learnings to OEM & BESS pilots

FY 27



Deploy full-stack energy solution in dark stores; formalize global expansion model

FY 28



Scale globally via franchise / licensing of ZENSTAC

FY 29



Platform expansion

Ongoing



Expand to **20,000** vehicles, ensure fleet uptime



Sign **2** major e2W OEMs, optimize EMS, build platform layer



Offer EaaS + MaaS bundle to large QC infra players









SE Asia, GCC, Africa — partner-led model with EMO tech & training



Faster Charging, Next Gen Thermal management, EMS analytics layer

FOCUS AREA

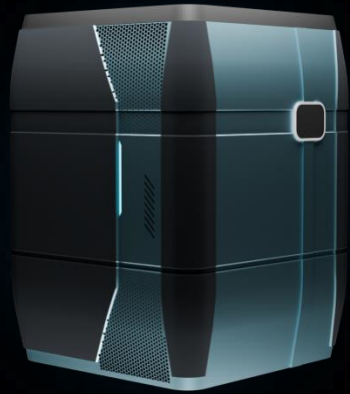
BATTERY PACK VARIANTS

	R&D	Pilot	Vehicle Certification	Mass Production	Applications
2 - 20 kWh zen PAC Light Mobility - LV				 ~10K on road >2 yrs.	 2kWh NMC AIS Certified
20 - 200 kWh zen RIG Commercial - HV				~1000 on road	
10 - 1000 kWh zen STAC Energy Storage				~100 deployed	

80% Charge in 20 mins	5+ yrs Warranty	2000+ Charge Cycles
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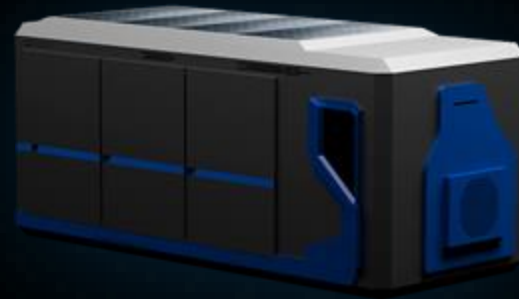
BESS VARIANTS

zenBASE



Residential, Office
10 - 30 kVa

zenSTAC



Commercial, Telecom
100 - 300 kVa

zenGRID



Backup, Industrial
1000 - 3000 kVa

ENERGY

10 - 4000 kWh

VOLTAGE

50 - 1,200 V

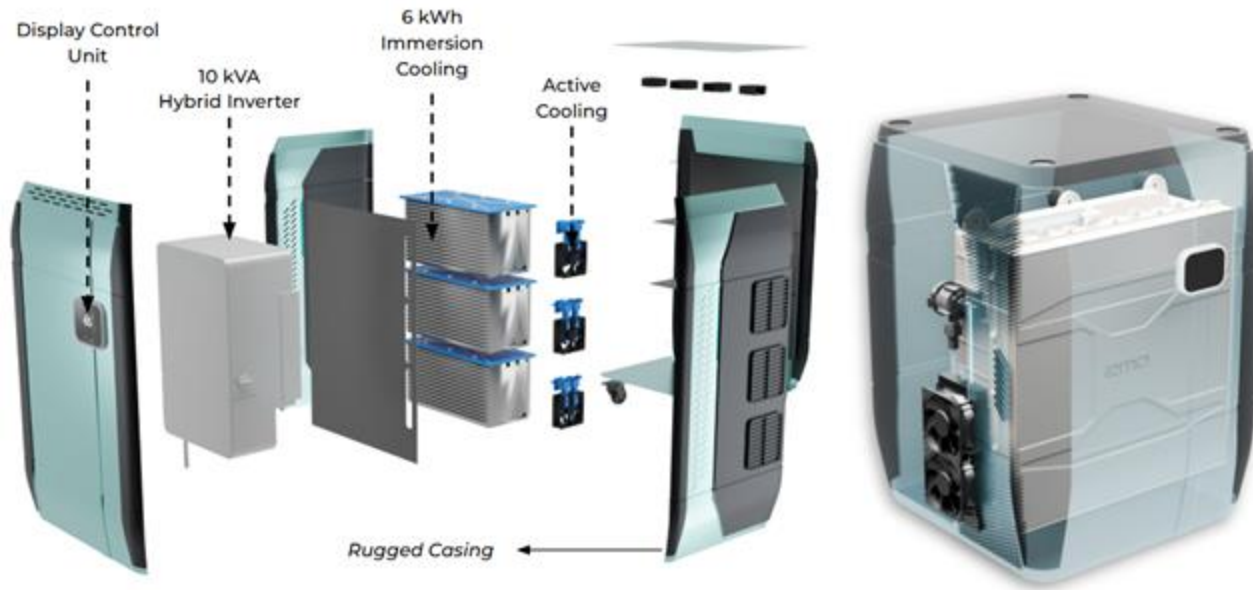
CELL

LFP, NMC 2nd Life

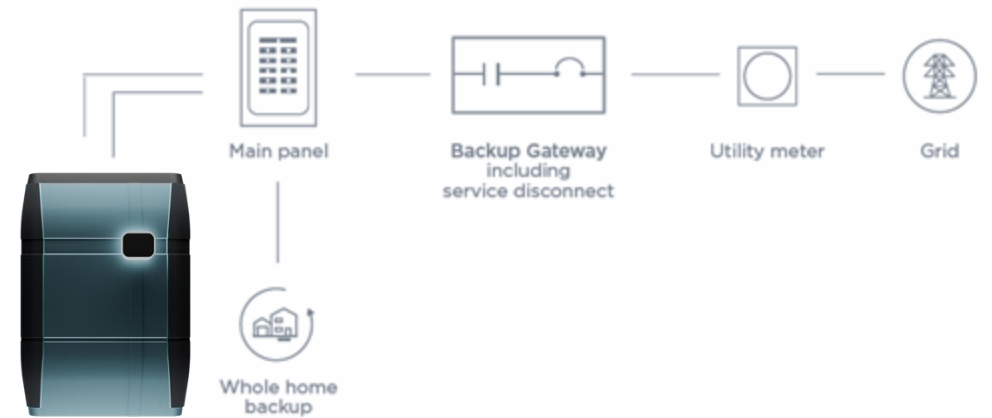
POWER

10 - 3000 kVA 95% Efficiency

BESS FEATURES



Exploded View of ZENBASE showing all components



ZEN BASE & STAC can be used with Solar & Grid and allows bidirectional connection

Nominal 1C / Peak
3C > **80%**
Efficient

Liquid Cooled LFP
/ NMC Battery, 2nd
Life Cells

Usable to **2x Ah**
Rating for **15**
mins

Metering,
Monitoring, Smart
Controls, App

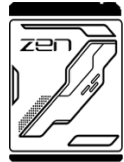
> **5** years
warranty, IP67,
Ultimate Fire Safety

INITIAL TALKS

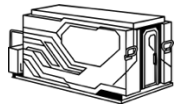
PILOT

CERTIFICATION

MASS SALE



ZenPac



ZenRig



ZenBase

Quick commerce



SENS



DEPLOYMENT

1,000 Packs Testing for
> 1 year AIS-038 Compliant

3/4
W

Company	Packs Supplied	Product
	7	72V NMC 30 kWh
	1	
	1	Tractor
	2	650V LFP 50 kWh Minibus
	2	
	250	50V LFP 5 kWh
	300	
	10	Cargo 10 kWh

2W

Company	Packs
	4000
	2200
	1500
	500
	450
Other Fleets	580

> 10,000
2W Packs in
Last Mile for
> 2 Years

AIS-156
Certified

ESS

Company	Packs	Product
	10	zenbase
	5	10kVa
	10	
	4	zenSTAC 30kVa
	1	
	1	zenSTAC
	2	250kVa

> 30 ESS
Deployed

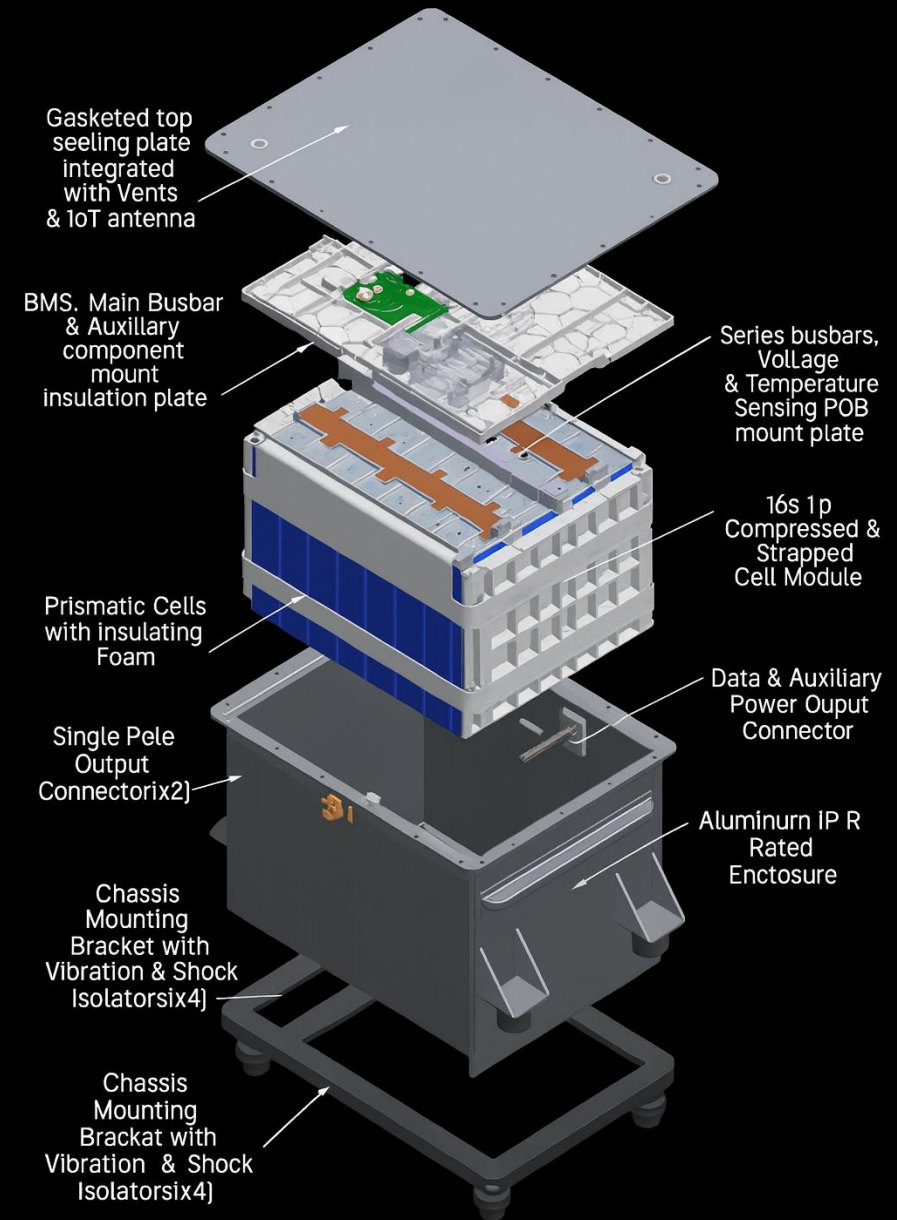
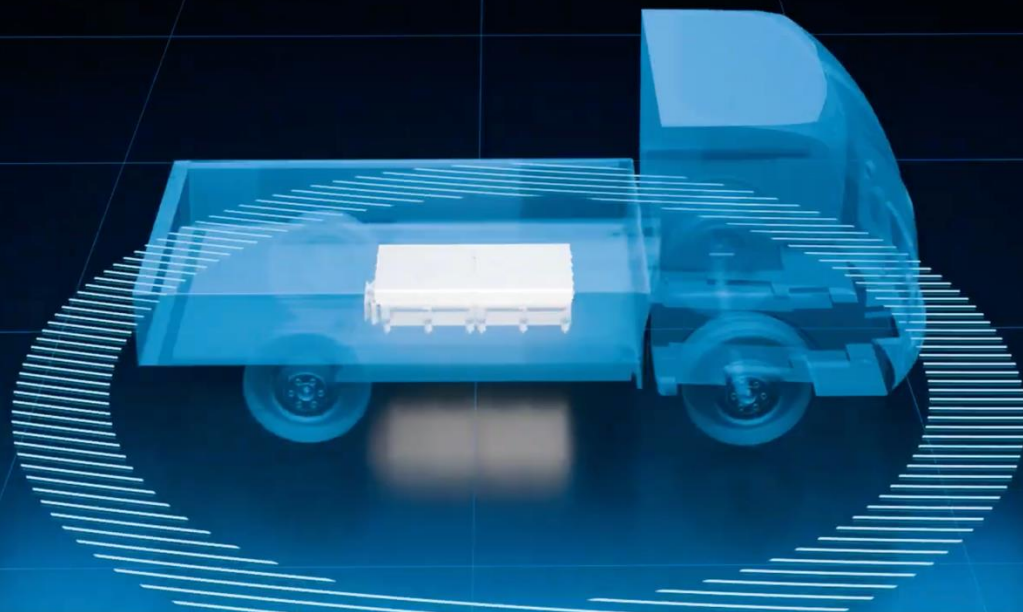
TATA LCV PACK

Immersion cooled 12kWh battery pack project with Tata ACE LCV

Launch in Feb'26

Mass Production by March'26, Starts at 15cr/ Month

Scaling to 30cr/ Month by Nov'26



ORDER PIPELINE



30 kWh, Tractor, in certification
Escorts, Tafe, Mahindra



60 kWh, Car, in testing
Nissan, Maruti, Tata



50 kWh, ESS, deployed
MG, Reliance



50 kWh, Minibus, under testing
Futran, PMI, Tata



10kWh LCV / ESS, certification
Tata, Havells



3kWh, 2W, testing
TVS, Hero Vida



MANUFACTURING

Fabrication Facility & Pack Assembly Plant in Mysore

> 180 MWh Capacity

60,000 Sq. Ft

46 Machines

104 Technicians

Plastic Injection, Casting Inhouse

Semi Auto LFP Assembly, Quality



Semi automated Assembly Line



Casting



CNC Machining, Sheet Metal Fab



Injection Molding



LASER WELDING



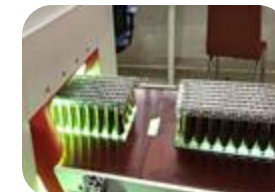
CELL SORTING



COMPRESSION



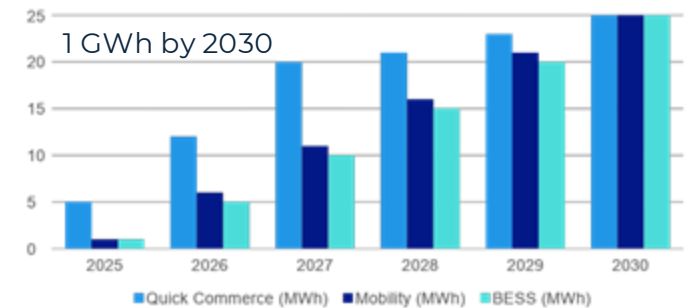
PACK CYCLING



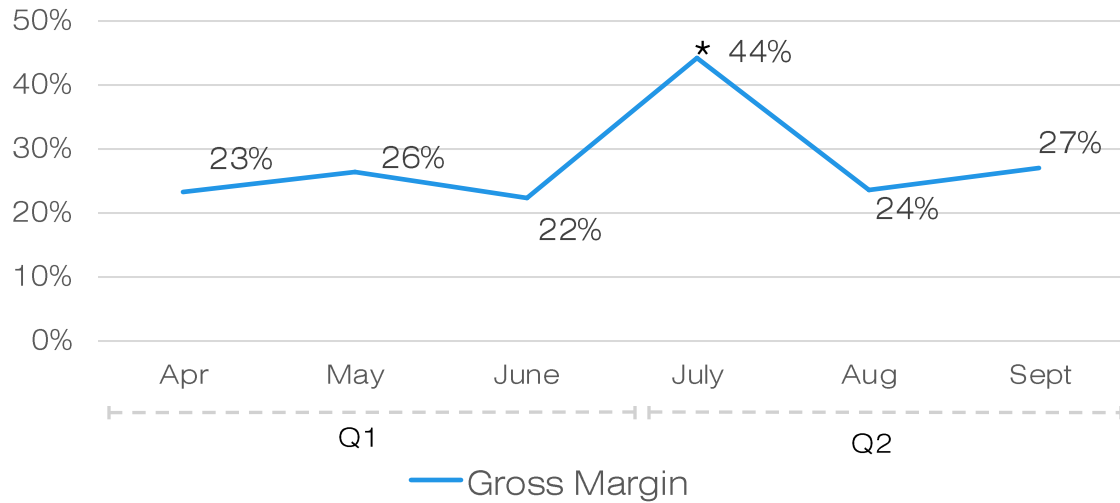
UV CURE



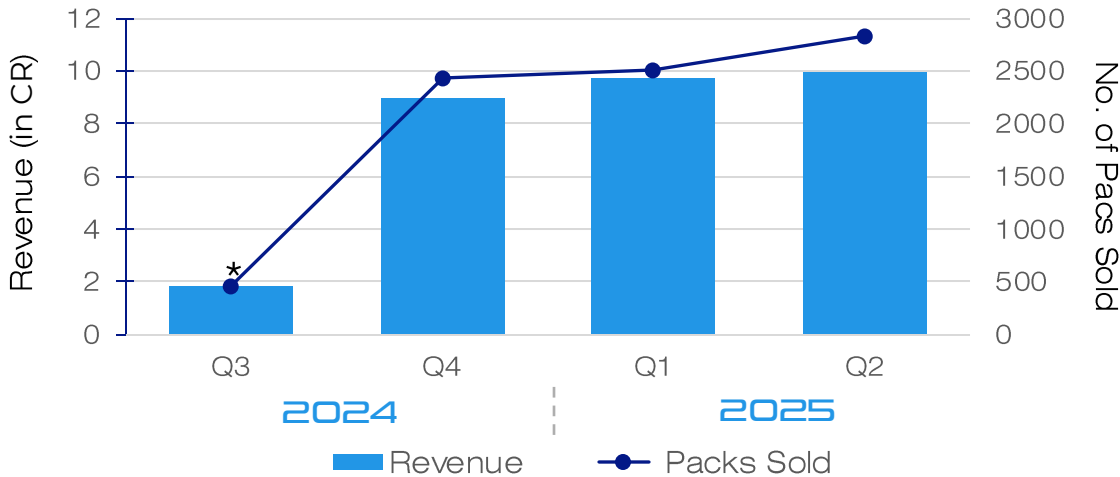
Setup for new Line



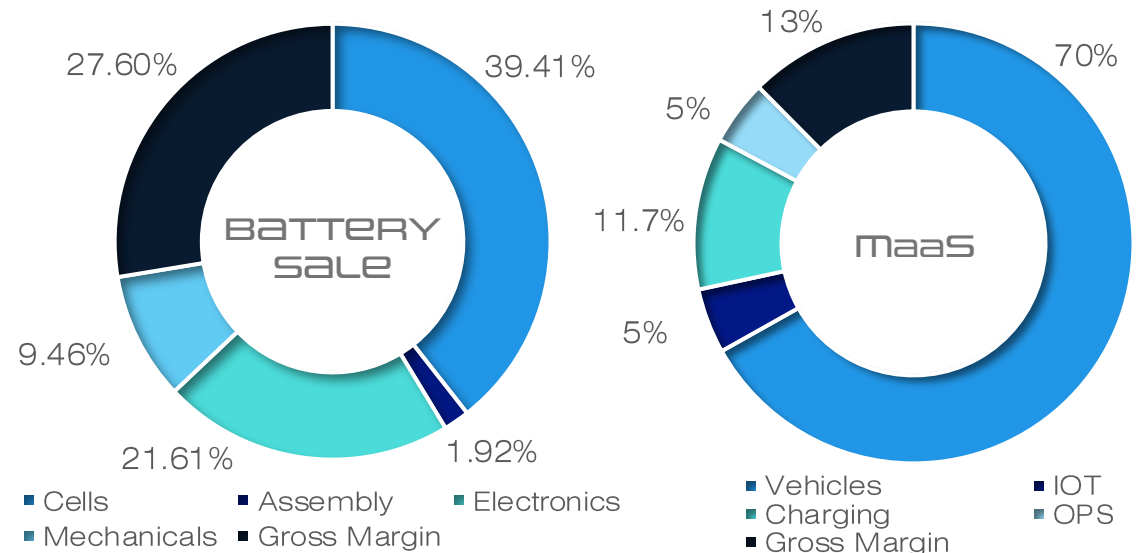
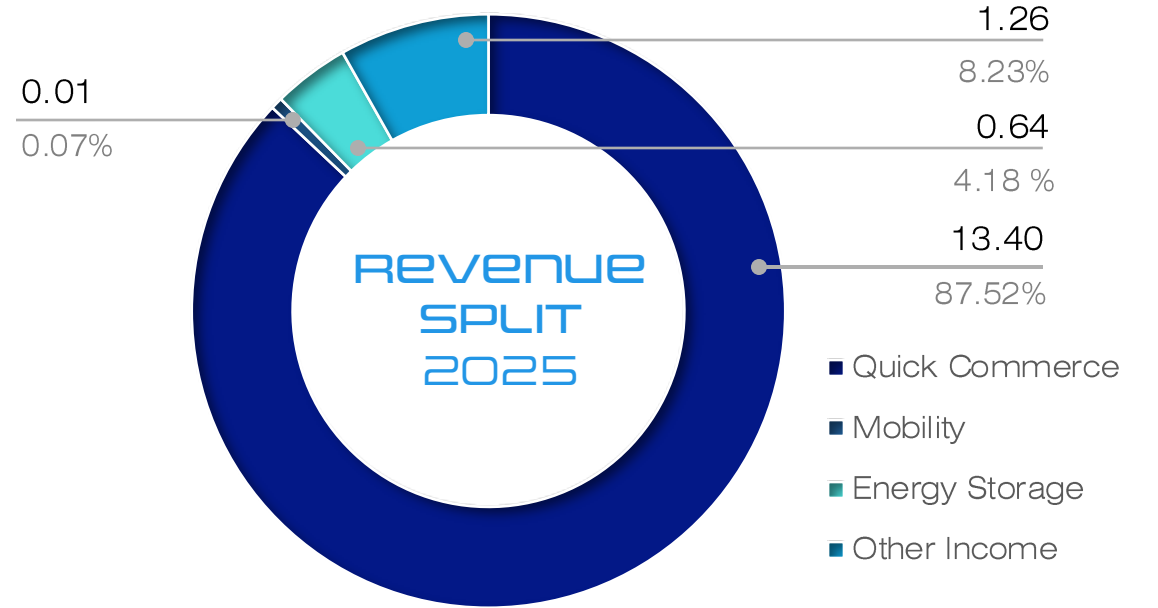
FINANCIAL HIGHLIGHTS



* Software revenue through dominos



* Raised funding in Q3, boosting manufacturing & driving revenue growth.




FINANCIAL PROJECTIONS

DETAILS	FY 24-25	FY 25-26	FY 26-27	FY 27-28
Quick Commerce	₹13.40	₹58.73	₹221.27	₹395.76
<i>Battery sale</i>	12.49	42.92	124.16	175.96
<i>MaaS</i>	0.91	15.70	97.11	219.80
Mobility	₹0.09	₹0.01	₹159.25	₹262.10
Energy Storage	₹0.55	₹0.40	₹9.56	₹56.00
SENS	0	₹4.25	₹5.04	₹10.97
Other Income	₹0.53	₹1.15	₹1.82	₹2.52
Revenue (in Cr)	₹14.57	₹64.55	₹396.94	₹727.35
GM %	12.57%	27.37%	29.47%	33.71%


Team

India's smartest talent in energy transition



RAHUL PATEL
CTO

MS IIT-B, 12 yrs. Exp.
Ola, GM, Sun Mobility




SHEETANSHU TYAGI
CEO

MS Virginia Tech, 8 yrs. Exp.
Rivian, Ola, Ather, Alta



122
Total

40
RnD




MUDIT
Head Software

14 yrs Exp.
Log9, Cell Prop, Indus





ROHAN
Lead Mechanical

8 yrs Exp.
Ather, Ola, Great Wall
CH

MRINAL
Head Sales

16 yrs Exp.
Kazam, NPST




REVANTH
Lead Finance

6 yrs Exp.
Amara Raja, Metro





ONKAR
Lead Business &
Strategy

6 yrs Exp.
Ador, Quench, EI





ROHIT
Lead Design

8 yrs Exp.
Siemens, Frog

PREETHI
Head HR

3 yrs Exp.
Deep Byte




RAGHAVA
Lead Sourcing

8 yrs Exp.
Log9, Kia



An aerial photograph of a city, likely Mumbai, India, showing a complex network of roads and buildings. The image is heavily stylized with a dark blue, semi-transparent overlay that gives it a futuristic and industrial feel. The text is centered over the image.

emo ENERGY

onkar@emoenergy.in

+91 9821484097

Miscellaneous



Opposite BlinkIT Dark Store

CHARGE in 20 mins

emo
energy

SWIFT CHARGE in 20 mins

SWIFT CHARGE in 20 mins

emo
energy





emo ENERGY

SWIFT CH2 in 20 mins

emo ENERGY

SWIFT

hager

hager

emo ENERGY





Data Center Energy
Storage
For Reliance



EMO's patented liquid cooled battery pack

LTV 2ND LIFE

After a period of 4 years


**BUYBACK
 BATTERY PACK**
₹6K (₹3K / kWh)


SOLAR


INVERTER


BESS

COST
₹500,000

Darkstores on avg
consume 500
units a month

25% savings/day for the Darkstore

125 units x ₹7 /units = **875**/day

875 x 4 yrs = **12,77,500**

NET = **7,91,000**

EaaS FOR DARKSTORE

₹1.5K
/ Pack

EMO buys back
the BESS after 4
years for recycling


RECYCLE

ROC –
158.2%

Energy-as-a-Service to the darkstore for a
period of 4 years