

UZAQ

Hybrid | Electric | Drivetrain

The Problem

UZAQ

Key Challenges in the Automotive Market

The Shift from ICE to Fully Electric Vehicles is facing Significant Hurdles



Internal Combustion Engine Vehicles (ICE)

- High Fuel Costs
- High Emissions
- Higher Taxes

Fully Electric Vehicles (FEV)

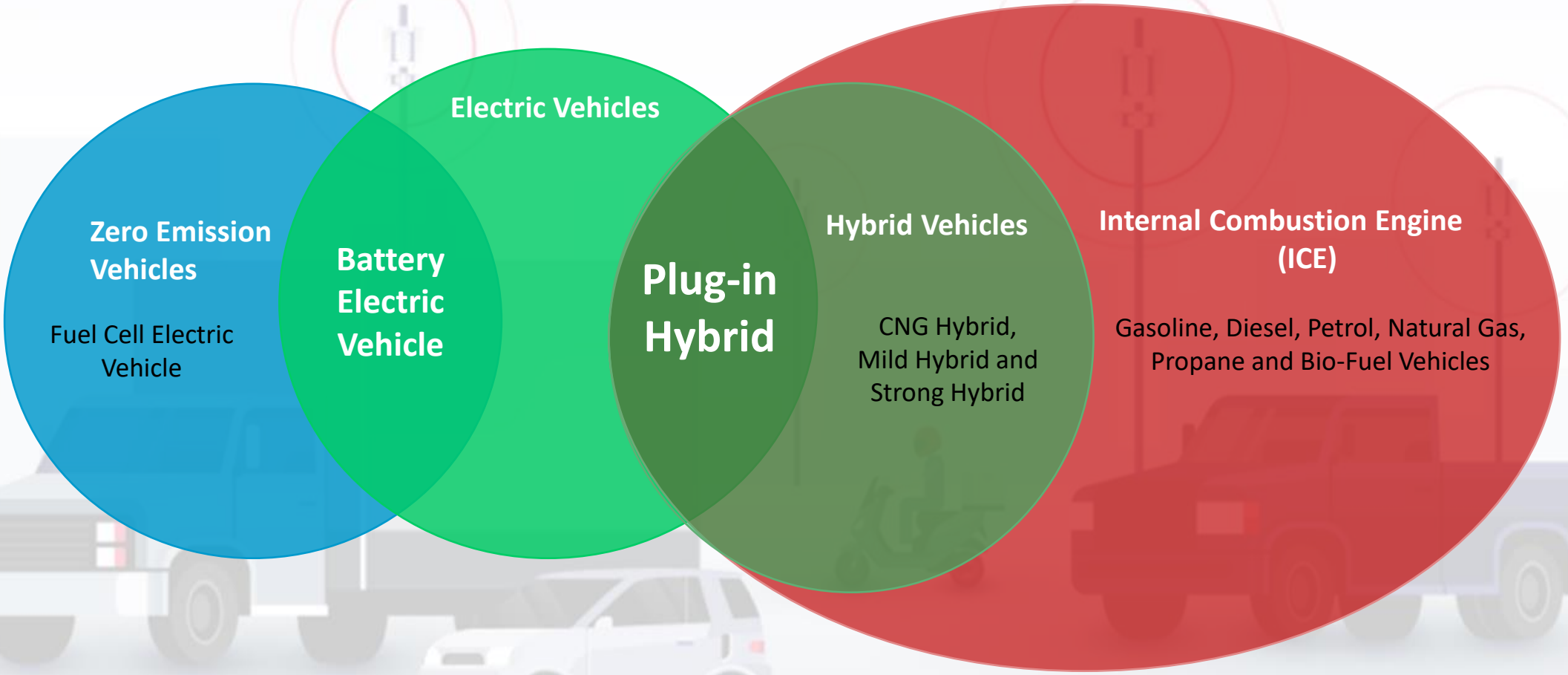
- High Upfront Costs
- Higher Recharge time
- Limited Charging Infra
- Limited Payload Capability

Customer Expectation
(Opportunity for Innovation)

- Convenience of ICE
- Efficiency of Electric
- Reduced Emission
- Reliable Technology

Vehicles by technology Type

UZAQ



Problem: Indian OEMs lack Hybrid tech

UZAQ

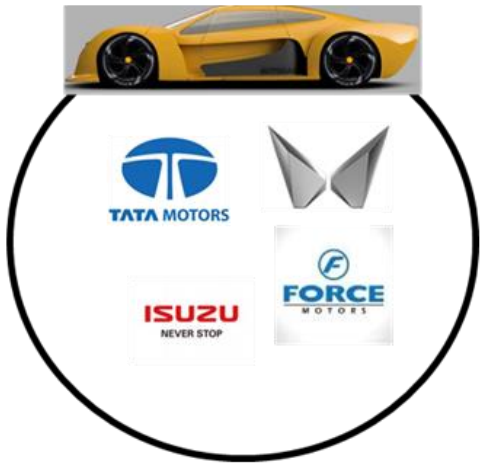
Challenges faced by OEM's

- System Complexity
- Packaging Constraints
- Software and Control Systems
- High Development Costs
- Shortage of Talent

Indian OEMs





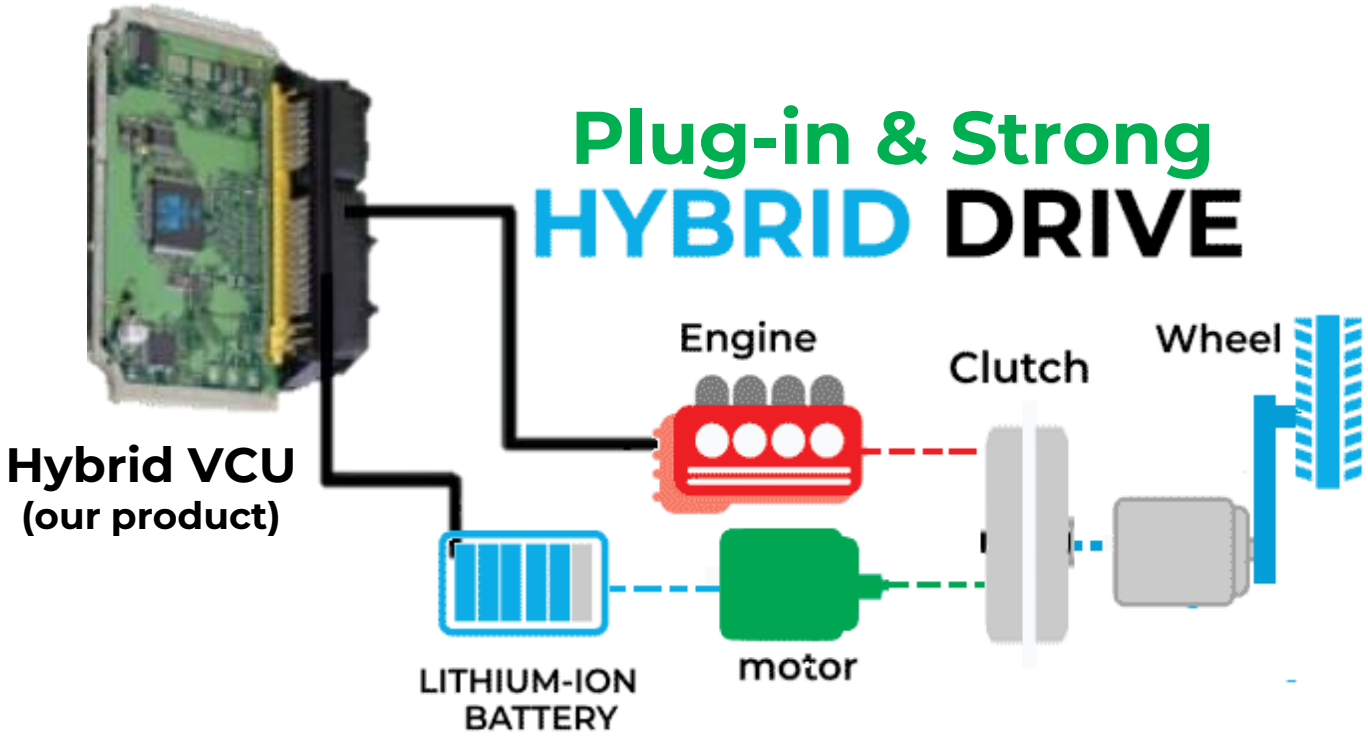




Solution: Our intelligent Hybrid tech

We offer our Hybrid VCU & Hybrid gearbox to Indian OEMs (B2B)

UZAQ



Our Hybrid Tech = VCU + Firmware + Hybrid Gearbox

Our Intelligent Hybrid VCU ensures:

- High efficiency Engine operation
- E-motor drive for very low emissions
- Wall charging + Charge by engine

Our **patented Hybrid Gearbox** mechanically adds power from motor & engine to the wheels

Our **Hybrid Vehicle Control Unit** (VCU) is responsible for intelligently controlling the working of both engine and Electric motor in vehicle

USP : Redefining Efficiency and Performance

UZAQ

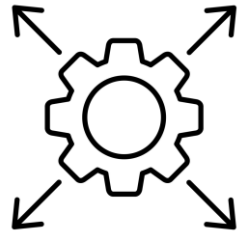


Best of Both World's
Electric Efficiency and ICE Convenience

+59%

Mileage Efficiency

Fuel Savings, No Compromise
Optimise energy use without compromising performance or driving range



Scalable Platform
From compact cars to heavy-duty trucks, our HEV technology can adapt to any vehicle.

-50%

CO2 reduction

Reduced Emission, Cleaner Future
Optimise energy use without compromising performance or driving range

20-30%

Regenerative Efficiency

Advanced Energy Recovery
Our system includes regenerative braking technology that recaptures energy, further enhancing efficiency and extending the range of electric driving.

Market Size

UZAQ

TAM

Average spend on Hybrid VCU : $ 65 for 2-wheelers

Annual Global 2W sales is 50 million Units - **$ 3.27 Billion**

SAM

In the next 3-4 years our focus would be on India's **2-wheeler Market (Motorcycle)**

Annual Sales : 11 million units – **$ 715 million**

SOM

Within this addressable market, we aim to capture 1% during our early adoption phase

Annual Sales : 110,000 units – **$ 7.15 million**

Go-to-Market

UZAQ

Pick a Market	Ideate	Validate	Establish	Consolidate
Target Early Adopters	Develop Prototype Demonstrators	Paid Pilots	Forge Alliances	Capitalise
• Focus on Commuter Motorcycle & scooter OEM's • Where Fuel Efficiency & Affordability are priority.	• Build and showcase prototype demonstrators. • Allow OEMs to experience tangible benefits of Uzaq's Hybrid Drivetrain & capability	• Collaborate with leading OEMs to implement paid pilot projects • Show tangible benefits such as improved fuel efficiency through load shifting and kinetic energy recovery, offering a clear ROI for OEMs.	• Forge alliances with Tier 1 suppliers and local manufacturing partners to streamline integration and ensure cost-effectiveness in production.	• Position Uzaq as a solution provider to help OEMs comply with stringent emission norms without the immediate leap to fully electric platforms.

Building Momentum

UZAQ

Paid Pilot Programs

Hero MotoCorp Ltd

- ✓ Discussion for paid pilot initiated
- ✓ Strong interest indicated
- ✓ Proposal Sent
- ✓ Onboarding complete
- ✓ Agreement sign-off
- ✓ Purchase Order Received
- ✓ Project Initiated

Patents





6

Filed

2

Granted

Milestone Highlights:

- ➢ Focused on building strong relationships with key industry players and finalizing pilot programs.
- ➢ Finalizing paid pilot agreements, progressing patent filings, and initiating the first pilot deployments

Roadmap

UZAQ



Two Wheelers

- **Urban Commuting:** Enhance range and efficiency for electric scooters and motorcycles.
- **Benefits:** Lower emissions, extended range, and reduced fuel consumption.
- **Example:** Hybrid electric motorcycles for city deliveries.



Three Wheelers

- **Last Mile Connectivity:** Optimize fuel efficiency for 3-wheelers used in urban transport.
- **Benefits:** Cost-effective operation, reduced emissions, and better mileage.
- **Example:** Hybrid three-wheelers for short-range delivery services.



Light Commercial Vehicles

- **Fleet Management:** Implement VCU to optimize fleet operations, reducing overall operational costs.
- **Benefits:** Increased range, lower fuel costs, and improved logistics efficiency.
- **Example:** Hybrid delivery vans for logistics companies

Business Model

UZAQ

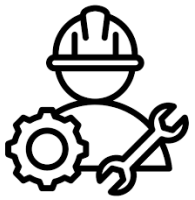
Revenue Streams



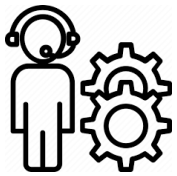
Paid Pilot Programs
(₹ 10 Lacs - ₹ 1 Cr)



VCU Sales
(₹ 4K - ₹ 8K)



Engineering Services



After-market revenue
Maintenance & Software Updates for Hybrid systems

Key Partnerships

- **Tier 1 Suppliers**: Manufacturing and distribution.
- **OEMs**: Co-development and integration of solutions.
- **Regulatory Bodies**: Ensuring compliance with emission standards.

Growth Strategy

- Niche focus on two-wheelers as a beachhead market.
- Expand to 3-wheelers and light commercial vehicles.
- Leverage regulatory trends and incentives for hybrid adoption.

Target Customers

- Two-wheeler OEMs, particularly in emerging markets.
- Early adopters focused on reducing emissions and improving fuel efficiency.

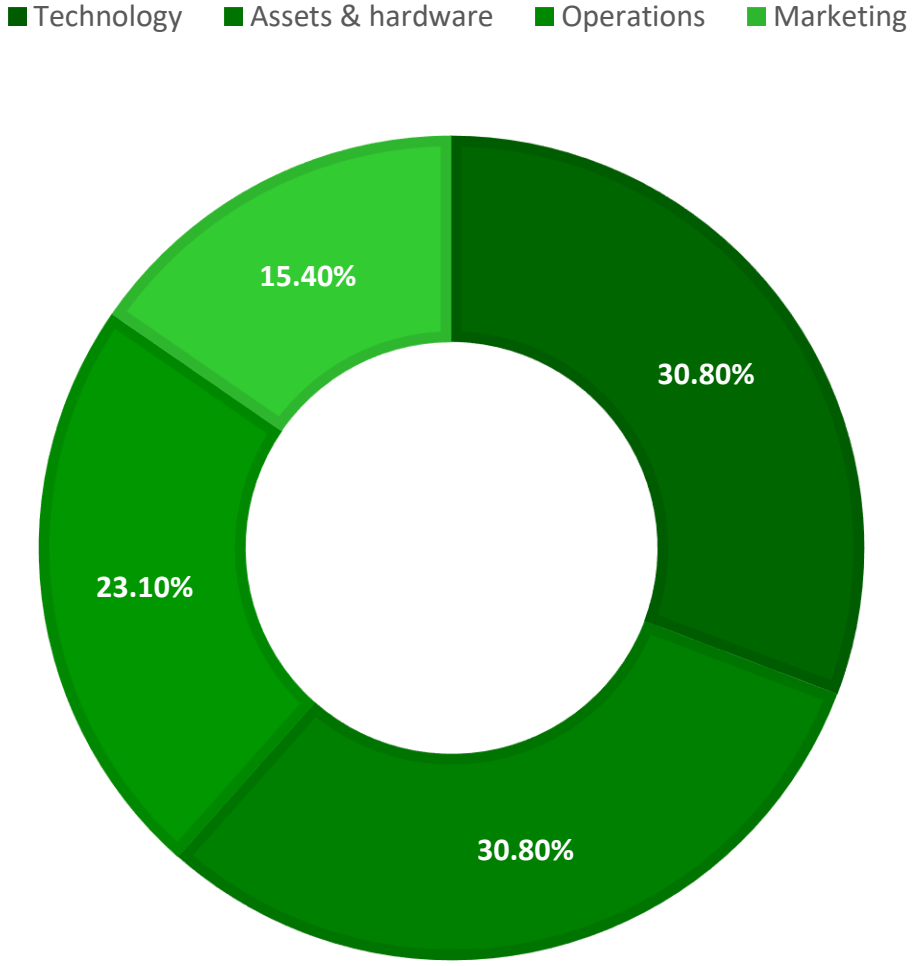
Our Ask

UZAQ

$ 500,000

- Tooling and Production grade product
- In-house test facility
- ARAI testing & certification
- Patent filing & software copyrights
- Marketing at events
- Develop Demonstrators for 3-wheelers

UTILISATION



Founding Team

UZAQ



Saurabh Kumar

IIT Kanpur, Mechanical

BTech + MTech, 2011

12 years+ @ TVS & Mercedes Benz

Hydrogen & Hybrid electric vehicles

Serial Innovator: 26 patents filed



Deven Sharma

Newcastle Uni. UK.

MS in Electrical Power, 2014

12 years+ @ GE & Mercedes Benz.

Hybrid & electric cars testing, Industrial Automation & design

Power plant Operations and management



Rohan Yajurvedi

IIM Indore, MBA

12 years Management experience,

Head of Strategy Bolt.earth

Raised Series A $4mn at Bolt.Earth and $20mn Convertible for Series B.

Chief of Staff to CEO at Forbes & Company India

TVS

FORBES

Microsoft

Shapoorji Pallonji
Built to last... since 1865

BOLT.EARTH

UZAQ

Made in India, For the World

Let’s Discuss!

Contact us at
contact@e2svd.com

Call us at
+91 988 666 1345