

Silent killers

Eating the Earth

What Will Next Gen Get



POLLUTION

7 Million Deaths per Year caused by pollution due to burning of Fossil Fuels



PLANET

5 Million Deaths per Year attributed to Global Warming



POVERTY

22,000 Children Die Every Day due to Poverty

The World 'Moves' in a Dangerous way



6X more
Pollution

Emitted by 2/3
wheelers
as compared to Cars

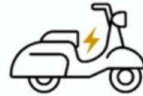
5 TON
CO2

Emitted by a Car
in an Year

6 TON
CO2

Generated by
Production of 1 new
vehicle

There is an Urgent need to shift from Cars to Smaller Electric Vehicles



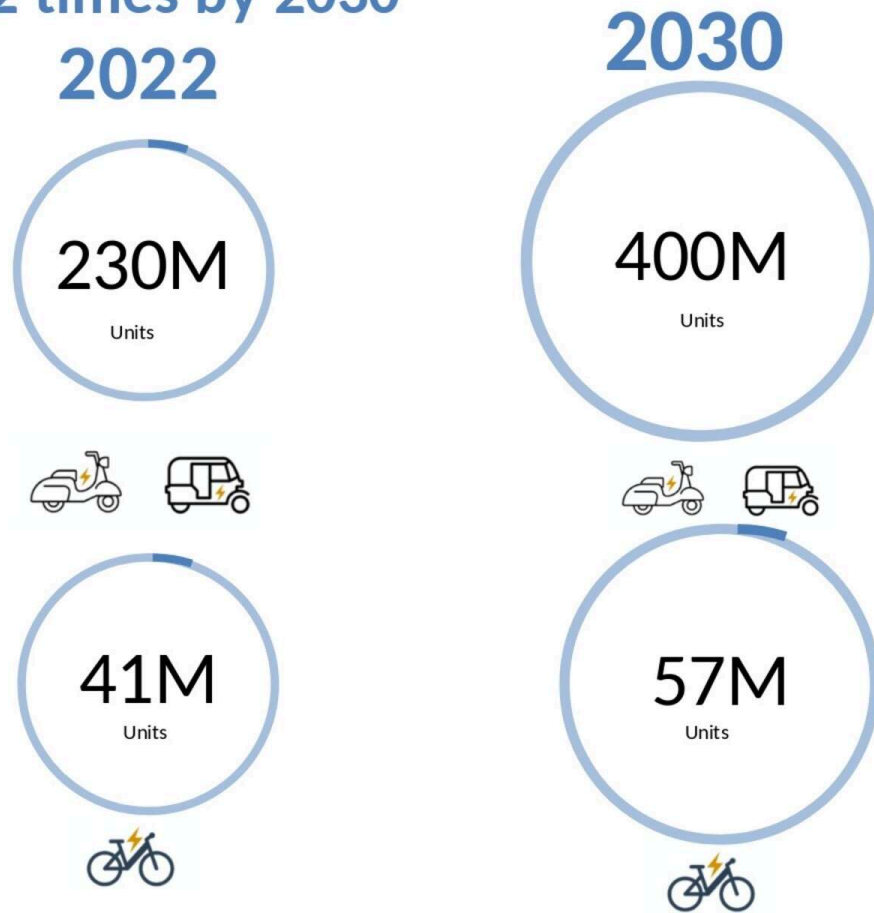
A **growing** number of workers will gravitate toward **smaller, more environmentally friendly** forms of transport as pandemic restrictions lift and offices reopen

McKinsey Center for Future Mobility, 2021

To limit warming to **2 degree or less**, more than **400 Million 2 and 3 wheelers** need to be **electrically** powered by 2030

Paris Declaration on Electro Mobility, COP21

Demand for Smaller Electric vehicles will be 2 times by 2030



Paris Declaration on Electro-Mobility and Climate Change & Call to Action *Lima – Paris Action Agenda*

Transport contributes almost one-quarter (23 percent) of the current global energy-related greenhouse gas (GHG) emissions and is growing faster than any other energy end-use sector. GHG emissions from transport are anticipated to rise from today's levels by nearly 20 percent by 2030 and close to 50 percent by year 2050 unless major action is undertaken.

Limiting the global temperature increase to below 2 degrees Celsius requires changing this transport emissions trajectory, which involves the development of an integrated electro-mobility ecosystem encompassing various transport modes, coupled with the low-carbon production of electricity and hydrogen, implemented in conjunction with broader sustainable transport principles.

According to the International Energy Agency, this transition will require, inter alia, pursuit of global rail transport electrification, already underway, as well as **at least 20 percent of all road transport vehicles globally to be electrically driven by 2030** – if warming is to be limited to 2 degrees or less. Of this, light vehicles would primarily contribute: more than 400 million two and three-wheelers in 2030, up from roughly 230 million today; and more than 100 million cars in 2030, up from 1 million today.

To achieve this goal IEA modelling says electric drive vehicles (battery-electric, plug-in hybrid, and fuel cell vehicles, including two and three wheelers, cars, light commercial vans, buses, trucks and others) need to represent 35 percent of global sales in 2030.

We, the undersigned, acknowledge the scale of the challenge and the scope of opportunity.

With varying mandates, capabilities, and circumstances, **we commit to advance our work individually as well as collectively wherever possible to increase electro-mobility to levels compatible with a less-than 2-degree pathway.**

We also call on governments at all levels, businesses, cooperative initiatives, and others to commit to this Declaration, take action, and advance global momentum for electro-mobility.



But That Leads to Another Catastrophic Problem

75%

Electric vehicles with
Magnet Based Motors



50%

Bikes with Magnet
Based Sensors



2000 Tons of Toxic
Waste &
60Tons of CO2

Generated to Produce 1 Ton
of Magnet

Democratising Sustainable Mobility

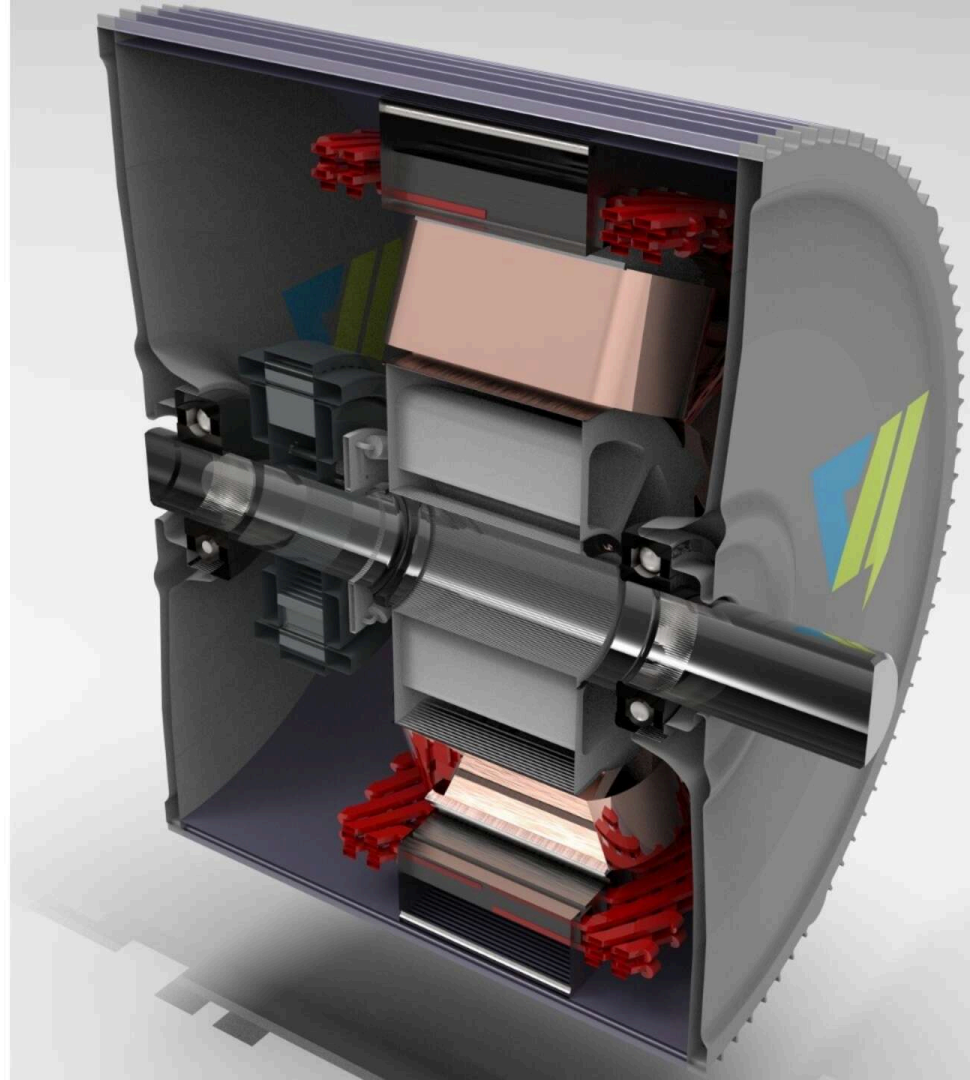


Fewer Cars, More Freedom, Cleaner Planet

World's First Magnet Free Motor that outperforms Magnet Based Motors

Synchronous - Externally Excited Machine - SEEM

- Patent Pending (US/India)
- Reduces Reliance on Rare Earth Minerals
- Helps Solve Supply Chain Issues
- Reduces Upfront Cost of Drivetrain
- Improves Efficiency and Reduces CO2 emission
- Highly Versatile and Modular
- Both Mid drive and In Wheel Configurations Possible



Dragon (Magnet Free) vs Other EV Motors

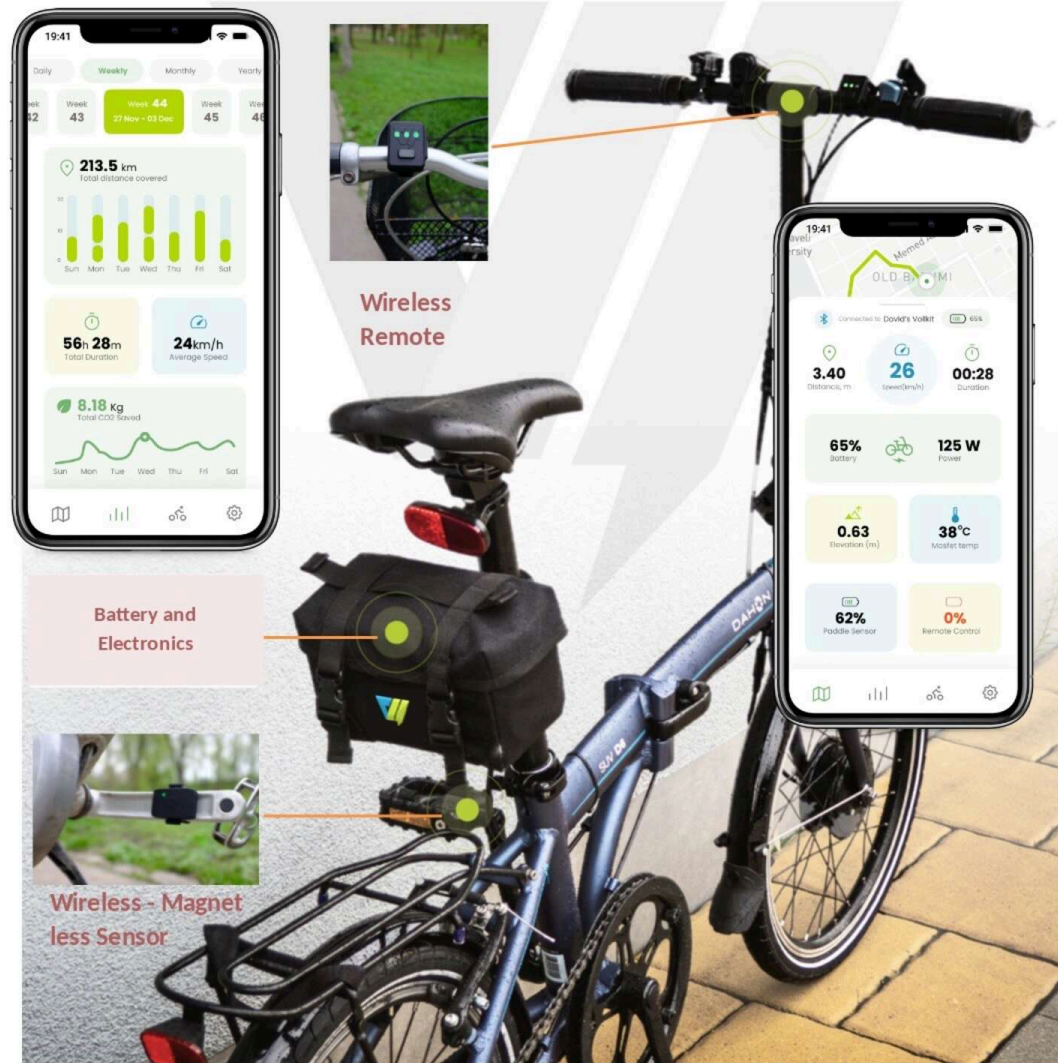
Most Power Dense Motor in Market

Parameter	Volektra Dragon	Magnet Based - Mid Mount	Magnet Based - In Wheel	Syn RM	AC Induction Motor
Magnet Free	✓	✗	✗	✓	✓
Relative COST as compared to Magnet Based In wheel Motor	75.00%	90.0%	100.0%	80.0%	60.0%
Power per Kg (kW/Kg)	2.01	1.9	1.7	1.4	1.8
Power Density (kW/L)	20.00	17.0	9.0	7.0	15.0
WLTP 2 Efficiency	89%	less than 88%	88.00%	87.00%	86.00%
Sensorless Operation in full range	✓	✗	✗	✗	✗
Rotor Temperature Measurement	✓	✗	✗	✗	✗

World's First Smart Wireless E Bike Kit with Magnet Less Sensor

Smart and Connected

- Patent Pending
- Reduces Reliance on Rare Earth Minerals
- Promotes Circular Economy
- Converts any Bike into Electric in 15 min
- Converts CO2 saved into Carbon Credits
- Reduces upfront cost of going Electric
- B2C and B2B Sales model possible



Volektra E bike Kit vs others

2 Times Better than others at Same price point

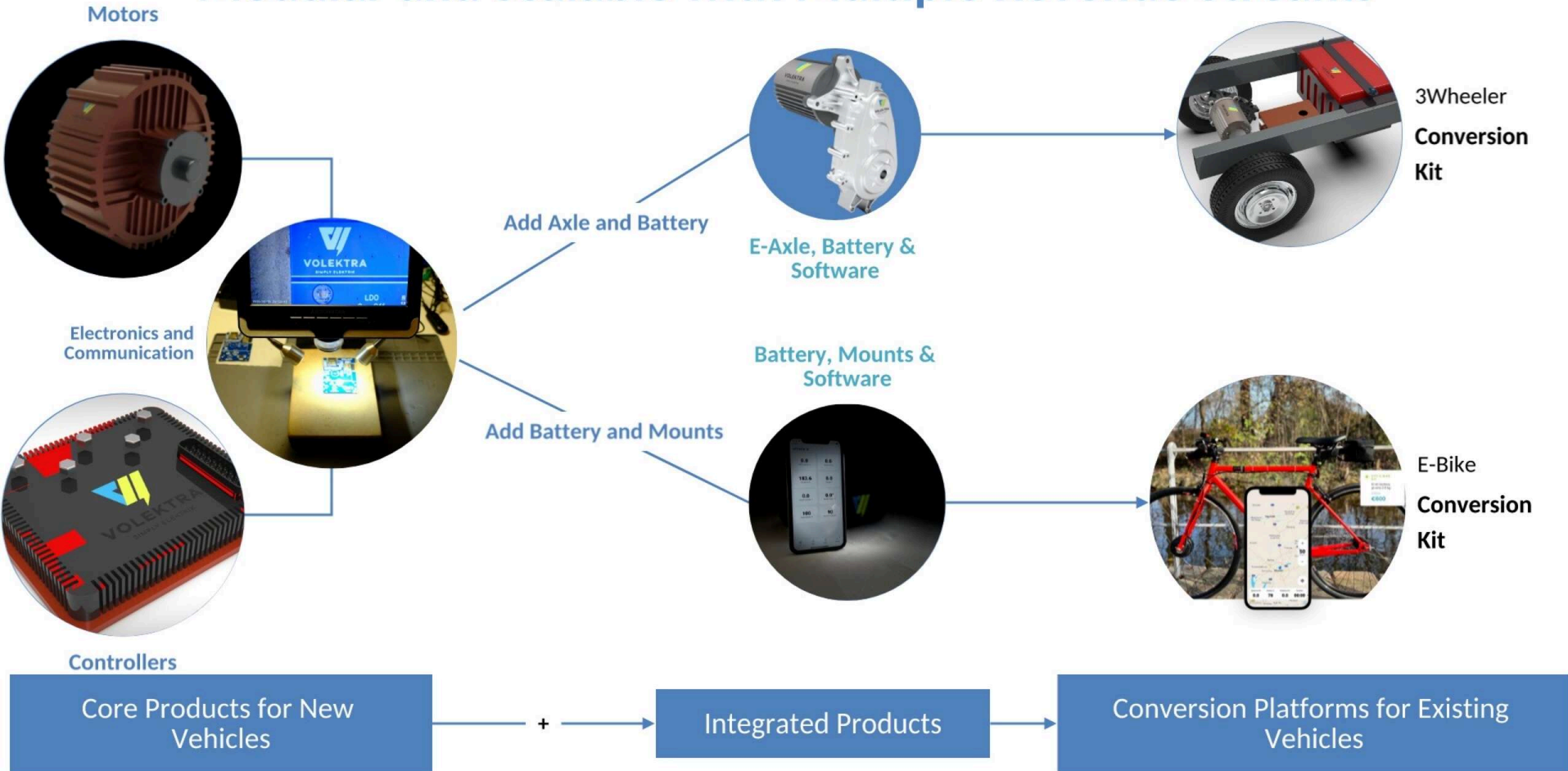
	Volektra
	EUR 650 for 50Km Range
	<i>Easiest (due to wireless connections)</i>
Price	
Ease of installation	
Connected Smart App	✓
Over Air Updates	✓
IOT platform	✓
Range	<i>up to 100Km</i>
Mounting Flexibility	Front/Rear or in any bag
USB charging for Phone/other devices	✓
Smooth Ordering and delivery experience	✓
Control System	<i>Real Time Field Oriented Control</i>
Weight	2kg
Antitheft	Dual lock for battery and kit
Assembly Location	Europe

EU & US Competition	Chinese Competition
EUR 800 (Pre Paid) for 30Km range	EUR 400-600 for 35 km range
Multiple Wire connections	Multiple Wire connections
✗	✗
✗	✗
✗	✗
up to 30 km	up to 35km
Only on handle bar	Frame
✗	⦿
✗	✗
Sine Wave Control	Sine/Square wave control
2kg	>3Kg
NO	NO
China	China

Volektra Kit vs E bikes

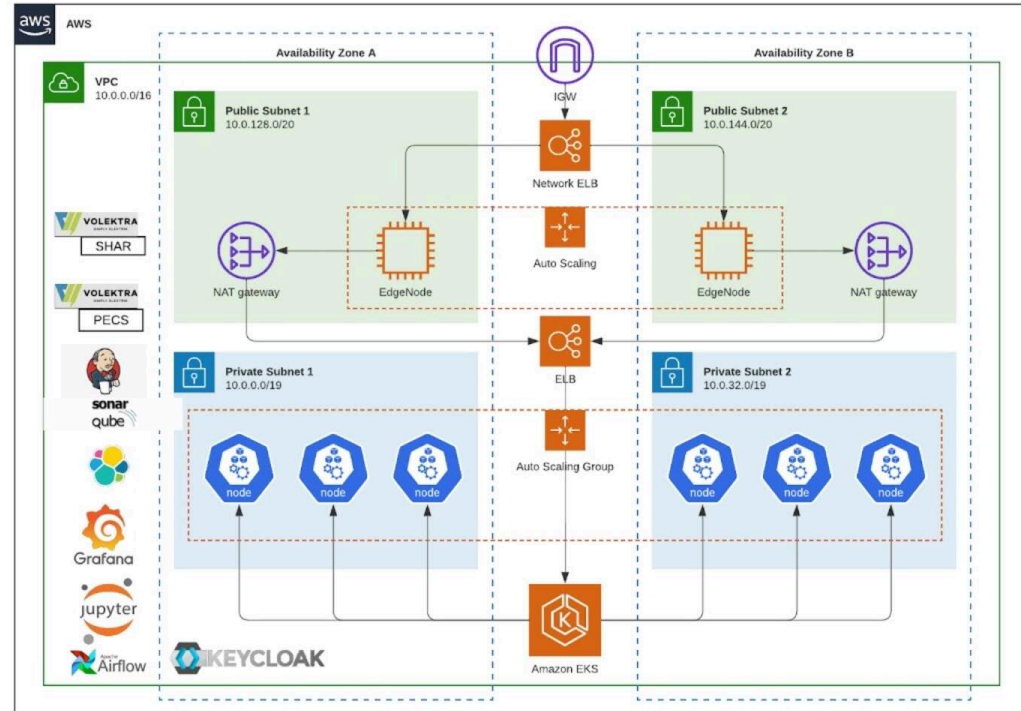
User Metric	Volektra	Competitor - Europe	Competitor - US
Price	EUR 650 for 50Km Range	EUR 2500 (Pre Paid) for 60km range	EUR 2800 for 70km range
Choice of Bikes	VAST	Limited	Limited
Switching cost of bike	LOW (kit can be used on multiple bikes)	High	High
CO2 footprint	Lower	Higher	Higher
Circular Economy	✓	✗	✗
App	✓	✓	✓
Range	up to 100Km	up to 60-150 km	up to 70km
Swappable battery	✓	✗	✓

Modular and Scalable with Multiple Revenue Streams



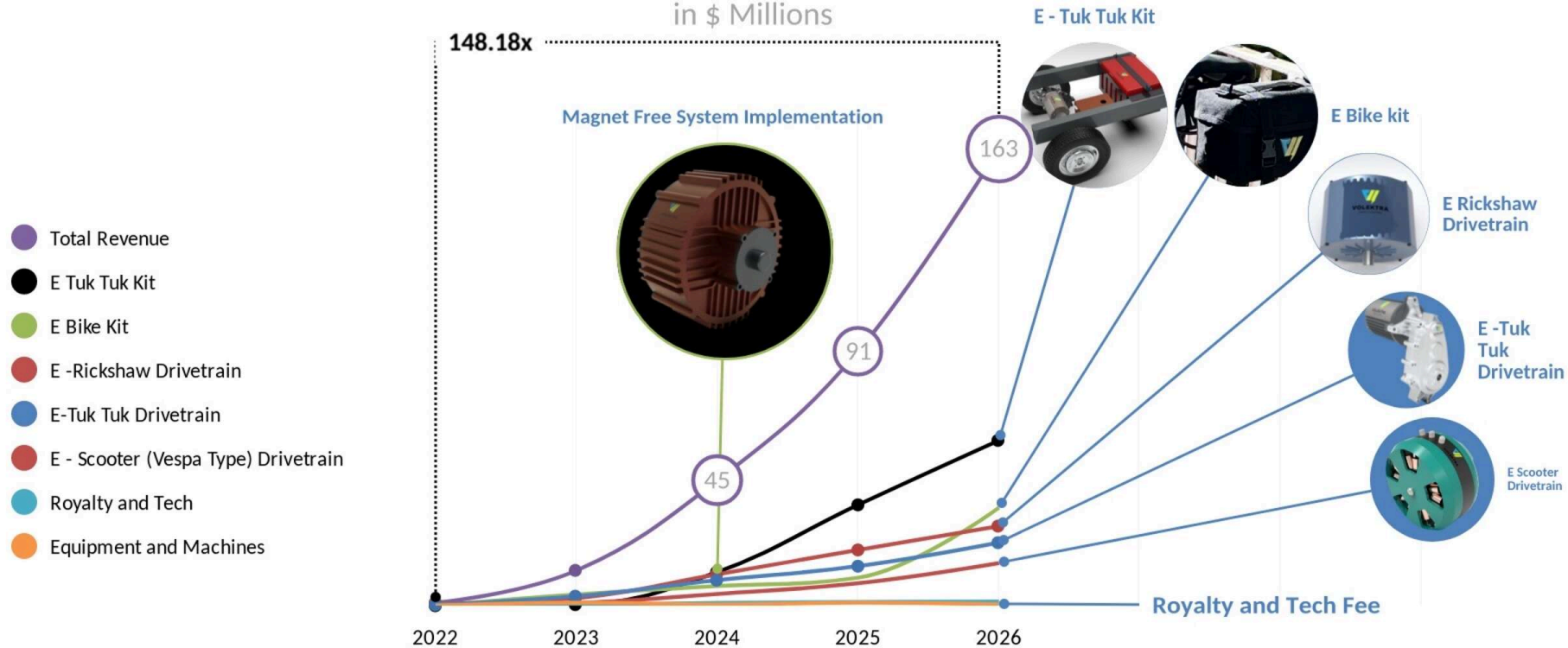
Enterprise Level Back End with AI Powered OS hardening

- Automatic Firmware Builds
- Automatic App builds
- OS hardening via proprietary AI powered hardening tool
- Scalable and enterprise Grade Security



Revenue Growth - 148X 2022-2026

in \$ Millions



Forward looking Projections are Estimates and not Guarantees

An Ounce of Execution is Better than Tons of Theory

Revenue 2022

\$1M

Orders for 2023 (Confirmed plus Projected)

\$5.0M▲ 500%

Patents Pending

5

Total Vehicles Converted

15,000

GHG REDUCTION/Year

30,000 kg

Forward looking projections are Estimates based on orders and not guaranteed till booked

With Strong Competitive Advantages

Both Legal and Strategic



Patent Protected

Our products are Patent Pending and have registered and pending trademarks



Tech Enabled Products

E-Bike Kits is **worlds 1st wireless bike** with **proprietary hardware and software**



Integrated Software and Hardware

Our Software is deployed on Our Hardware -
Everything just works



Vertically Integrated

We own the **key hardware items** and **produce them ourselves** - NO PATCHY Systems, Lower Dependency. **Strong Competitive MOAT**



Top Tier Team

Global team with **strong Execution** record



Exclusive Manufacturing Access

Manufacturing unit worth **\$2M** provides **capacity MOAT**

We are Present in all Key Regions - Ready to Scale



90+ years of combined experience in Automotive/Electronics and Software

TATA MOTORS



O P E L



SKODA

Northwestern
Kellogg WHU



MANISH SETH

Founder & CEO

15 years Automotive Exp
Btech, MBA

ERSTE
Bank



Northwestern
Kellogg WHU



MAREK HRIC

CFO

10+ Years of Finance and
fintech Experience



SOM SHEKHAR

VP – Software Development

15+ years of Data Science and
Platform Development, IoT



ALEKSEY SKURATOV

Chief Developer – Embedded System

10+ years of electronics and embedded
system development

ABB



LUIS PONT

**Head of Drive Design
- Motors and Controllers**

3+ years of core experience
with ABB



O P E L



GAURAV MEHRA

Head of Sales - India

10+ years of Sales Experience



WERONIKA RADTKE

**EU Sales and
Administration**

24 years of sales experience



PRASHANT KATKE

Head - Program Management

20+ years of Engineering and
Program experience, Certified PM



Supplemented with 100+ Years of Automotive, Battery and Semiconductor Experience



**PROF. DR. WALTER
COMMERELL**

Chief Engineering Advisor - Electric

Chairman of Supervisory board,
Phocos AG, Ulm (Germany)

Professor at University Ulm, Drivetrain
Systems and Energy Storage



DR. THOMAS SCHMITZ

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Engineering

Global Suspension Manager - Ford
PhD Mechatronics



JURAJ HRIC

Chief Software Advisor - Blockchain

Assistant Professor at University of New
South Wales, Financial Technology

Managing Director at ZYANZA
20 years of experience in finance and
technology



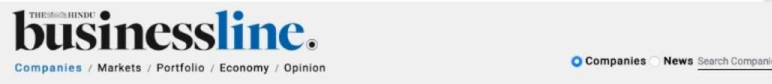
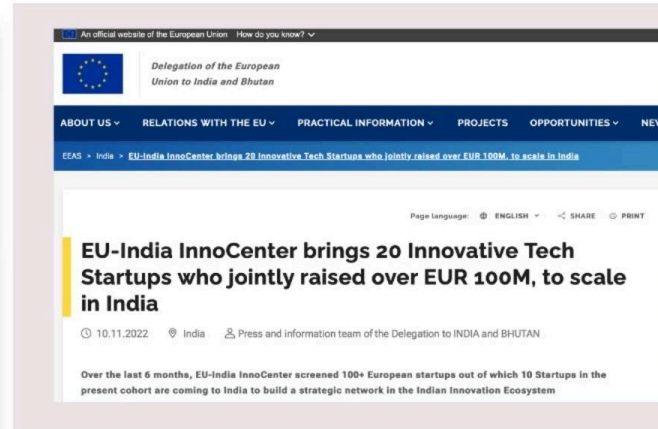
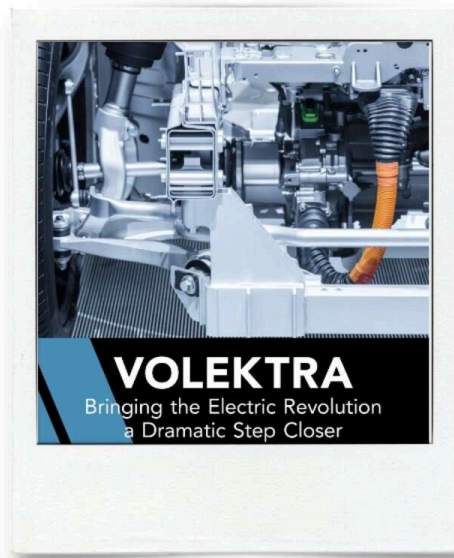
Vikas Choudhary

CHIEF ADVISOR - SEMICONDUCTOR DEVELOPMENT

Vice President - Psemi, Murata
Company Battery and Electronics Head -
Analog Devices

28 Years of Global Experience in
Electronics Industry

Receiving Substantial Media and Community Attention



Auto Ignition in pact with Germany's Volektra for advanced EV powertrain systems

July 19, 2022 - Updated 08:15 pm IST

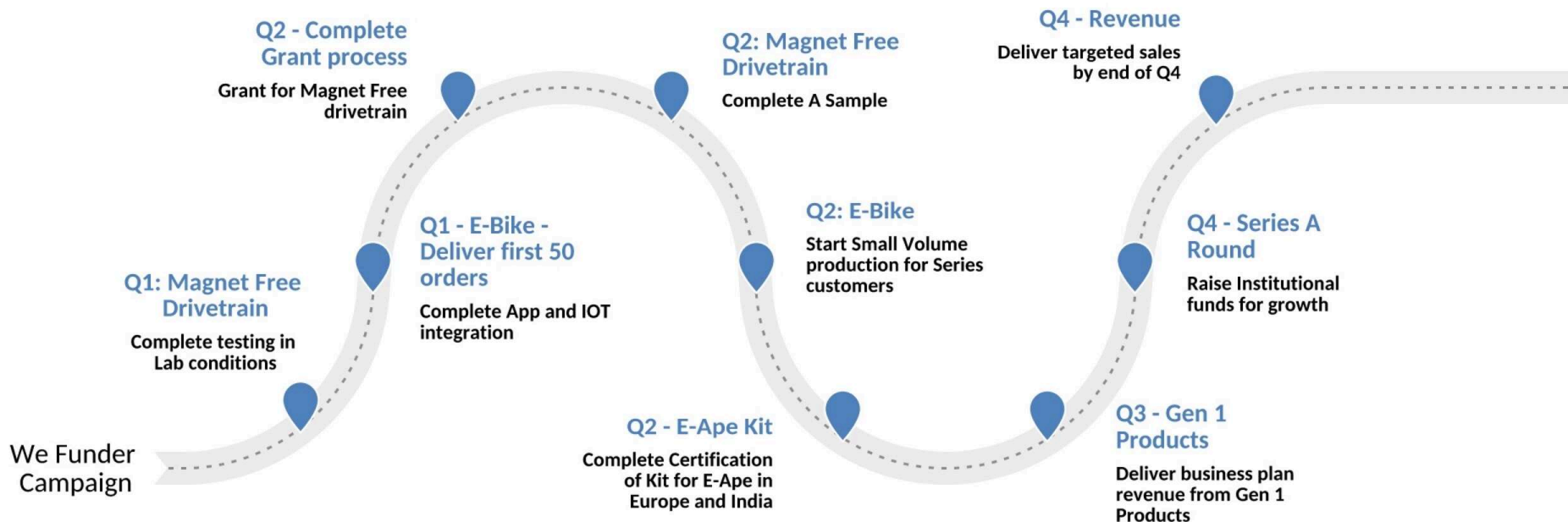
The agreement between the companies will provide complete electric mobility solutions in India

BY G BALACHANDAR



Our 2023 Journey with Your Money

Disclaimer - Revenue Projections are Estimates based on order book and not Guaranteed till booked





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