

Telescopic Current Collector – New Dynamic Charging system



Urban transportation systems that need be electrified

To reduce in-city pollution, prices, noise levels, and to enhance accessibility

BRT-Bus Rapid Transit



LRWT – Light Rubber Wheels Train



The next mode of public mass transportation – **ED-BRT**
Electric, Driverless, Bus Rapid Transit

Advantages:

- ❖ Capacity like Underground Metro (over 30,000 pphpd)
- ❖ Cost – 15% of Underground Metro, 30% of LRT
- ❖ Fast implementation
- ❖ Less use of land
- ❖ Less maintenance cost

Important note: Best efficiency with **Dynamic Charging** (as opposed to existing Static Charging)

Disadvantages of existing Static Charging

Highly Expensive



Limited Range



Extra weight-3 tons of Batteries for bus



Expensive Charging Stations



Lost time in recharge



eLinkAir's new TCC - Dynamic Charging

- For dual catenary ✓
- Electro-optic system – automatic control, driverless mode ✓
- Flexibility to leave-return to ERS ✓
- New patent pending design ✓
- Suitable to be installed on coaches, buses, midibuses, high vans ✓
- Much Smaller batteries required ✓
- 10% more efficient than simple BEV ✓



The **TCC** will also be compatible to **ERS** for coaches and large vans on eHighway (Intercity)

- No need to stop for recharging while driving on ERS (Electrified Road System)
- Reduce the need for large batteries - reduced price of eVehicles.
- Reduce distance anxiety
- Reduce need for fast charging stations
- Make electricity consumption smoother for the grid (less peak consumption)
- Promote fast deployment of charging infrastructure



eLinkAir

- **Status:**

International Patent Application filed;
Prototype (MVP) under development and road testing.

- **Time-schedule:**

Complete testing, readiness for homologation – Nov. 2023

- **What we look for:**

- ❖ Partners in the auto industry.
- ❖ Partners for making pilots and testing.
- ❖ Investors are welcome 😊
- ❖ Contacts with relevant institutions and municipal/government organs.

The Founders



Gad Haran

CEO

Over 25 years of experience in management positions in the industry.
CEO of Bateman Projects – international engineering and construction company, specializing in energy projects, power plants, O&G, and international infrastructures.
Energy Engineer & MBA



Yuval Isbi - PhD

CTO

PhD in Physics with more than 25 years combined, academic and industrial, experience in electro-optics, lasers, IR and visual imaging as physicist and system engineer. Co-founder at Railvision - a startup improving trains safety with electro-optics sensors and AI cognitive Vision.

Thank you!