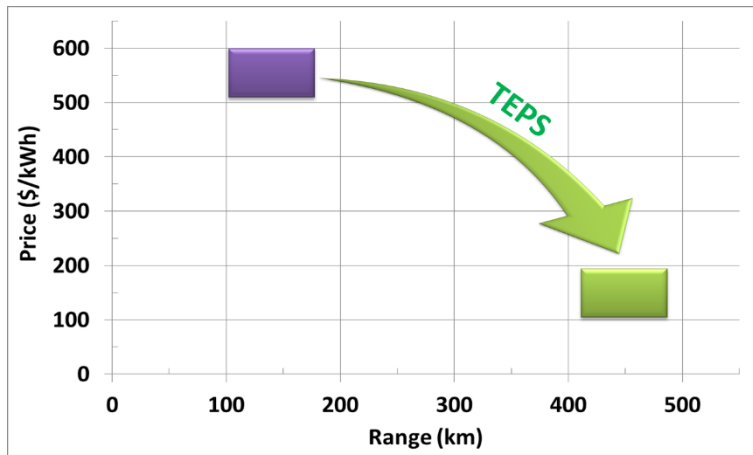


# TEPS Consortium : EV Power Source Technologies



Sponsored by Magnet and by the Alternative Fuels Administration.

- Develop generic cutting-edge technologies to power EV, which will enable driving for 500km without charging, with cost, performance and weight comparable to ICE vehicles.
- Leverage Israeli innovations and out-of-the-box contributions of academic R&D centers for attractive new business opportunities in the industry.



TEPS adopts goals as specified by DOE/USABC :

Specific energy (@C/3) 200Whr/kg

Specific power 300-400W/kg

Specific price 150-100\$/kWhr

High cycling stability and safety



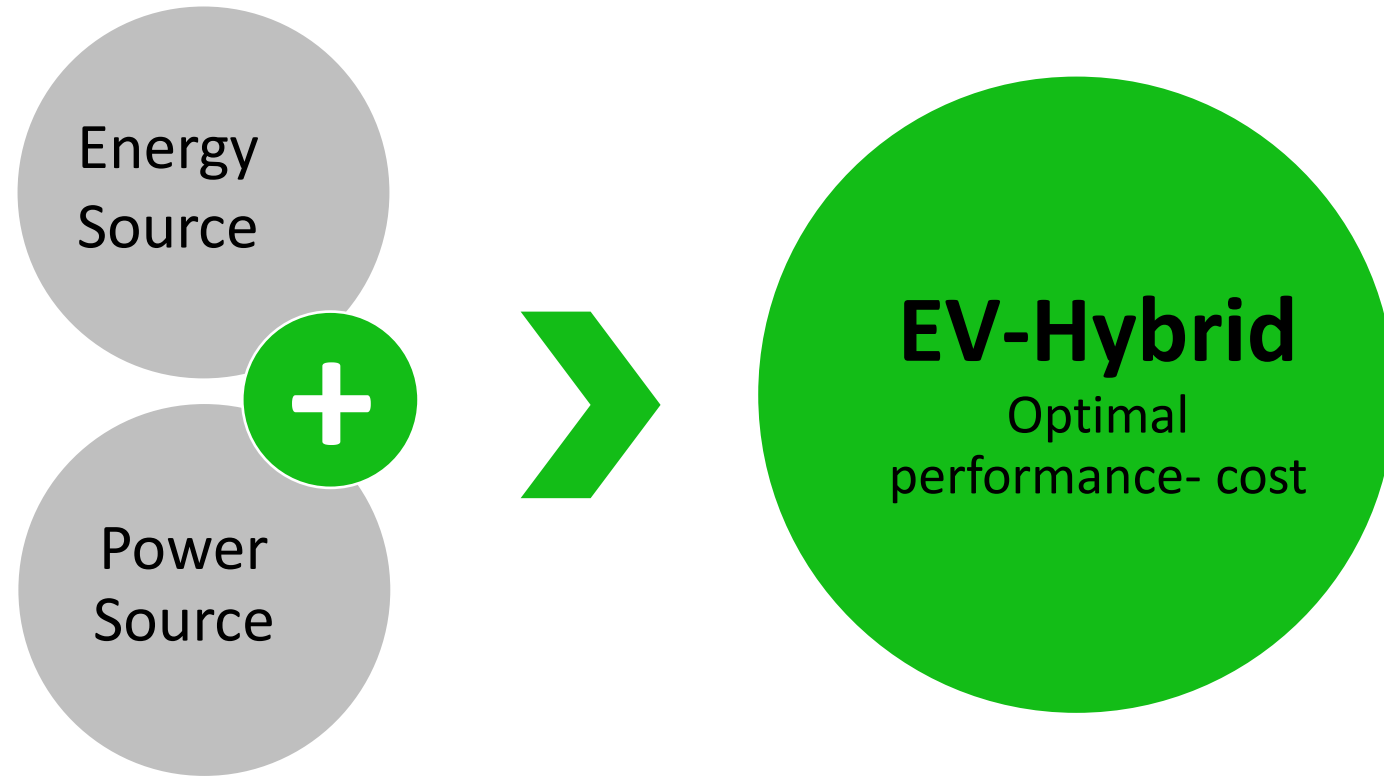
# *TEPS Clusters*

TEPS selected building blocks which :

- have Israeli robust industrial-base, and successful high-reputation academic-base (Tel Aviv, Bar Ilan, Technion and Ariel)
- present unique innovations in the power sources community over more than 30 years
- demonstrate prospects for revolution in performance and cost
  - o Lithium-ion cells
  - o Super capacitors
  - o Fuel cells and metal-air batteries
  - o Power management system



# *HYBRID CONCEPT*



# TEPS Industrial Members



**Elbit Systems** : Major Electronics System House.

next generation super-capacitors, integration.

**Tadiran Batteries** : Leading manufacturer of lithium batteries.

third generation lithium-ion cells.

**ETV** : Startup developer of innovative lithium-ion cells.

third generation lithium-ion cells (high power).

**Cellera** : SME, leading developer of platinum-free AMFC.

second generation AMFC.

**Epsilor** : Manufacturer of primary zinc-air batteries.

next generation rechargeable zinc-air batteries.



# ***SUMMARY***

TEPS consortium is motivated to develop breakthroughs and achieve a meaningful impact in a challenging and demanding field.

**TEPS is interested in international collaborations.**

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