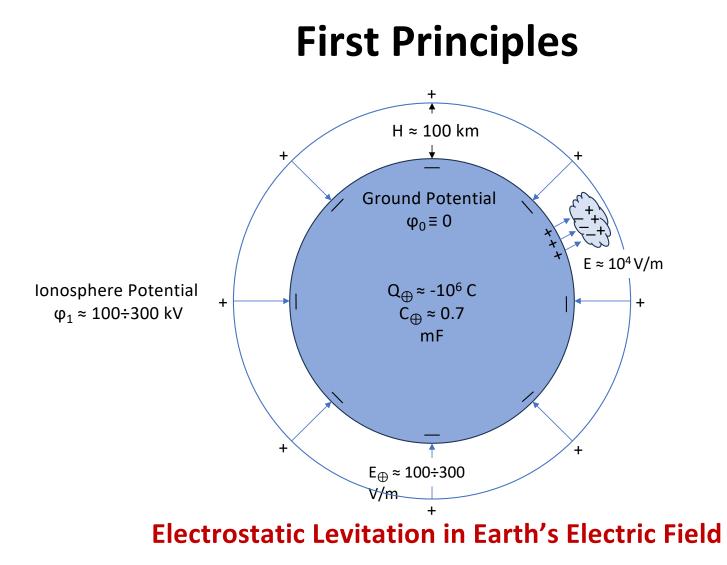


Harnessing Electrostatic Levitation for Transportation and Propulsion

Max Fomitchev-Zamilov, Ph.D. Maximus Energy Corporation <u>www.maximus.energy</u>

Main Points

What are we proposing? Practical levitation
Why? Because it is easy
Proof of Concept: Demonstrated by Nature
Disruptive Potential: Can revolutionize transportation, space industries
How? We have the enabling technology
Investment: Only a modest investment is required



Proof of Concept: Demonstrated by Nature



Tons of water float effortlessly

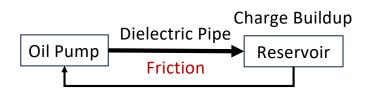
Proof of Concept: Demonstrated by Nature



Ballooning spiders levitate (reported in Nature journal)

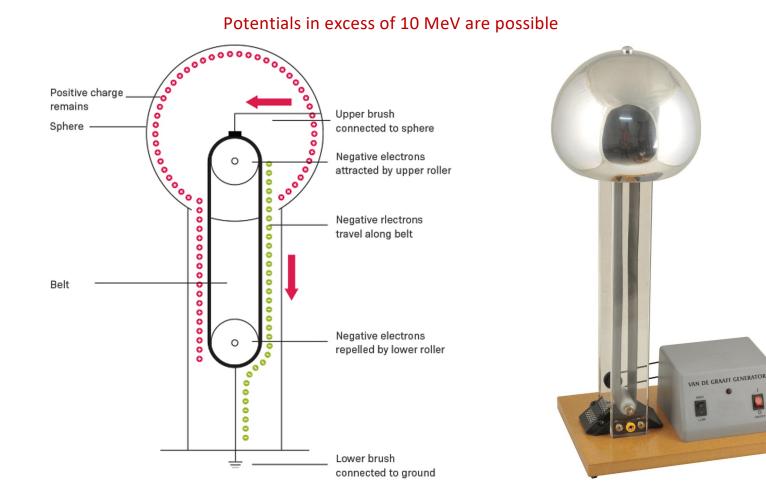
Enabling Technology: Oil Charge Generator

- Similar to VDG but better
- Megavolts of electrostatic potential
- 100% patentable





Van der Graaf Charge Generator

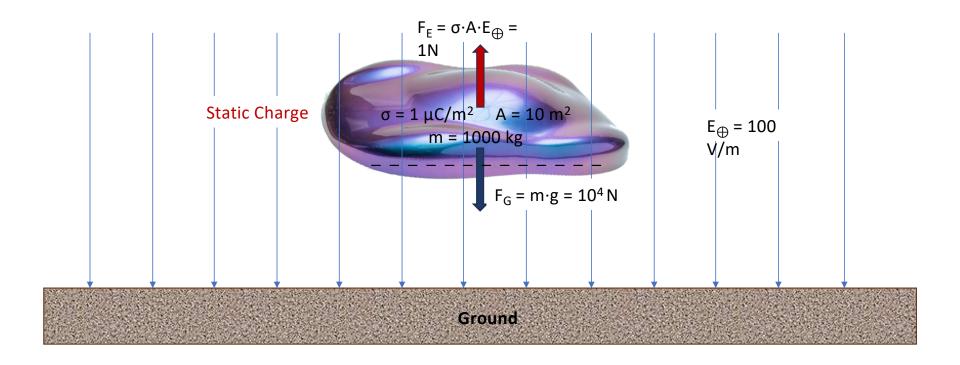


Necessary Technology: Electrets

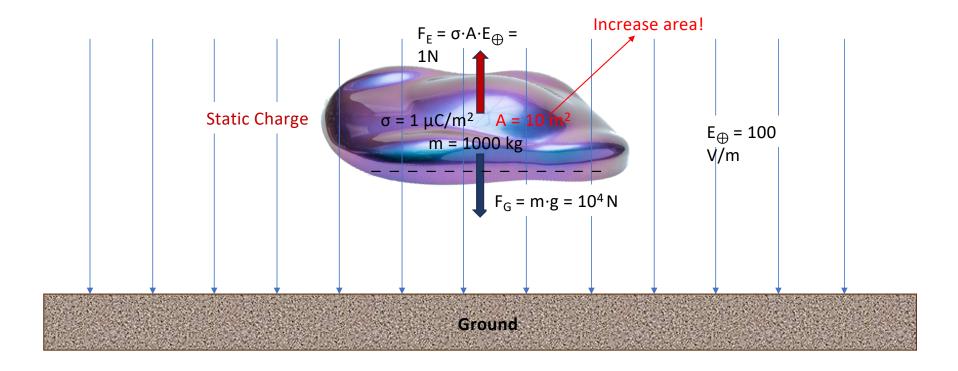
- Permanent electrostatically charged materials
- Commercially available
- Unipolar charge possible
- Charge densities up to $\sigma = 1 \,\mu\text{C/m}^2$
- Teflon, polypropylene, polyethylene, etc.
- Charging through friction or corona discharge



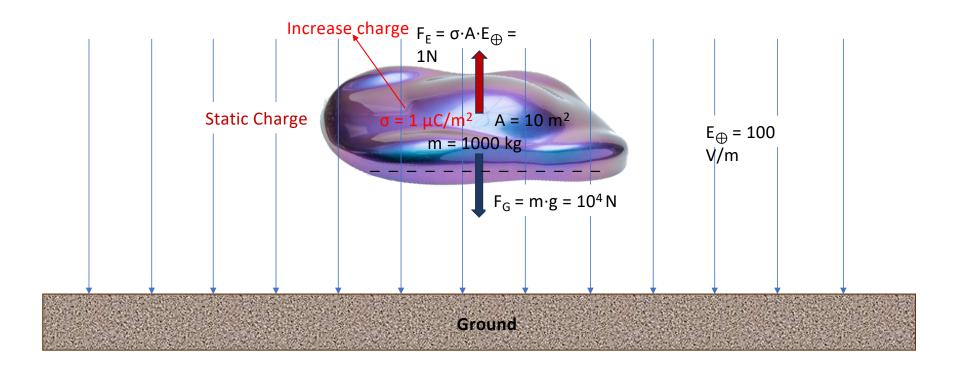
Application: Flyer



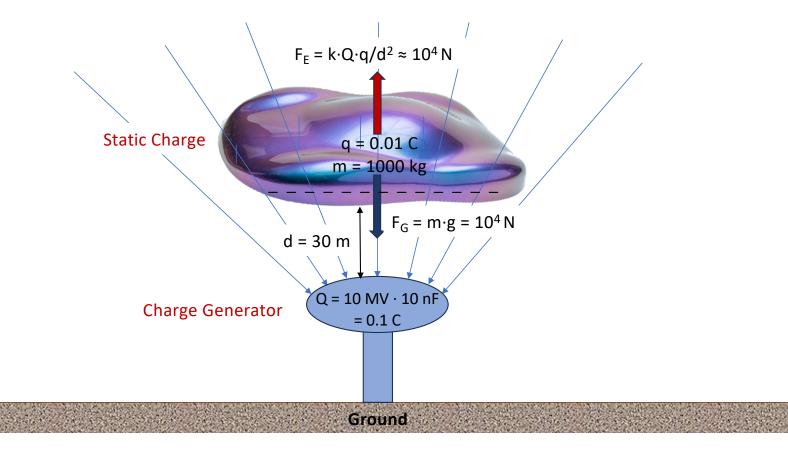
Application: Flyer



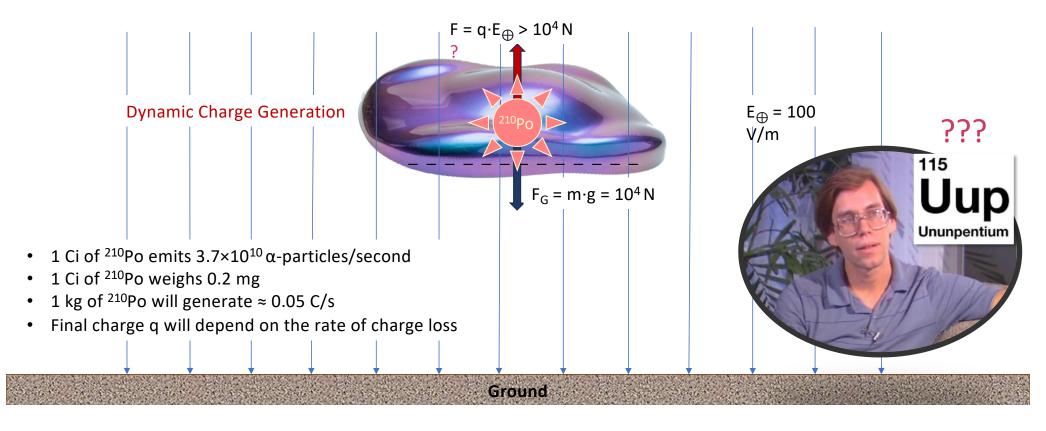
Application: Flyer



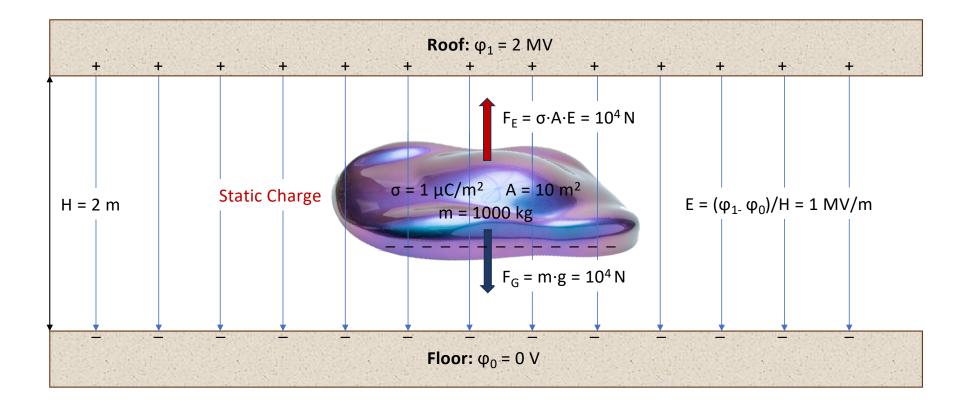
Application: Boosted Flyer



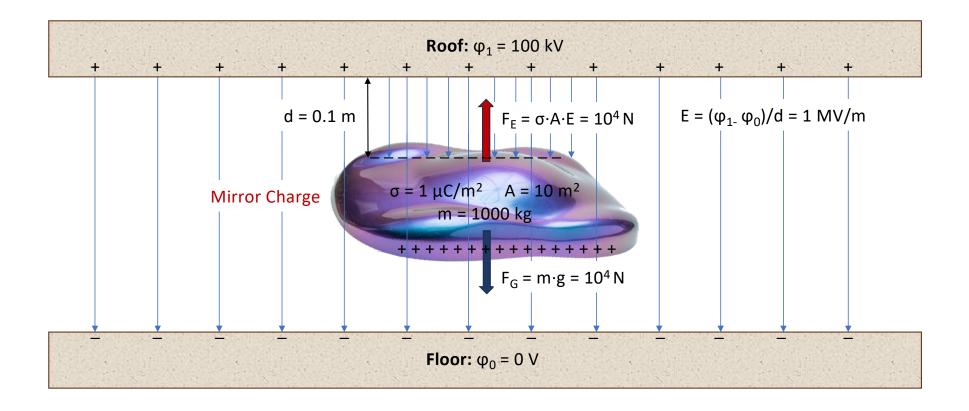
Levitation Due to Radioactive Decay



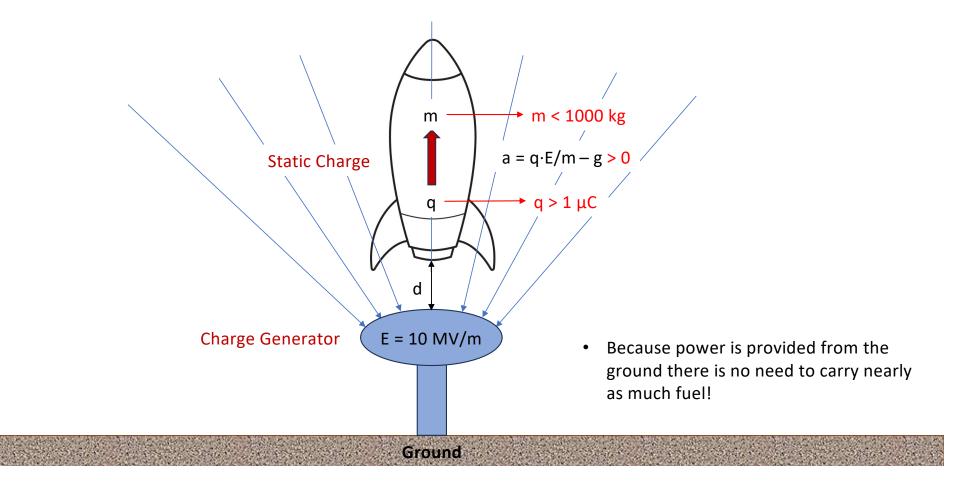
Application: Tunnel Transport



Application: Tunnel Transport

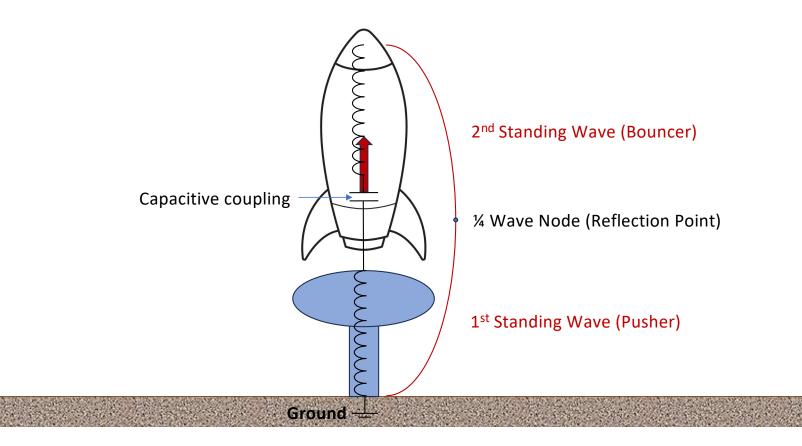


Application: Space Launch



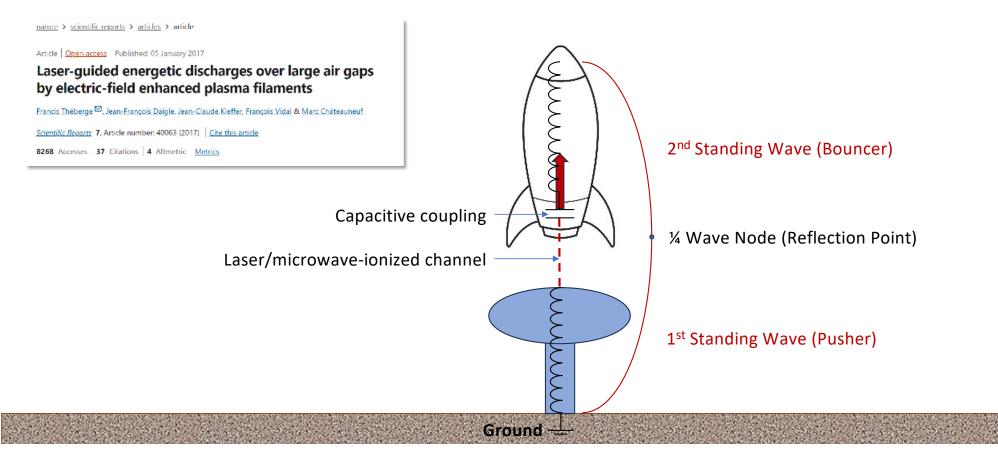
Application: Space Launch

Repulsion between two capacitively coupled standing EM waves



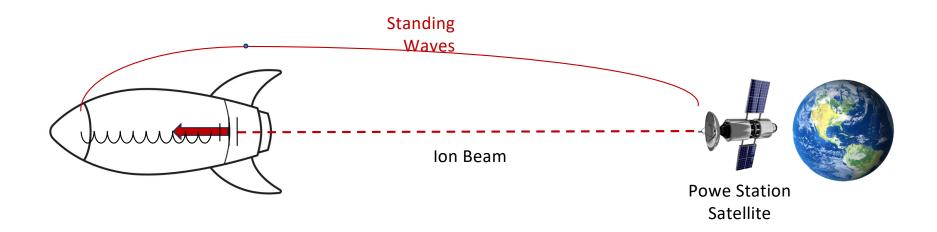
Application: Space Launch

Repulsion between two capacitively coupled standing EM waves

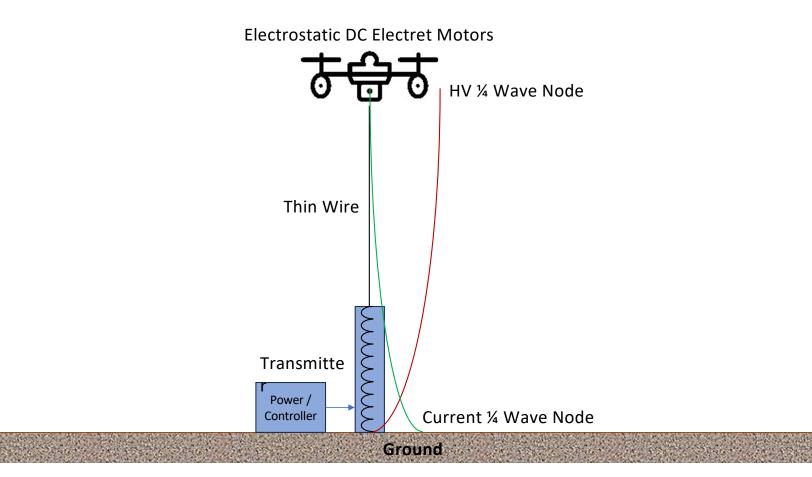


Application: Space Travel

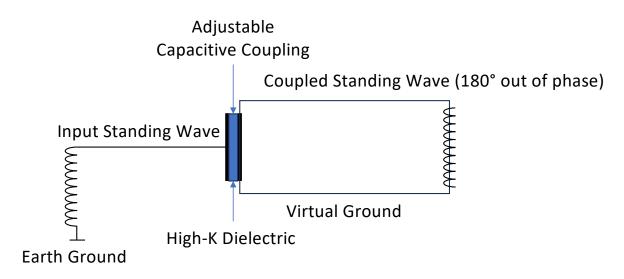
Conduction channel is afforded by the ion beam



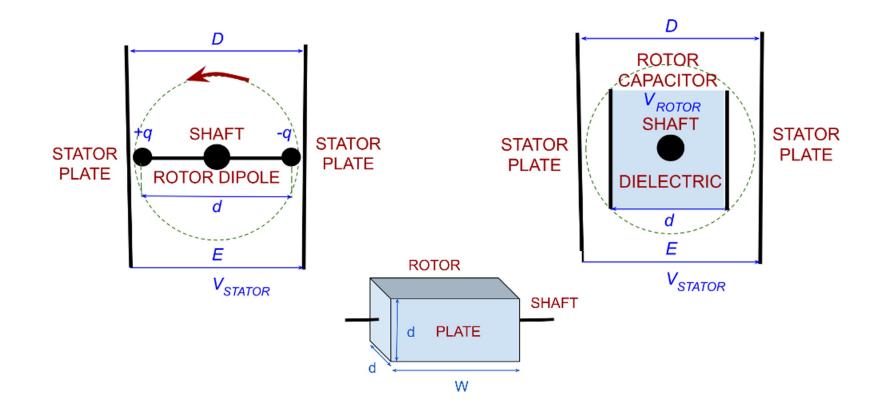
Application: Single-Wire Drone



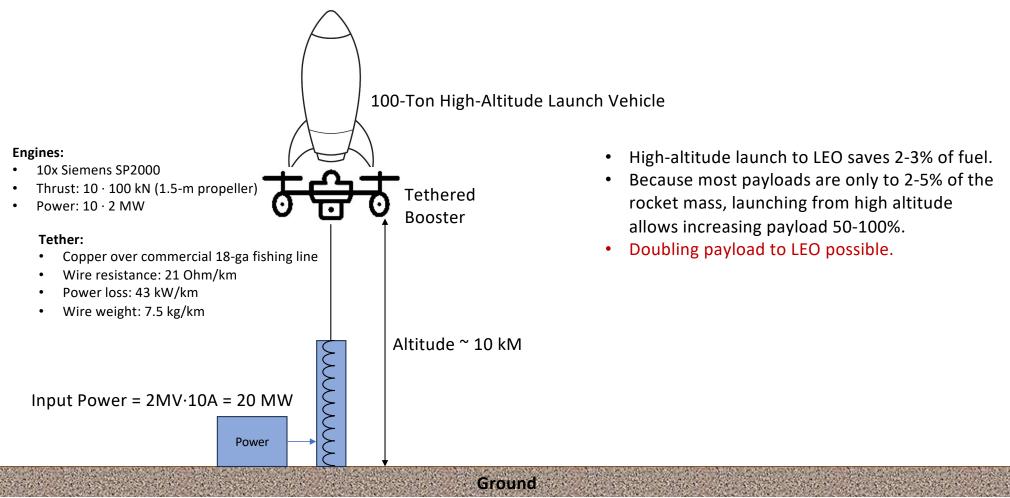
Capacitive Coupling for Power Take-Off



Electrostatic DC Electret Motor



Application: Single-Wire Space Launch System



Ask

\$250,000 to prepare a demonstration as follows:

- Build a bigger oil charge generator
- Design larger-scale electret charging system
- Test a charge take-off system
- Demonstrate levitating platform

Expected time: 3 months

Location: Naples, Florida (USA)

About

Max Fomitchev-Zamilov, Ph.D.

- Inventor, engineer, scientist
- Former Assoc. Prof. CS&E, Penn State
- Founder of <u>Maximus Energy Corporation</u>
- Published papers in peer-reviewed journals, including <u>Nature Scientific Reports</u>
- Authored multiple patents
- Designed & built numerous machines and experiments
- LinkedIn, ResearchGate
- Contact: founder@maximus.energy

