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EVs as storage, with robotic charging (for moving daytime energy to night)

Daytime EV charging is a good way to suck up excess solar generation, however there is a shortage of EV charger enabled parking slots. Nighttime charging is not currently an issue since vehicles are parked at home, except for apartment/condo dwellers, but it will become an issue as we move to 100% EV transport.

Inductive Robotics Mobile robotic EV charging solution uses small robots (in large numbers) to move energy from buildings and off-grid solar into EVs during the day wherever they are parked for more than a few minutes. Since it is deployed using existing infrastructure for power, and serves all EVs, it is a cheaper approach than static charging which requires trenching, permitting and new grid connections (with power limiting management).

Our goal is to source the extra energy needed for electrification from daytime solar sources (the cheapest energy), get it into the EVs and unloaded it at night (V2G/V2H) to avoid using more grid power going forward (which would require major grid expansion).

Since we make money on moving energy using spare EV capacity, we can use some of that to subsidize buying the EVs for lower income customers (in the above mentioned apartment and condo complexes).

Our business model is "charging as a service", with no up-front costs to clients/customers.

https://www.eia.gov/todayinenergy/detail.php?id=56880 (Duck Curve)