

94% of energy delivered to the U.S. transportation system is petroleum-based.

*Electrification Coalition

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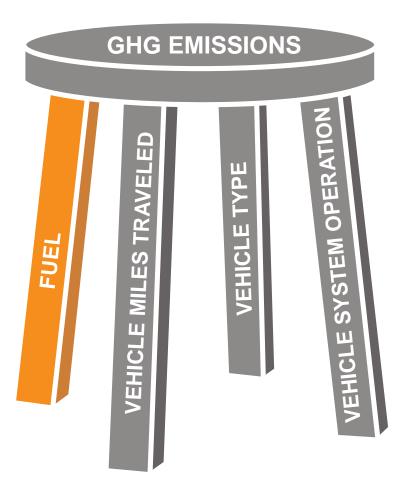
The US spends between 67.5 billion and \$83 billion annually to secure the international oil supply lines and infrastructure, using military force if required.

RAND Corporation - Imported Oil and U.S. National Security

Since December 2007, crude oil and petroleum products have routinely accounted for more than half of the monthly U.S. trade deficit.

30% of Chicago's Greenhouse Gas Emissions are generated by Transportation.

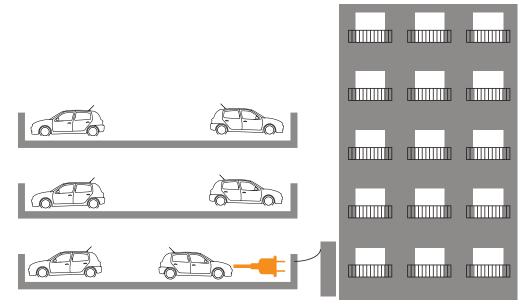
4 FACTORS AFFECT TRANSPORTATION EMMISIONS:



VEHICLE MILES TRAVELED
VEHICLE TYPE
VEHICLE SYSTEM OPERATION
FUEL



SCENARIO 1 - AT HOME - SINGLE FAMILY GARAGE CHARING



SCENARIO 2 - AT HOME - MULTI-FAMILY PARKING GARAGE CHARGING



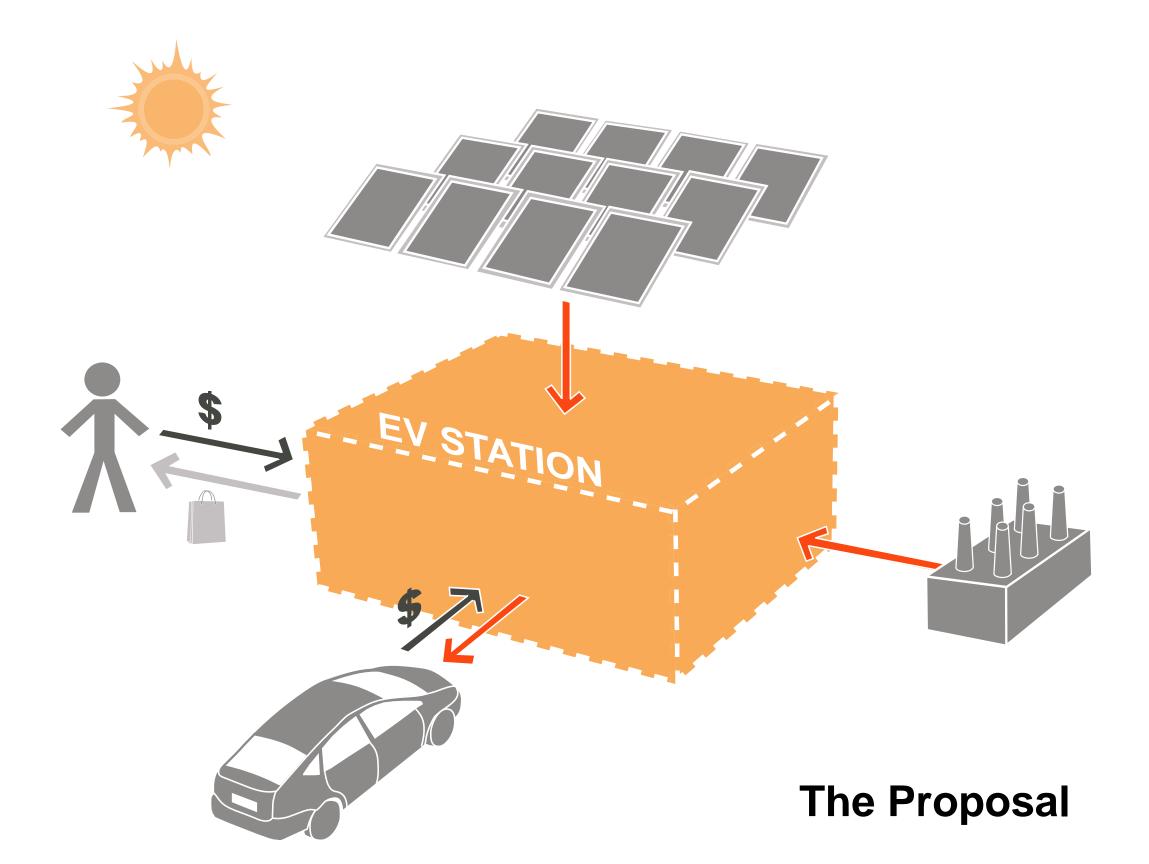
A series of errands over the course of a busy Saturday can extend beyond the life of the battery.

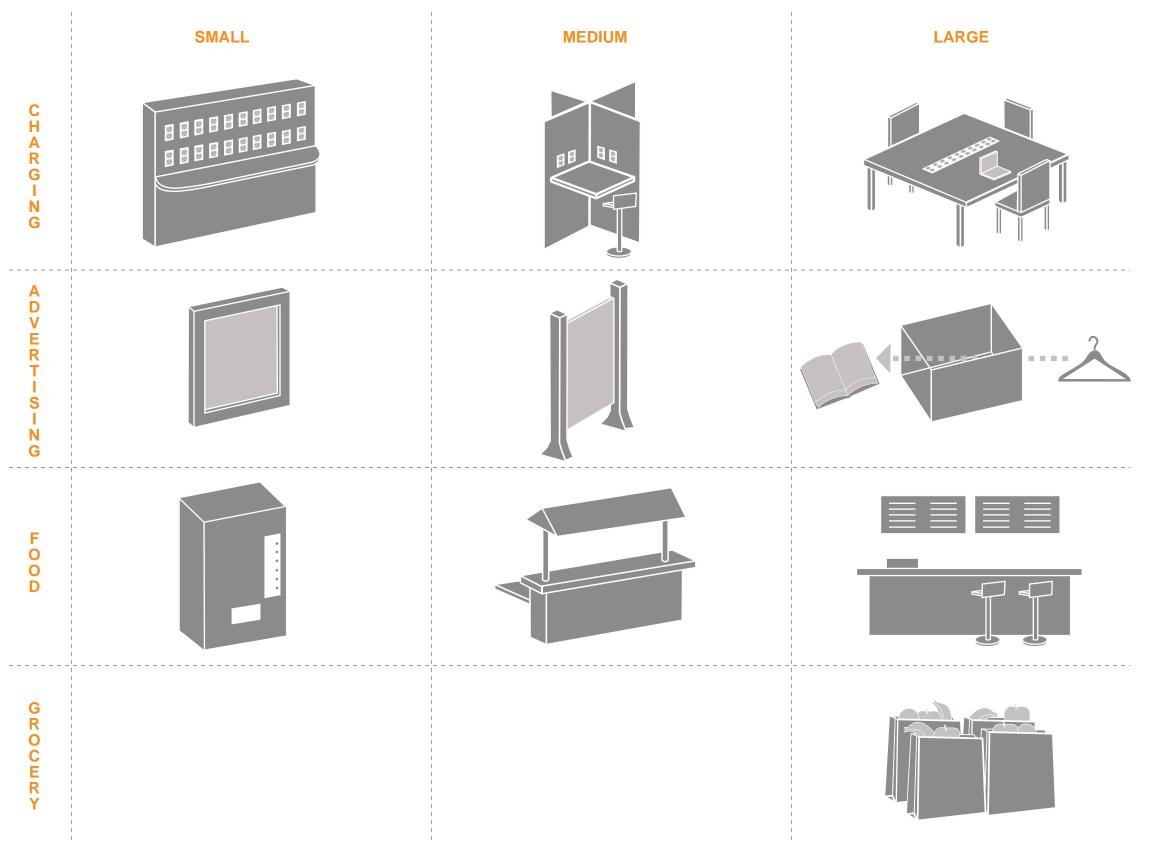
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SCENARIO 3 - COMMERCIAL FACILITY

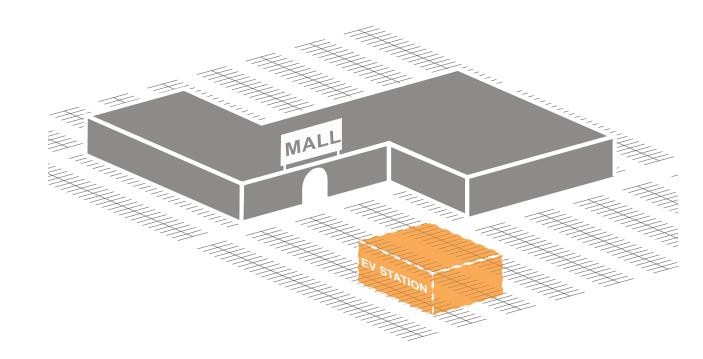
The most significant challenge facing the deployment of public charging infrastructure is business model and cost. A profitable business model for public charging infrastructure has not been reliably demonstrated.

*Electrification Corporation – Fleet Electrification Roadmap





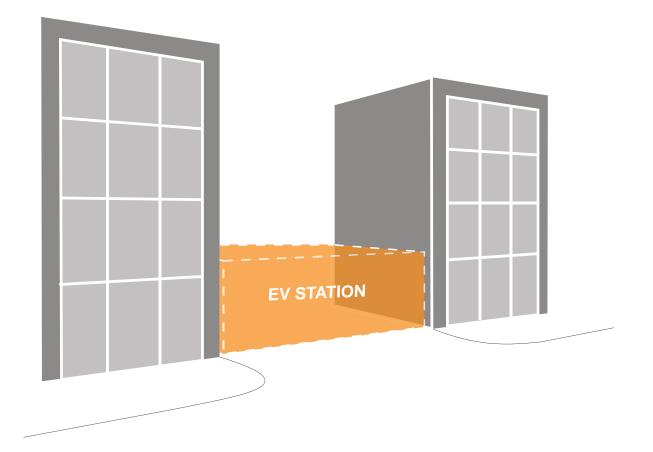




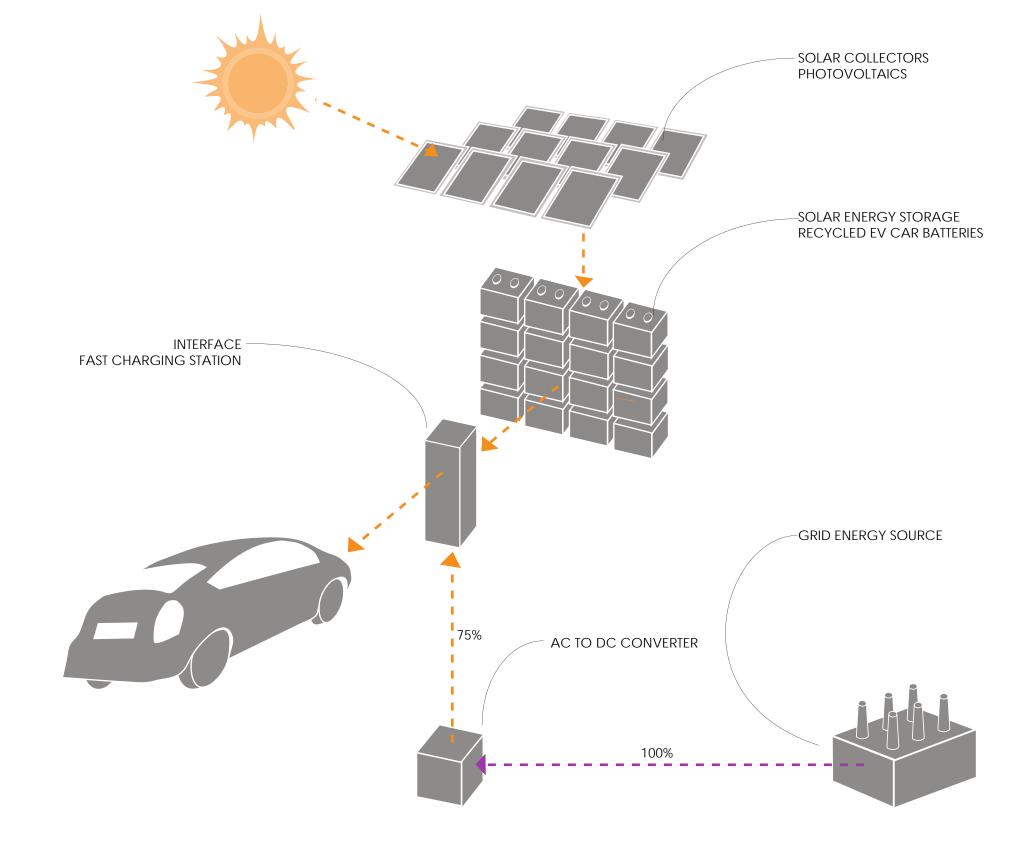
SUBURBAN

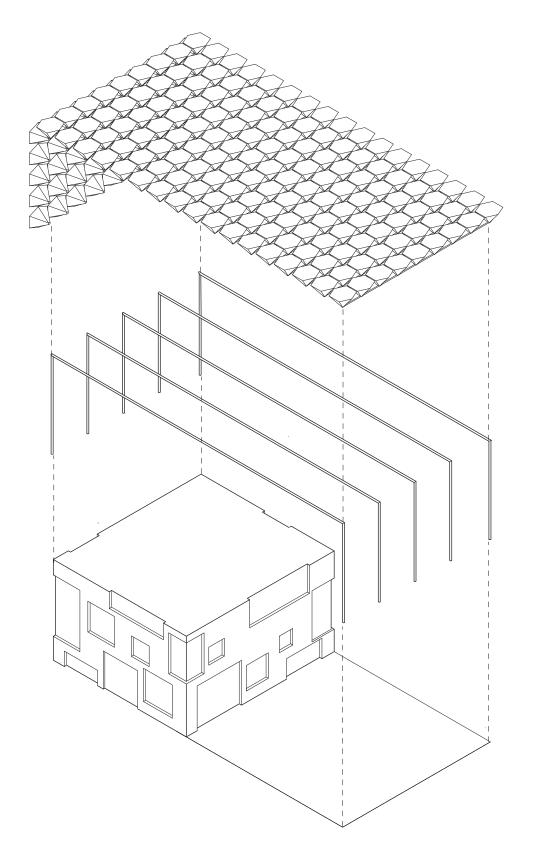
MORE CHARGING SPACES BIGGER RETAIL SQUARE FOOTAGE POTENTIAL FOR LONGER CHARGE TIMES





SMALLER RETAIL SF LESS PARKING SPACES

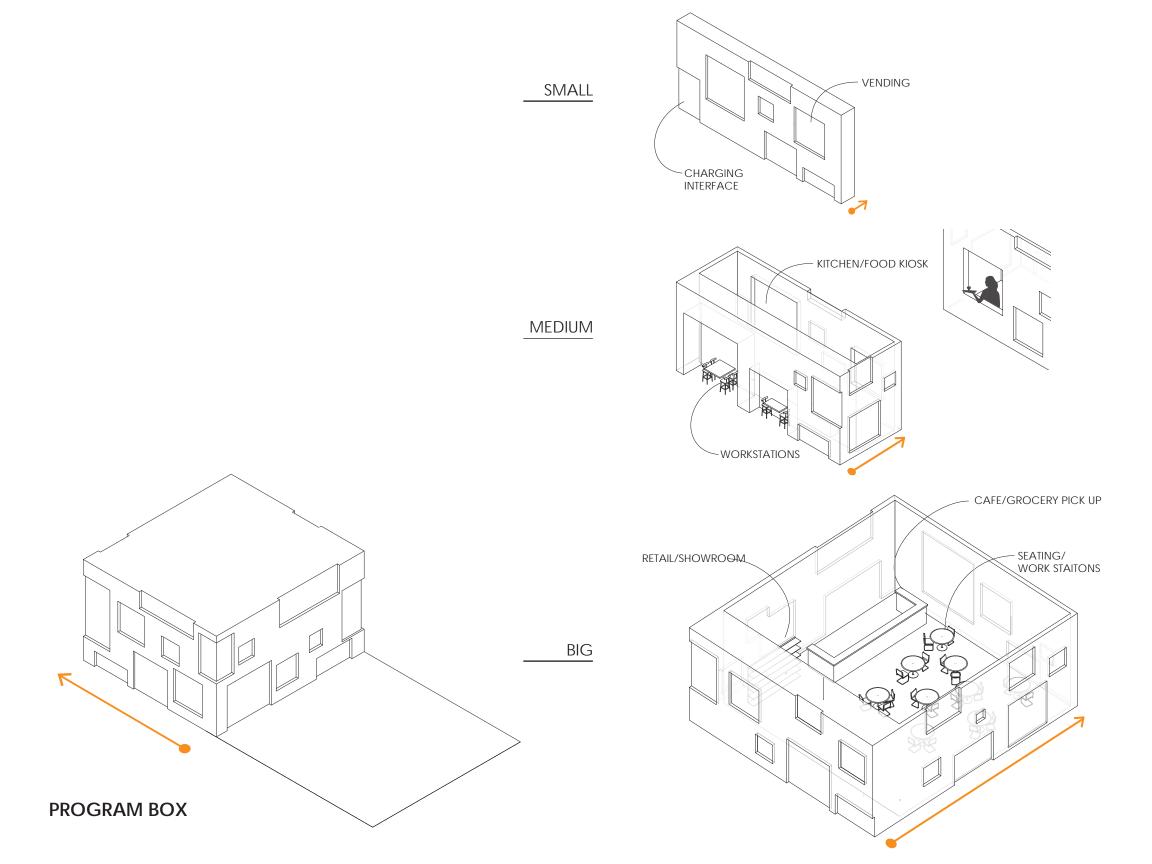


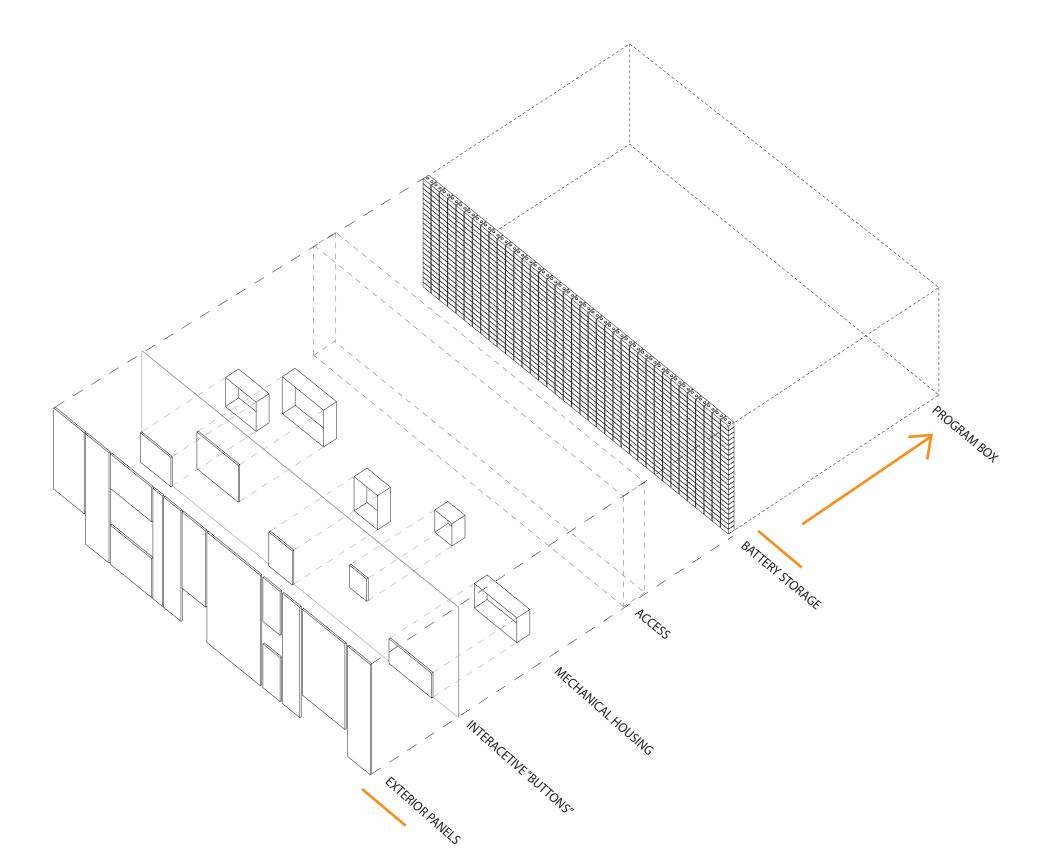


TRANSPARENT SOLAR PANELS

STRUCTURE

PROGRAM/INTERACTIVE BOX



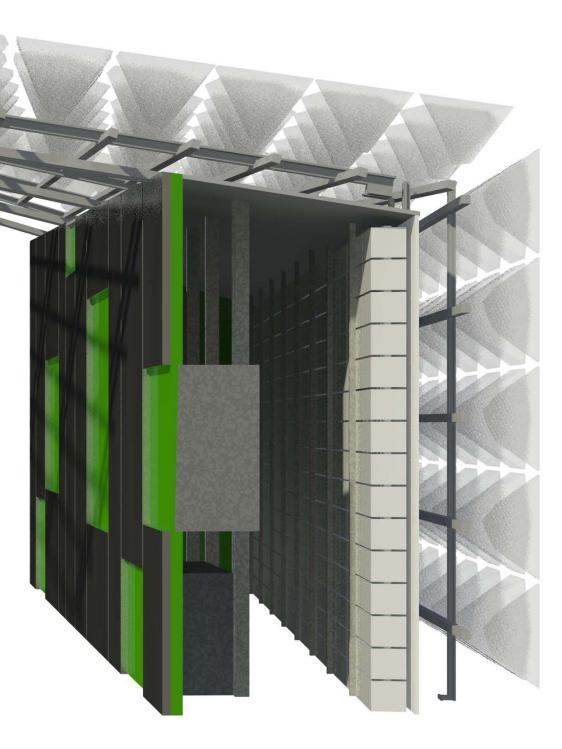


"COMMUNICATIVE" SURFACE

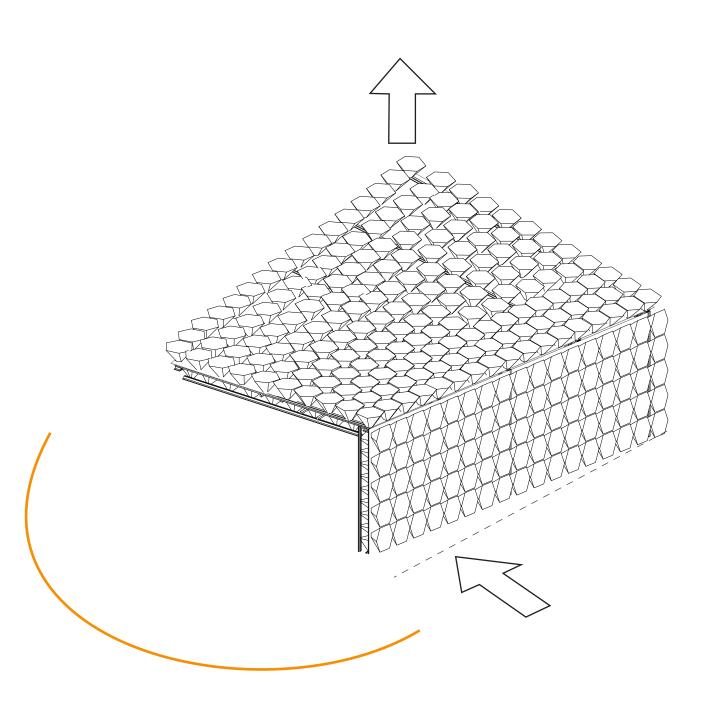
BATTERY CAPACITY SOLAR PANEL STATUS TRAFFIC CONDITIONS NEWS WEATHER PROGRAM INSIDE

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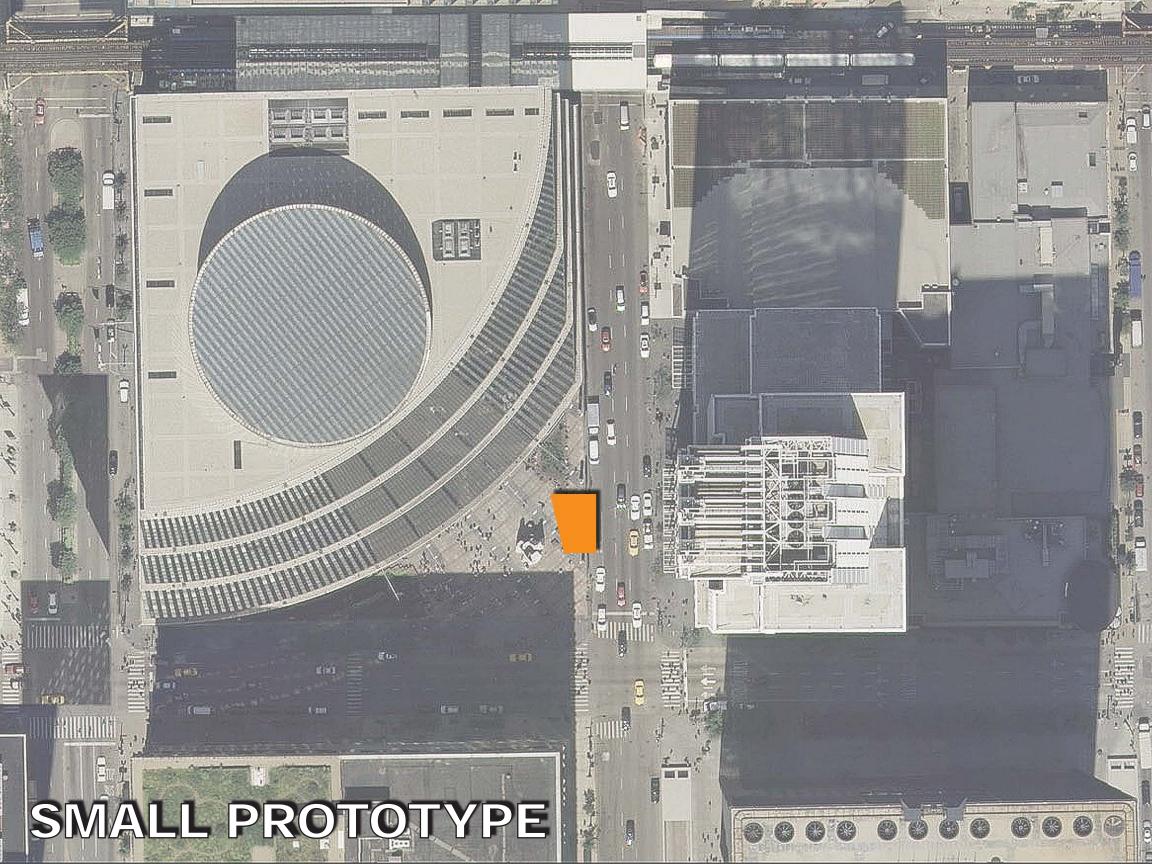
-- INTERACTIVE "BUTTONS" CHARGING INTERFACE WORKSTATIONS VENDING



THE WALL SYSTEM





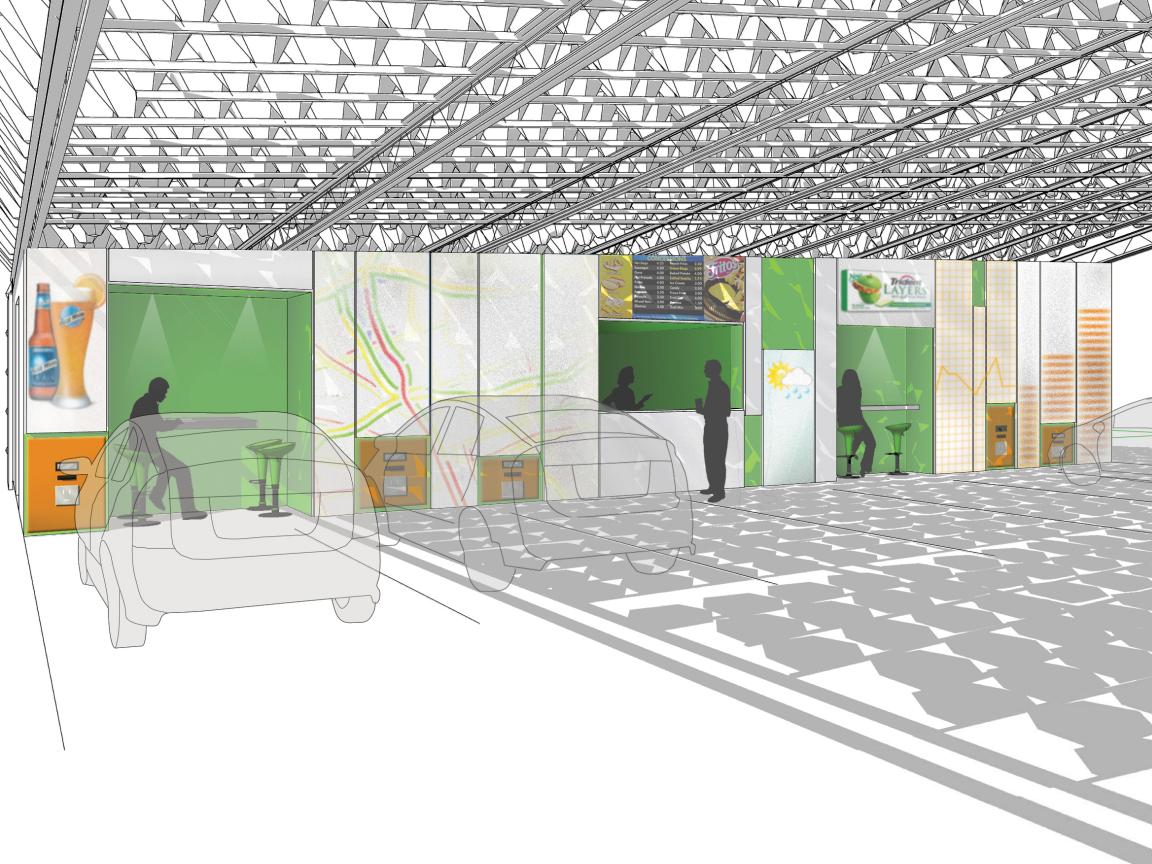






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BIG PROTOTYPE

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