CHANNING STREET 29 COPPER COMPANY

WHO WE ARE

A team of scientists, engineers, climate activists, and impassioned humans working together to build appliances that make access to clean energy easy and improve our daily lives.

What We're Doing

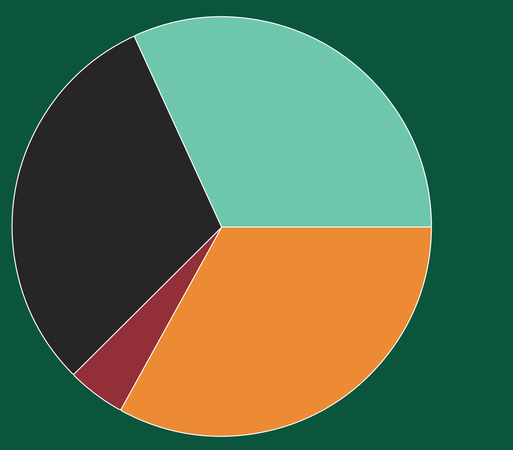
Copper is building an Energy Storage Enabled (ESE) induction stove that reduces the levelized cost of storage by roughly 55%.

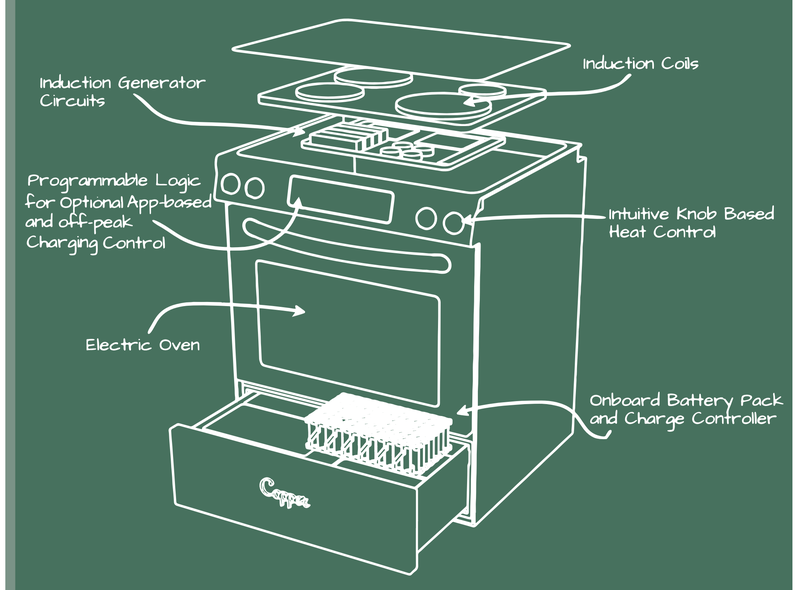
By embedding batteries directly into household appliances and creating a network of energy storage enabled appliances, Copper aims to eliminate barriers to electrification, reduce greenhouse gas emissions, and promote public health and well-being. Battery supported induction is an improvement on standard induction cooking as it provides higher power and faster power delivery and no AC "hum" from burners.

Why We're Doing it

By putting easy-to-install ESE induction stoves into homes, we simultaneously remove harmful natural gas and bring energy storage into the home with no additional cost to the homeowner, enabling greater renewable energy access. We want to reduce emissions through electrification, and we want to allow all households to participate.

Components of U.S. emissions reduction from Copper's technology. Labels are in millions of metric tons CO2e per year.





CURRENT WORK

Why Stoves?

- New research has uncovered the health hazards of cooking with gas.
- Wiring for 240V 50A is a major hurdle to electrification, especially with 100A service.
- A modestly-sized battery enables high performance induction cooktop and oven on an existing circuit.
- There are 45 million gas ranges firing today that need to be retired from American homes.
- This solution is especially well suited to multifamily housing units, which have been historically difficult to electrify.

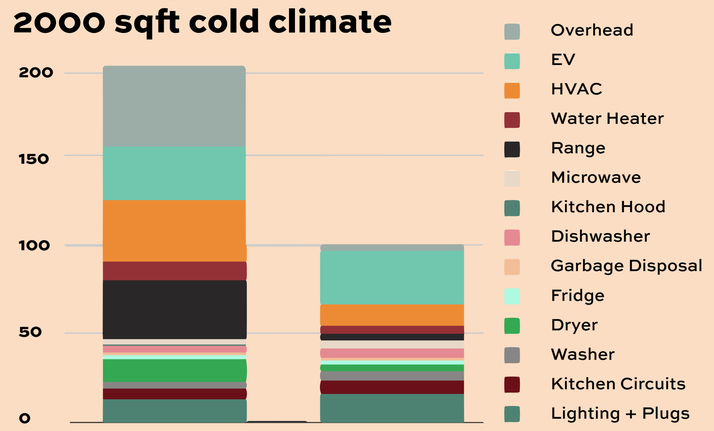
What's Next?

Expanding our offering to enable whole-home electrification with a full suite of ESE appliances.

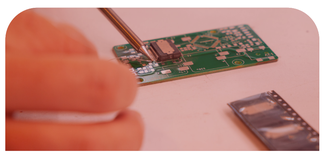
- Hot water heaters
- Mini-split + heat pump air conditioners
- Clothing dryers

Develop the embedded and cloud software layers necessary to build a network of ESE appliances into a highly controllable and dispatchable home energy system.

Panel amps under NEC 220.82(B), 2000 sqft cold climate



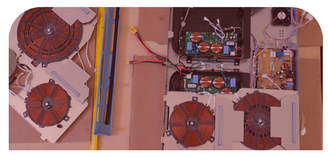
Panel amps in a 2,000 square foot cold climate household, as calculated using NEC 220.82(B) and 625.41. An ESE appliance network enables the household to fully electrify without upgrading a 100 amp panel.



April
In-house Manufacturing; Charlie Range Preorders

December
UL Cert. of Delta Range

April
End of BENEFIT Contract



October
Supply Chain Producing 1000-5000u Delta Range

2023 | **2024**

July
V1 ESE Hot Water Heater

October
Installation of 5x Charlie Ranges in Pilot Homes

January
Initial Production Round Delta Range Rolled Out

July
V2 Hot Water Heater UL Cert.

Otherlab

Buildings Energy Efficiency Frontiers & Innovation Technologies (BENEFIT) DE-FOA-0002196