

We are **3 ex-Tesla, Apple & Meta engineers** in San Francisco, applying our **Electric Vehicle charging expertise** to the fastest-growing problem in robotics: **energy**.

## OUR THESIS

### Energy will define which autonomous fleets scale and which die.

Rovers on the Moon die because energy isn't there. Warehouse AMRs spend 30% of their time charging instead of working. Delivery robots have a 4-hour window before they're useless. **Every robotics vertical hits the same wall: energy management is unsolved, fragmented, and costs more than the robots themselves.** We believe whoever builds the universal energy layer for robots wins a generational infrastructure market.

## HYPOTHESES WE'RE VALIDATING

### HYPOTHESIS 1

#### Energy is the #1 cost driver for fleet operators

Charging infrastructure, downtime, and battery management account for more operational cost than the robots themselves at scale.

### HYPOTHESIS 2

#### No universal charging layer exists today

Every robot brand has its own siloed charging solution. Mixed fleets can't share infrastructure. The "Android moment" for robot energy hasn't happened.

### HYPOTHESIS 3

#### Software orchestration beats hardware alone

45% of infrastructure value is shifting to the software & AI layer. The real moat is intelligence: routing, scheduling, and fleet-wide optimization.

### HYPOTHESIS 4

#### The problem is universal across verticals

From warehouses to lunar rovers, the energy coordination challenge is structurally the same. One platform can serve them all.

## VERTICALS WE'RE EXPLORING



AMR

Warehouses & Factories



UAV

Drones & Aerial



LAST MILE

Delivery Robots



HUMANOID

Next-gen Workforce



INDUSTRIAL

Heavy & Outdoor



SPACE

Lunar & Mars Rovers

**\$38B**

ROBOT CHARGING INFRA BY 2033

**3M+**

AUTONOMOUS ROBOTS BY 2028

**30%**

FLEET TIME LOST TO CHARGING

## Our Approach: Research-First, Then Build

**01**

Talk to operators

Deep interviews across all 6 verticals

**02**

Map the pain

Quantify cost of energy per vertical

**03**

Find the wedge

Identify highest pain, fastest deploy segment

**04**

Ship & iterate

MVP in weeks, not months

## CORE TEAM

### Anis Cheriet

Co-founder & CEO

Ex-EV charging infrastructure. Led Europe's largest charging deployments twice. Deep expertise in energy systems at scale.

### Christopher Redfearn

Co-founder & Hardware Lead

Ex-Apple & Meta. Hardware lead, MS in CS. Builds space-grade reliable systems from scratch.

### Rafael M.

Head of Software (joining post-raise)

Currently at Tesla. Working on Optimus robot charger & Robotaxi energy systems. Ph.D. in CS, 6 years in AI & robotics.

We'd love your feedback.

What energy challenges do you see in robotics?

SEE WHAT WE'VE BUILT →



anis@chargebotic.com

San Francisco, 2025