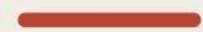


P R E - S E E D · 2 0 2 6

# Technologic



Modular consumer electronics.

Built to last. Built to scale. Built for what comes next.





The ability to perform in-situ repair of electronics at the component level can **dramatically reduce mission risk** and increase crew independence.

NASA — COMPONENT-LEVEL ELECTRONIC ASSEMBLY REPAIR (CLEAR) PROJECT

---

What if the technology NASA needs for Mars is exactly what Earth needs right now?



THE PROBLEM

62 million tonnes of e-waste a year.  
We recycle less than a quarter of it.

**\$62B**

in recoverable materials  
lost annually

\$19B copper · \$15B gold ·  
\$16B iron

**22%**

formally recycled

Declining to 20% by 2030

**1 in 3**

replaced devices still  
work

Discarded while functional

**87%**

drop in component  
lifecycles

From 30 years to under 4

E-waste is growing 5x faster than recycling infrastructure. 1.55 million trucks of it  
would circle the equator bumper-to-bumper.

Source: UN Global E-waste Monitor 2024

# Modular hardware keeps failing. The engineering was never the problem.

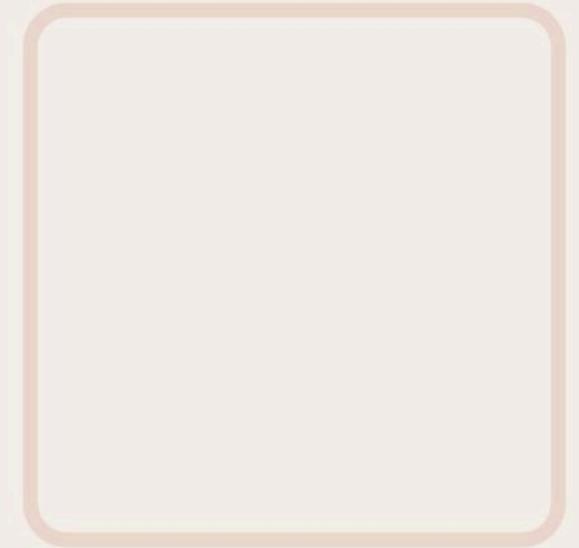
- **Project Ara** 2013–16 Modules 50–100% more expensive. 25% size/weight penalty. Cancelled.
- **Phonebloks** 2013 Viral concept, zero product. Inspired Ara, then vanished.
- **LG G5** 2016 Two modules shipped. Abandoned after one generation.
- **Moto Z** 2016–18 14 Moto Mods launched. Ecosystem died quietly.

Every single attempt lived inside a company whose revenue depended on you replacing the whole device. The incentive structure killed the product before engineering ever could.

THE SOLUTION

# Technologic

A modular electronics platform where the business model and the product aren't fighting each other. One standardized interconnect across device categories.



---

## ● Swappable

Upgrade or replace individual components. Not the whole device.

---

## ■ Repairable

Fix what's broken. A dead battery doesn't kill a device.

---

## ▲ Upgradeable

New processor in two years? Swap the module. Keep everything else.

---

## ◆ Open

Published specs. Third-party modules. Community-designed expansions.



WHY THIS MATTERS BEYOND EARTH

# On Mars, you can't ship a replacement. Modularity is survival not just a feature.

**26** months

between Mars launch windows

**6–9** months

transit time, each way

**\$200K**/kg

to deliver payload to Mars surface

**41%**

of small satellites fail or partially fail

The ISS has operated for 25+ years through modular Orbital Replacement Units. But NASA's own CLEAR project found ORU-level replacement is 1,000x less efficient than component-level repair. For Mars, you need modularity at every layer.

**Our thesis:** What's essential for space is transformative for Earth.

WHY NOW



# Four forces. All converging.

01

## Regulation

EU Right to Repair mandatory July 2026. Six US states passed laws. Oregon banned parts pairing entirely.

02

## Consumer demand

80% willing to pay ~10% premium for sustainability. Gen Z chooses sustainable over brand names 75% of the time.

03

## Technical feasibility

USB4 and Thunderbolt 5 solved the bandwidth problem that killed Project Ara. EU USB-C mandate standardizes charging across all devices by April 2026.

04

## Market proof

Framework raised \$45M, shipped 100K+ laptops. Fairphone: €87M raised, €54M revenue. Back Market: \$5.7B valuation.

FIRST PRODUCT

# The Player

A modular digital audio player. Retro form factor, modern architecture. The beachhead that proves the interconnect works across components.

## DAC

Swappable audio chipset

## Storage

Expandable local media

## Amp

Headphone amplifier

## Wireless

Bluetooth · WiFi

## Battery

Hot-swappable power

## Display

Upgradeable screen

**\$800–\$3,700**

Premium DAP price points (Astell&Kern)

**\$107M**

Portable DAP market

## MARKET

# The categories with zero modular options.

### CONSUMER ELECTRONICS

**\$1.2T**

annually, 5.5–7.8% CAGR

### KITCHEN APPLIANCES

**\$242B**

smart kitchen: 12.4% CAGR

### CLIMATE TECH INVESTMENT

**\$40.5B**

2025, +8% YoY

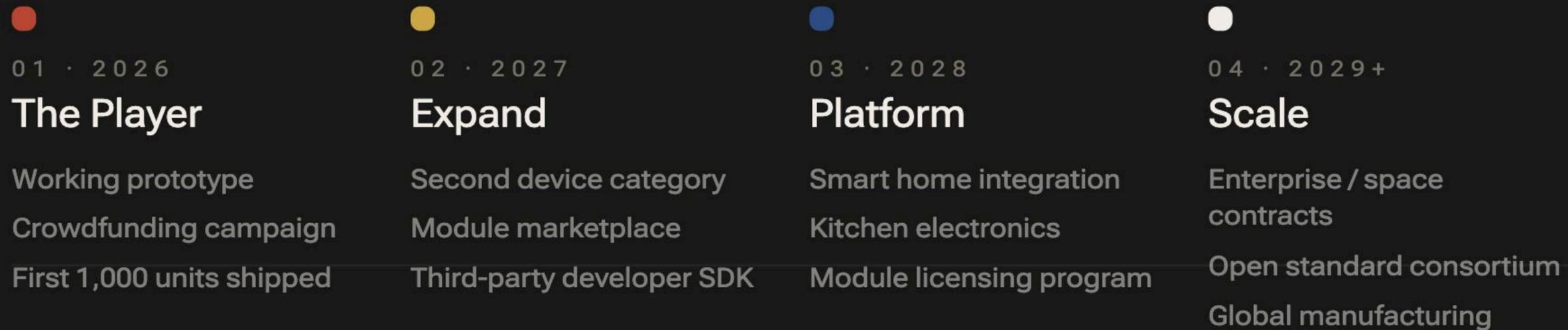
### UNADDRESSED CATEGORIES

- Home appliances No modular options
- Wearables & fitness No modular options
- Smart home devices No modular options
- Consumer audio No modular options
- Kitchen electronics No modular options

Sustainable products grow 2.7x faster than conventional. 17% market share, capturing 32% of growth.

ROADMAP

# From one device to an ecosystem.



Each phase shares the same interconnect standard. Every module sold in Phase 1 works in Phase 4.

BUSINESS MODEL

# Compounding revenue, not replacement cycles.



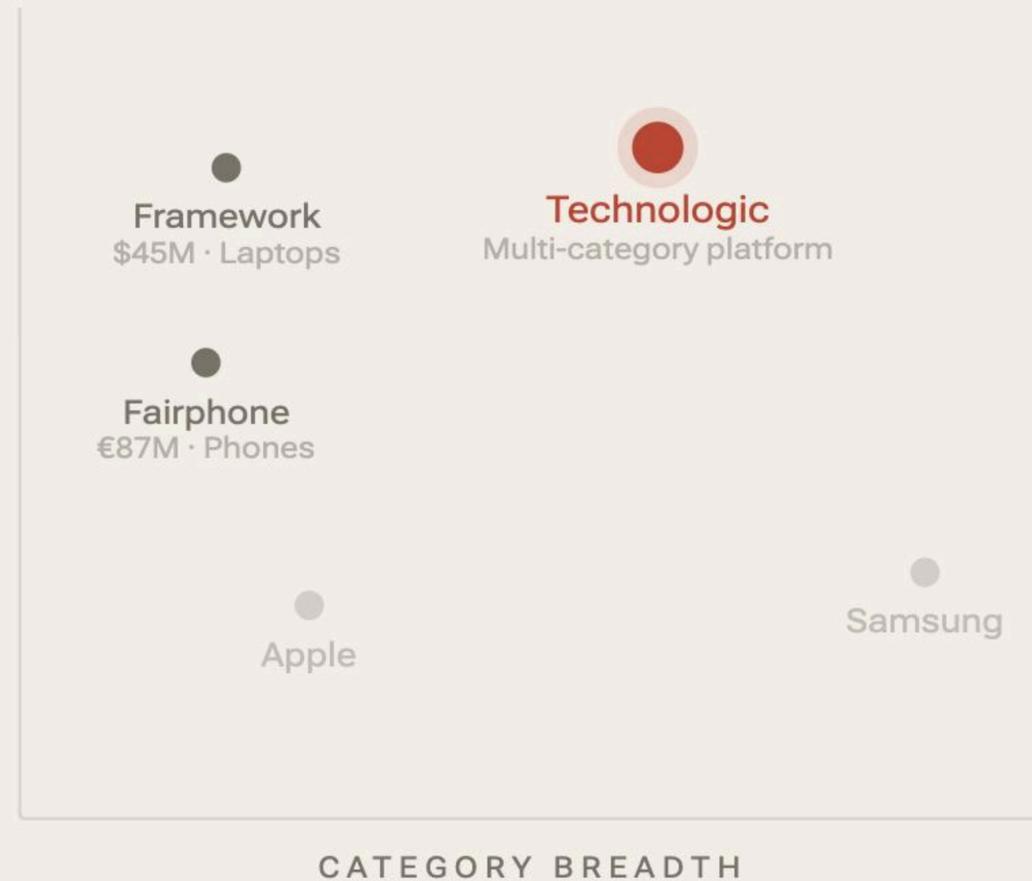
**LTV multiplier: A customer upgrading modules for 10 years is worth far more than a single device sale.**

**HaaS premium: Hardware-as-a-Service earns 59% higher median revenue multiples.**

## LANDSCAPE

# The goal is not to compete with Framework but to expand the map.

### MODULARITY



### WHY INCUMBENTS WON'T BUILD THIS

- | Device upgrade cycles drive repeat purchases
- | Proprietary parts sold through authorized channels only
- | Ecosystem lock-in creates switching costs
- | iFixit-Samsung partnership ended 2024 — no interest in repair at scale

FOUNDER

# Suhit Agarwal

24 · Software & Design Engineer · Applied & Computational Mathematics @ USC

## Founding Product Engineer

Curio

AI hardware startup. Shipped ESP32 firmware and the consumer mobile app end-to-end.

Went from chip to App Store alone.

## Founding Engineer

Trufflepig

Built the product from zero as founding hire.

## BUILDING THE TEAM

In conversation with hardware engineering and industrial design leads

First advisor calls scheduled for March 2026



THE ASK

# Pre-Seed · \$1M - \$1.5M

## USE OF FUNDS

Hardware engineering	40%
Tooling & first production run	25%
Design & prototyping	20%
Operations & community	15%

## MILESTONES UNLOCKED

- Production-ready Player prototype
- Validated interconnect architecture
- 5,000-unit initial production run
- Module ecosystem foundation
- Crowdfunding campaign launch
- Path to seed round

THE VISION

When humanity becomes a  
spacefaring civilization, modularity  
won't be a nice-to-have.

It will be how everything is built.

---

We're starting now.



# Technologic

---

Suhit Agarwal

[suhit@technologic.computer](mailto:suhit@technologic.computer)

San Francisco, CA

*Modular electronics for Earth and beyond.*

