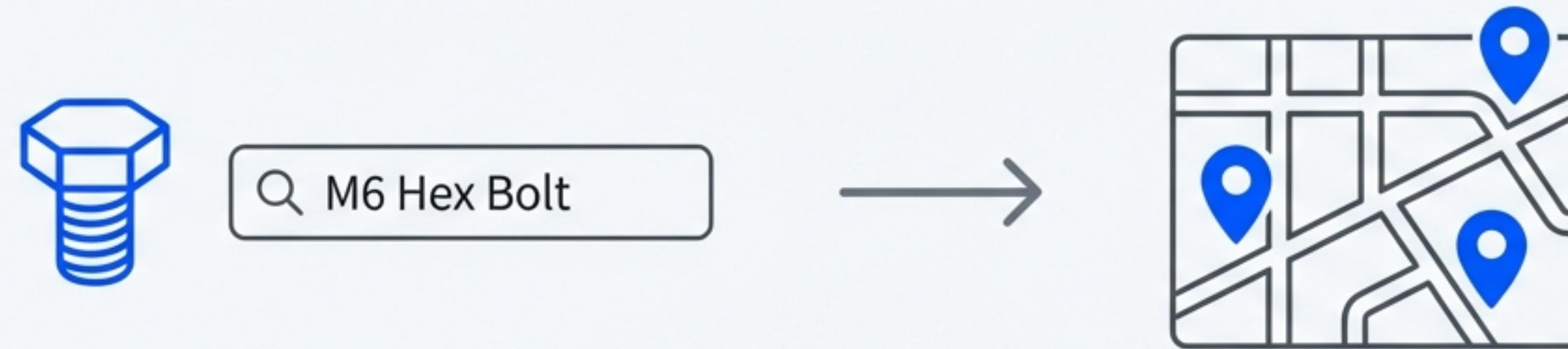


We are building the Google Maps of physical inventory.



GoLocal: A hyperlocal product discovery and inventory mapping platform

Our core idea reverses local commerce: Find the product first, then the seller.



1. Discover Product.

2. Find Nearby Seller.

We are shifting the discovery process from “Which stores are near me?”
to “Where is the exact item I need, right now?”

The Local Commerce Disconnect



The Buyer's Problem

- No visibility on where a specific product is available.
- Wasted time and fuel calling or visiting multiple shops.
- Unnecessary travel without stock confirmation.



The Seller's Problem

- Dead or slow-moving inventory taking up valuable space.
- Lack of affordable, effective digital visibility.
- Existing inventory management systems are too complex or expensive for small businesses.

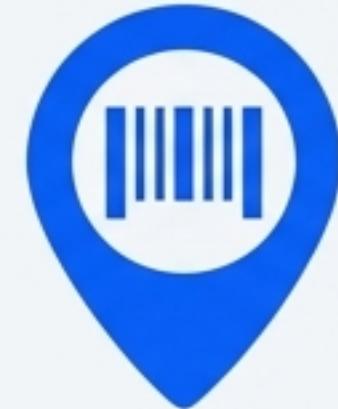
A Unified Platform for Real-Time Inventory



For Buyers

Key Feature: Map-based product discovery.

Benefit: Instantly find who stocks what you need, nearby.



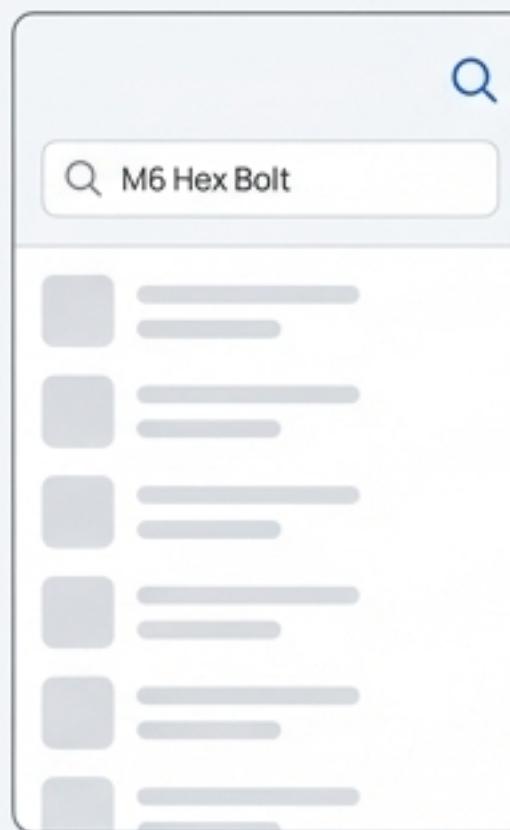
For Sellers

Key Feature: Barcode-driven inventory updates.

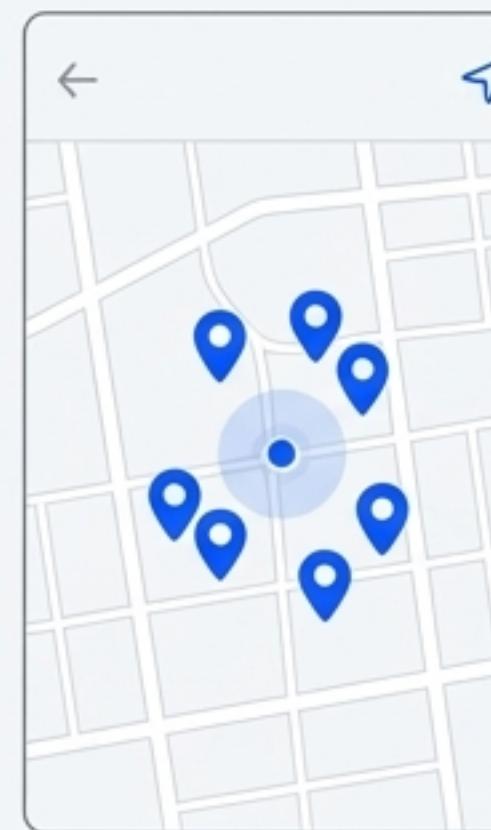
Benefit: List your entire inventory with a simple, fast, and error-proof system.

The Buyer Experience: Search, Find, Go.

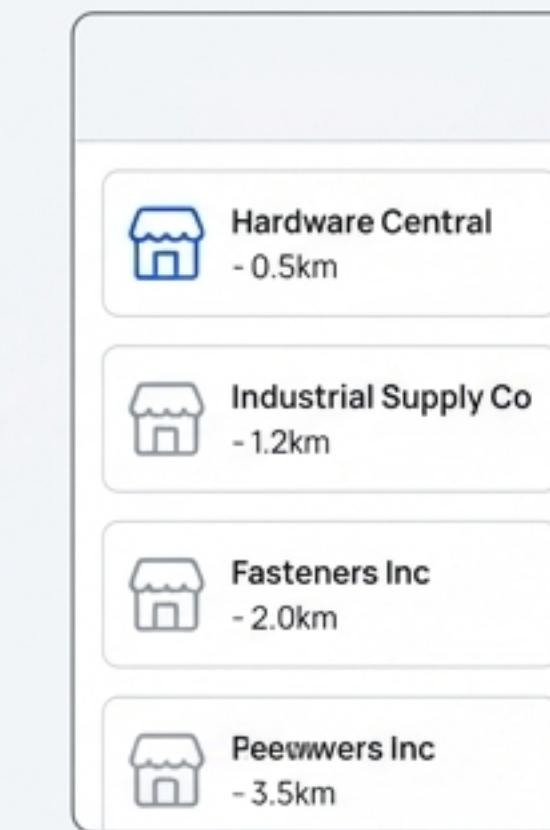
Search Product



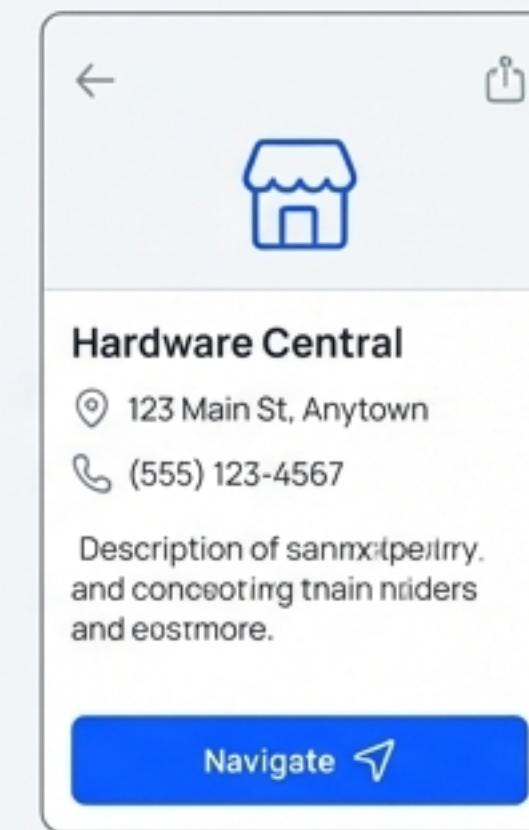
View on Map



Sort by Distance

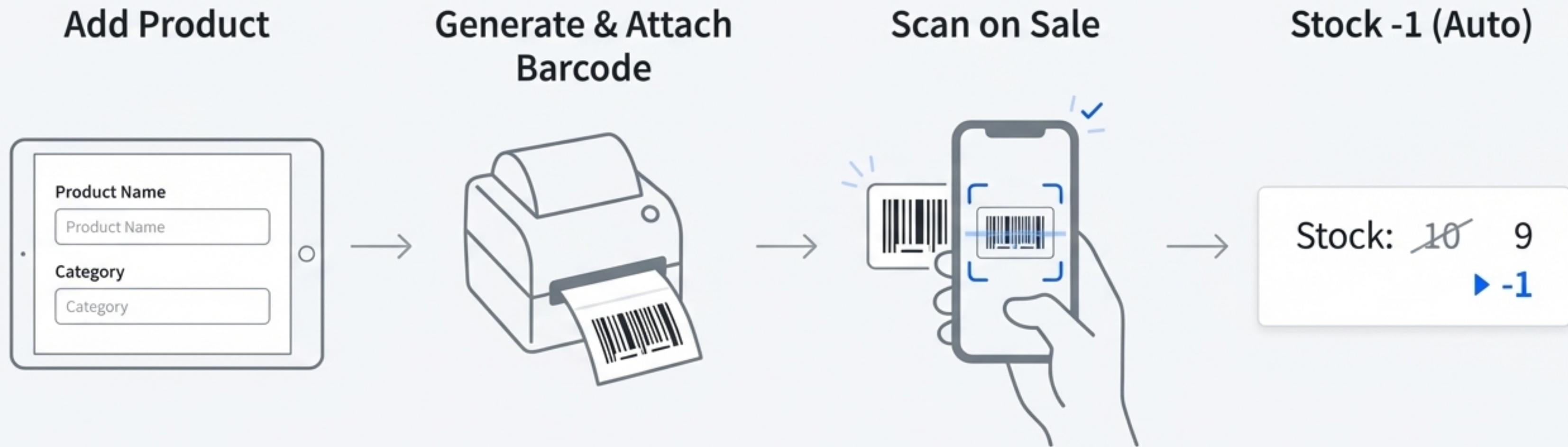


Get Details



- Product Search (by name/category)
- Map View with Seller Locations
- Distance-Based Sorting
- Seller Contact & Navigation

The Seller Experience: Scan to Digitize Inventory



One barcode = one unique product. No shared barcodes to ensure data integrity.

Built on a Rock-Solid Foundation

Product Data Model

```
Product {  
    product_id: UUID  
    product_name: String  
    category: String  
    barcode (unique): String  
    stock_qty: Integer  
    seller_id: UUID  
    location: GeoJSON (lat, lng)  
}
```

Pricing Logic

Supports both [per_unit_price](#) and [bulk_price](#) based on a seller-defined [min_order_qty](#).

Map & Location Logic

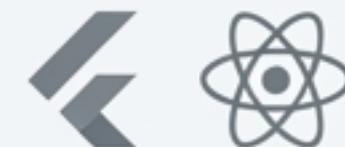
Sellers have [fixed GPS coordinates](#). Buyer searches are [radius-based](#) (e.g., 5km) with [category filtering](#) and [marker clustering](#) for performance.

A Modern, Scalable Technology Stack

Frontend

Source Sans Pro SemiBold

- Mobile: Flutter / React Native



- Web: React / Next.js



Backend

Source Sans Pro SemiBold

- API: Node.js / Python (FastAPI)



- Database: PostgreSQL



- Cache: Redis



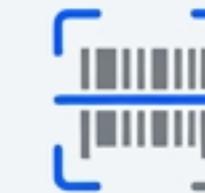
Core Services

Source Sans Pro SemiBold

- Maps: Google Maps / Mapbox



- Barcode: ZXing / ML Kit



(supporting EAN-13 + QR)

(Source Sans Pro Regular)

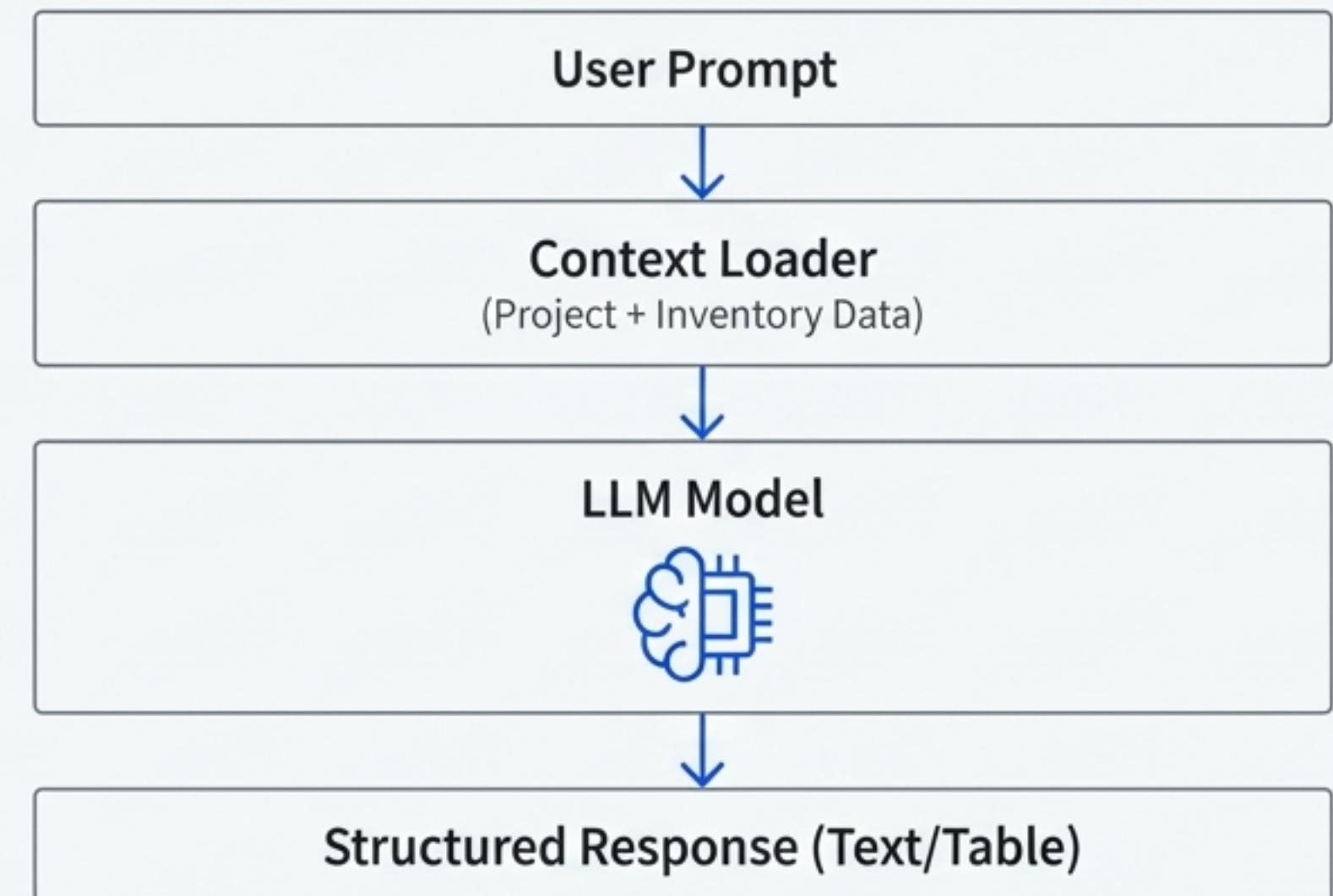
Intelligent Assistance, Not Just AI

We use LLMs for targeted, high-value tasks that streamline operations for both users and our team.

Key Applications

- Seller Onboarding Help
- Automated Product Description Generation
- Natural Language Buyer Query Understanding
- Analytics Summaries for Sellers

LLM Flow



Serving a Hyperlocal B2B and B2C Ecosystem



Target Sellers

Source Sans Pro SemiBold

- Small retail shops
- Factory outlets
- Warehouses
- Hardware & industrial suppliers



Target Buyers

Source Sans Pro SemiBold

- Home users & DIYers
- Contractors & tradespeople
- Small businesses
- Industrial buyers

Our Phased Path to Scale



Phase 1: Local Pilot

Focus:

Single city/zone

- Manual seller onboarding, validate core value proposition with seller-updated inventory.

Phase 2: Automation

Focus:

Product refinement

- Full barcode scanning implementation, stock alerts, launch seller analytics dashboard.

Phase 3: Scale

Focus:

Geographic and feature expansion

- Multi-city rollout, explore POS integrations, introduce paid seller plans.

Building a Multi-faceted Business Model



Seller Subscriptions

Freemium model with paid tiers for advanced features, analytics, and higher listing visibility.



Value-Added Services

Featured listings for sellers and logistics partnerships for delivery options.



Data Insights (B2B)

Anonymized data on local product demand and inventory trends for suppliers and enterprise clients.

Addressing Key Challenges Head-On

Challenge	Mitigation
Inaccurate Stock Data	Seller responsibility is core to the model. We enforce this with clear timestamps on all updates and a user reporting system.
Slow Seller Adoption	The UI is designed for simplicity. The barcode-driven flow minimizes manual data entry, making it faster than traditional methods.
Competition	Our defensibility lies in our unique, product-first discovery model, which existing platforms are not built for. We are an inventory tool, not just a business directory.

The Future is Mapped Inventory



GoLocal will become the essential utility for physical commerce, starting hyperlocal and scaling to a national inventory graph.

Our Immediate Next Steps

- Convert architecture into a technical PRD.
- Build a clickable prototype for user testing.
- Onboard and launch a pilot with our first 10 sellers in a single city zone.