

White Paper: QuickSnick by Valenceware — Inclusive Hyperlocal Retail Logistics for a Sustainable Future

Prepared by: Valenceware

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Location: Jammu & Kashmir, India

Executive Summary

QuickSnick, a flagship service of Valenceware, is a hyperlocal retail-to-doorstep delivery platform built to include community mom-and-pop shops and extend retail access to unserved categories such as books, antiques, crockery, stationery, sweets, dry fruits, nursery items, hosiery, and utensils. Unlike conventional quick-commerce models that focus narrowly on FMCG and groceries, QuickSnick empowers small shops, touches culturally significant product lines, and creates a delivery ecosystem that is both inclusive and sustainable.

Our pilot in Jammu processed **500 orders in August 2025**, achieving an estimated **300 kg CO₂ reduction** and generating **₹16,000 in community payouts**. This proves that sustainability and inclusion can be built into last-mile logistics while also preserving cultural retail diversity.

QuickSnick Economy Delivery Pilot Impact (August 2025)

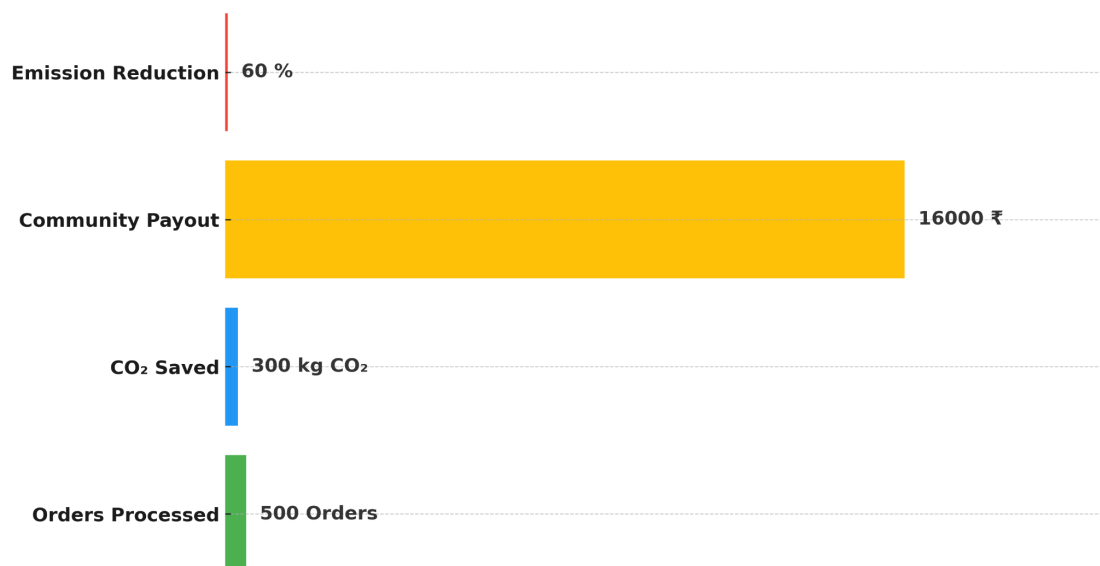


Figure 1: Impact Infographic (500 Orders | 300 kg CO₂ Saved | ₹16,000 Community Payout | 60% Reduction)

Context

Traditional gig-based quick-commerce relies on a dedicated motorbike trip per order. While fast, this model scales emissions linearly with distance, excludes local shops from participating in the delivery economy, and ignores culturally rich retail categories that require digital inclusion.

QuickSnick, powered by Valenceware's shared transport model, introduces **inclusive hyperlocal logistics**:

- Goods move via **buses already running established routes**.
- **Partner shops** act as micro-hubs ("hops") for local storage and last-mile handoff.
- Deliveries cover **unserved categories** such as antiques, crockery, dry fruits, stationery, and traditional sweets.

This model reduces emissions, lowers costs, expands retail participation, and aligns with **UN SDGs 1, 8, 9, 10, 11, 12, and 13**.



Figure 2: Logistics Flow Diagram



Figure 3: Photo of Matador Partner Vehicle (Public Transport)



Figure 4: Photo of QuickSnick Partner Shop (Hop)

Comparative Analysis

The following table compares emissions and payouts between conventional gig-based quick-commerce and QuickSnick's shared transport delivery model.

Distance (km)	Conventional CO ₂ / order (kg)	QuickSnick Shared Transport CO ₂ / order (kg)	CO ₂ Saved / order (kg)	% Reduction	Conventional Payout (₹)	QuickSnick Payout (₹)	Payout Difference (₹)	% Difference
2	0.20	0.16	0.04	20.0%	31	32	-1	-3.2%
5	0.50	0.25	0.25	50.0%	47	32	15	31.9%

8	0.80	0.34	0.46	57.5%	58	32	26	44.8%
11	1.10	0.43	0.67	60.9%	75	32	43	57.3%
15	1.50	0.55	0.95	63.3%	108	32	76	70.4%

Findings

Environmental Impact

- At 15 km distances, QuickSnick’s model reduces emissions by nearly **1 kg CO₂ per order**.
- Across 500 orders (August 2025 pilot), this equates to **~300 kg CO₂ saved** (a **60% reduction**).

Economic Impact

- QuickSnick ensures ₹20 per order to bus drivers and ₹12 per order to partner shops (₹32 total).
- Conventional models show payouts rising with distance (₹31–₹108), making costs unpredictable and excluding local actors.
- Our model redistributes value to bus drivers (earning above normal fares of ₹10–15) and partner shops, creating new micro-income streams.

Social & Cultural Inclusion

- By involving mom-and-pop shops and unserved product categories (books, antiques, crockery, sweets, etc.), QuickSnick preserves local retail diversity.
- The model lowers barriers to entry, ensuring small shops in border-state Jammu & Kashmir can compete digitally.

Other Works by Valenceware

In addition to QuickSnick, Valenceware is actively developing patented IoT-driven systems to advance sustainable infrastructure and retail inclusion.

1. IoT-Based Real-Time Traffic Management System (Application No. 202411007513)

This system uses IoT devices with GSM, GPS, and cloud analytics to dynamically optimize traffic flows. It calculates compliance speeds, prevents choke-point congestion, and reduces urban air pollution. The invention demonstrates our commitment to building **sustainable urban mobility solutions**.

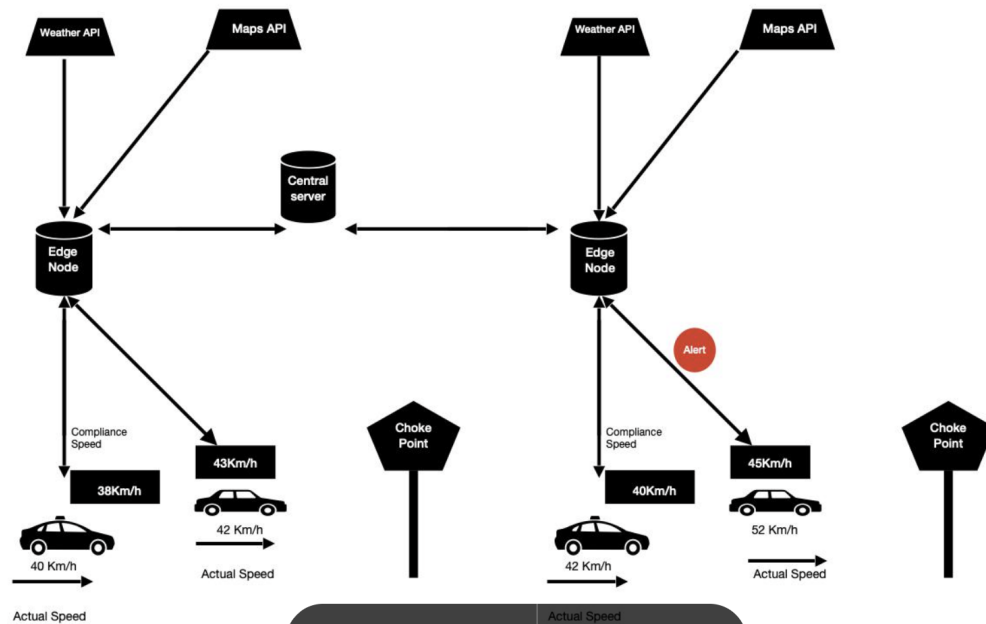


Figure 5: Patent Drawing — IoT Traffic Management System

2. IoT-Based Smart PoS for Small Retailers (Application No. 202311075610)

This invention automates billing, classifies inventory using AI, and provides real-time online product listings without requiring manual uploads. It bridges the digital gap for small shops, giving them retail visibility without technological barriers.

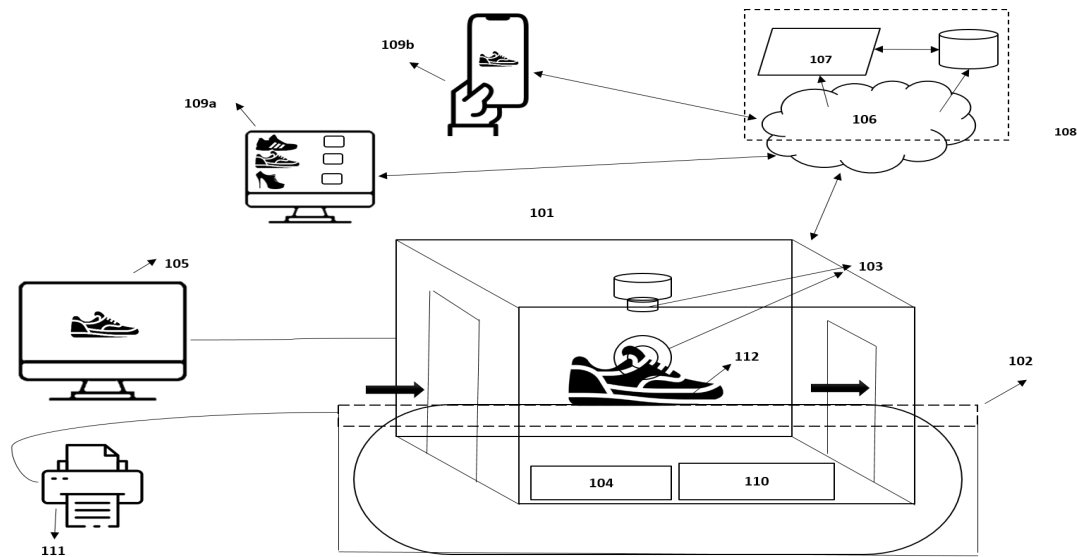


Figure 6: Patent Drawing — IoT Smart PoS System

Alignment with SDGs

- **SDG 1 (No Poverty):** Digital inclusion of mom-and-pop shops.
- **SDG 8 (Decent Work & Economic Growth):** Income for shops, bus drivers, and riders.
- **SDG 9 (Industry, Innovation, Infrastructure):** Shared transport + patented IoT systems.
- **SDG 10 (Reduced Inequalities):** Empowering underserved retail categories.
- **SDG 11 (Sustainable Cities & Communities):** Less congestion, broader retail access.
- **SDG 12 (Responsible Consumption & Production):** Efficient supply & reduced waste.
- **SDG 13 (Climate Action):** ~60% CO₂ reduction per order.

Conclusion & Vision

QuickSnick by Valenceware is not just about faster groceries; it is about delivering inclusion. By building a hyperlocal ecosystem rooted in sustainability, technology, and cultural diversity, QuickSnick demonstrates that hyperlocal delivery can:

- Reduce emissions
- Empower small shops & drivers
- Expand underserved categories
- Preserve local commerce

Valenceware's ongoing patent work — IoT-based Smart PoS (202311075610) and IoT-based Traffic Management System (202411007513) — reflects our long-term vision to integrate sustainable urban mobility and inclusive retail digitization.

This pilot is only the first step toward a climate-conscious, community-driven logistics ecosystem for 2030 and beyond.