

Cities are not failing because of food.

They are failing because of infrastructure.

AFIR

DNSH

NEB

DPP

Cities Mission

Investor Pitch Deck

EU-Compliant Urban Micro Infrastructure · March 2026

Problem

The micro infrastructure layer of cities is broken.

While large infrastructure systems transform, the smallest physical units still operate on 20th-century logic.

GRID-DEPENDENT

100% reliant on the central grid, zero local production

LOGISTICS-HEAVY

Every function depends on external supply, fragile chain

NON-RESILIENT

Fixed, immovable, dysfunctional in crises

NON-MEASURABLE

No data → no DNSH proof → funding access closed

75%

Inefficient EU building stock (EEA, 2026)

The problem is not lack of technology — it is institutional repetition of the wrong typology.

Why Now

EU regulation is no longer a trigger — it is binding.

Four frameworks simultaneously in force. Non-compliant infrastructure is no longer just old — it is un-fundable.

AFIR	DNSH	NEB	DPP
<p>(EU) 2023/1804 — In force April 2024</p> <hr/> <p>ISO 15118 mandatory: 8 Jan 2026</p>	<p>EU Taxonomy Reg. 2020/852 Art.17</p> <hr/> <p>No proof = no funding — precondition</p>	<p>Horizon Europe WP 2026-27</p> <hr/> <p>Beautiful + Sustainable + Together</p>	<p>ESPR Reg. 2024/1781</p> <hr/> <p>Registry: 19 July 2026</p>



EUI Call 4 deadline: 15 June 2026

Solution

ONE ESSE NODE is not a food system.

It is a city-grade infrastructure unit.

Infrastructure-first framing. Food / EV / kiosk = application layer, not the system itself.



Generates and stores
renewable energy



AC EV charging + micro-
mobility support



Public service space (NEB-
aligned)



Verified data + DNSH report
output



Circular: 3+ relocations, 15+
year life

You don't buy a farm. You deploy infrastructure.

System Architecture

Infrastructure / Digital / Application — three cleanly separated layers

L A Y E R 3

APPLICATION

Customer-selected

- AC 7-22 kW EV charging (AFIR + ISO 15118 + OCPP)
- Kiosk · Food point · Health · Information
- Crisis coordination · Communication hub

L A Y E R 2

DIGITAL

Enablement: differentiation

- IoT edge gateway · MQTT/HTTPS · GDPR-compliant
- Verified Lite: monthly DNSH report, audit trail, ESG document
- DPP-ready data architecture

L A Y E R 1

INFRASTRUCTURE

Core: what is sold

- PV solar 5-10 kWp + LFP 10-20 kWh + grid-interactive hybrid
- ISO 668 steel frame · 2-7 day deployment
- Water management (optional module)

Energy Architecture

Not off-grid. Grid-interactive resilience system.

Engineering honesty: peak shaving + island mode. No overclaim.

10 kWp ENERGY+ — Eskişehir (PVGIS)

Annual production	~14,500 kWh/yr
Daily average	~40 kWh/day
Summer peak / Winter min	55 / 18 kWh/day
Peak shaving	Grid load 60-80% ↓
Island mode	12-36 hours critical autonomy
Operating temperature	-20°C to +50°C stable

Load Prioritisation



Critical: lighting, communications, security



Service: kiosk, Wi-Fi, screens



Charging: EV / e-bike — on energy surplus

Verified Lite

If it's not measurable, it's not fundable.

Data is generated at infrastructure level, not product level. This is the technical proof engine for EU funding access.

Energy	kWh production, battery SoC/SoH, grid import/export
Usage	Uptime %, EV sessions, pedestrian traffic
Environment	CO ₂ reduction, embodied carbon comparison
Compliance	Monthly DNSH report (PDF), audit trail (CSV)
DPP	Data architecture embedded — ready 19 July 2026







THE MOAT

*What competitor systems
cannot deliver*

Regulatory Compliance Matrix

Policy Convergence: 6 EU frameworks in one infrastructure asset

ONE ESSE doesn't adapt to regulation — regulation makes systems like ONE ESSE mandatory.

FRAMEWORK	MEANING	ONE ESSE
AFIR	EV infrastructure + ISO 15118-2 + OCPP	
DNSH	Monthly export + audit trail + 6 objectives proof	
NEB	Beautiful + Sustainable + Together — core criteria	
DPP	Data architecture DPP-ready, registry-prepared	
EUI / Cities Mission	Demonstrator candidate + neighbourhood scale	
TEN-T	Multimodal hub compliance — 2030 mandate	

Market Opportunity

Not a saturated market — a new category at the intersection of three.



EV Charging Infrastructure

\$10B → \$79B

IEA 2025

CAGR 24.9%

Smart Solar Urban Eq.

\$10.7B → \$29.8B

MRFR 2025

CAGR 9.8%

Modular Construction (Global)

\$121B → \$217B

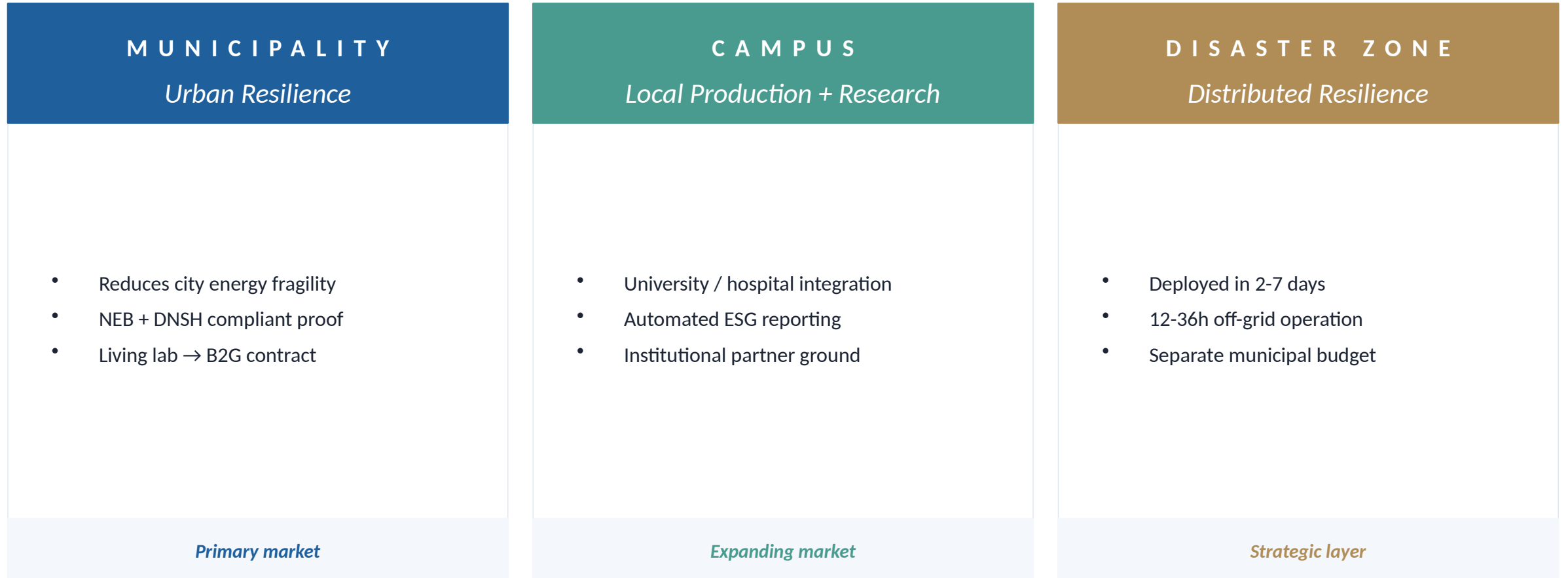
GVR 2025

CAGR 7.6%

The pieces exist — the system does not. ONE ESSE is the missing integration layer.

Use Cases

Same infrastructure unit — three different markets.



Business Model

Living lab → paying-customer conversion line

Primary model: Infrastructure leasing + service contracts (B2G / B2B). Five revenue streams converge on a single asset.

1	Leasing / IaaS	<i>Primary model · 36-60 months</i>	€1,500-3,500 / month
2	B2G Direct Sale	<i>Fleet purchase · municipality/campus</i>	€120-195K / unit
3	Verified Lite SaaS	<i>KPI + DNSH subscription</i>	€8-15K / year
4	EV Charging Revenue	<i>Revenue share, supplementary</i>	€300-800 / month
5	DOOH / Advertising	<i>Digital screen, location-based</i>	Variable

Unit Economics

Computable. Range-based. Engineering honesty.

CAPEX

CAPEX (BASIC + ENERGY+)	€80-120K
Install + Permit	€15-30K
TOTAL DEPLOYMENT	€120-195K

ANNUAL REVENUE / UNIT

Lease revenue	€18-42K / year
EV charging revenue	€3.6-9.6K / year
Verified Lite SaaS	€8-15K / year
TOTAL ANNUAL REVENUE	€30-67K / unit

3-6 years

ROI no grant

1-2 years

ROI with 70% EU grant

€36-58K

Effective investor cost (~one third of sticker price)

Conventional infrastructure amortises once. Node amortises multiple times across sites.

Competitive Advantage

The pieces exist — the integration does not.

Energy + mobility + public service + data + NEB aesthetics in a single asset — competitor systems don't have this cluster.

Criterion	Concrete kiosk	EV charger	Solar kiosk	ONE ESSE
Energy production	X	X	☉	✓
Relocatable	X	☉	☉	✓
Multi-function	X	X	X	✓
AFIR compliance	X	✓	X	✓
NEB aesthetics	X	X	☉	✓
DNSH documented	X	☉	☉	✓
EU grant eligible	☉	☉	☉	✓

Integration is the innovation.

Pilot Plan

1 city. 1 node. 1 measurable system.

City	Eskişehir — university city, municipal partnership readiness
Location	Municipal square or campus entrance
Package	ENERGY+EV (full integrated configuration)
Duration	8-12 weeks of operation + data collection
Partner	Municipality (LOI-1 + LOI-2) and/or university

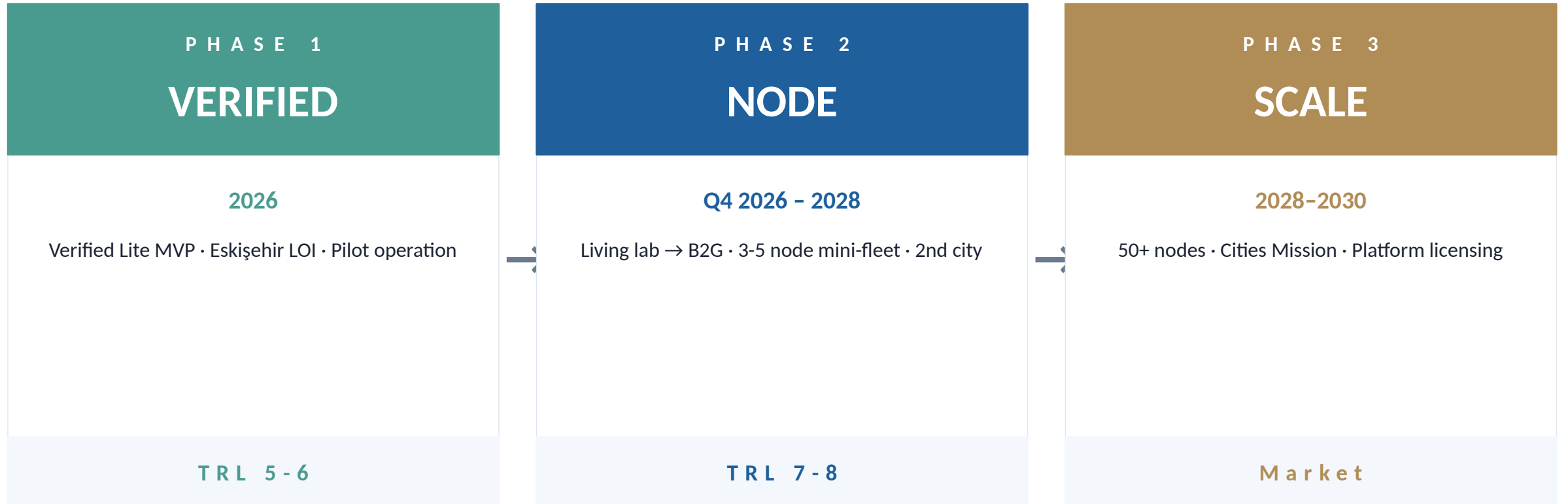
THREE VALIDATION TARGETS

- 1** Validate energy — peak shaving, island mode, production
- 2** Validate operations — installation, maintenance, uptime
- 3** Validate data — DNSH compliance, DPP readiness

→ First KPI report → EUI Call 4 application (15 June 2026)

Roadmap

VERIFIED → NODE → SCALE



Investment Ask

SEED / BRIDGE

€200K – €500K

Seed / Bridge

USE OF PROCEEDS • SEED €500K

Prototype production (1 ENERGY+EV)	€200K
Pilot installation + site	€80K
Verified Lite MVP + DPP architecture	€60K
Operations (12 months)	€80K
Legal + EUI application	€30K
Reserve (10%)	€50K

SERIES A TARGET

€1.5M – €3M

Series A target

WHY NOW

- 1 AFIR in force + ISO 15118 mandatory (8 Jan 2026) → non-compliant competitors eliminated
- 2 EUI Call 4 open — deadline 15 June 2026
- 3 LFP + PV at historic lows (IRENA: 89% drop 2010-2023)
- 4 DPP registry 19 Jul 2026 → data-ready systems advantaged
- 5 First-mover window: 12-18 months to set the category standard

Cities are changing.

Infrastructure is not.

ONE ESSE breaks the lock.

We don't build kiosks. We deploy infrastructure.

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