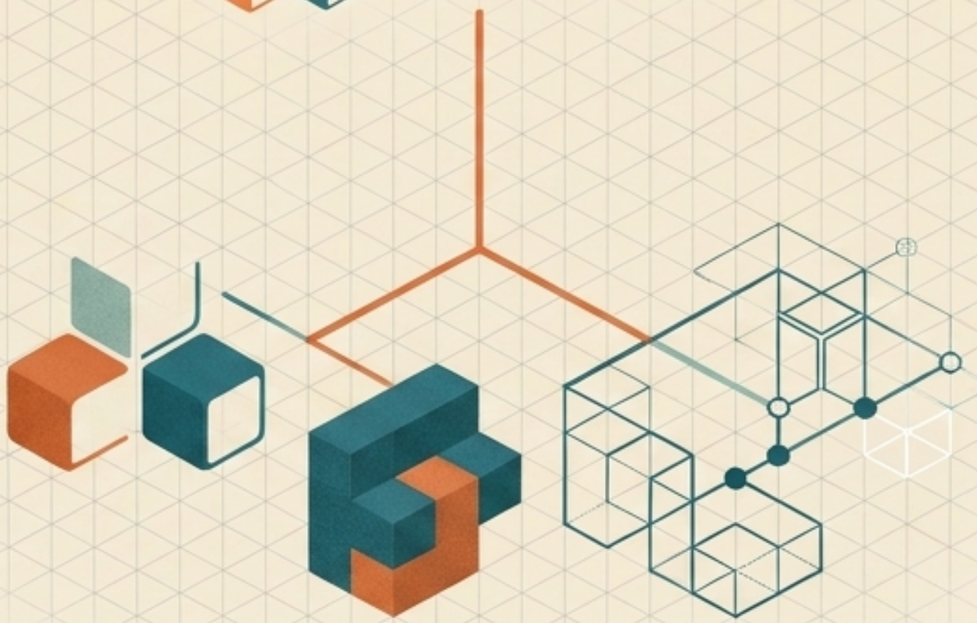
LEGOLITH



Transforming Prefabricated Construction from a Physical Bottleneck into a Scalable Digital Protocol.

The Integrated Discrete-Construction Platform.

We Built the Factory (The Golbool Sabz Era)

Successfully designed and executed 15+ prefabricated projects utilizing physical production lines and local workforce expertise.

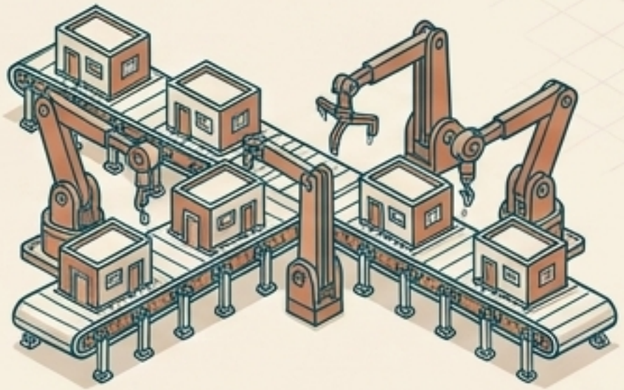
We Hit the Physical Limit

1. Customization Kills Efficiency
(Human error in drafting causes delays)

2. CapEx Limits Growth
(Scaling requires massive investments in land and machinery)

3. Unscalable Output
(Capped at 2-3 concurrent projects)

The Core Paradox of Construction



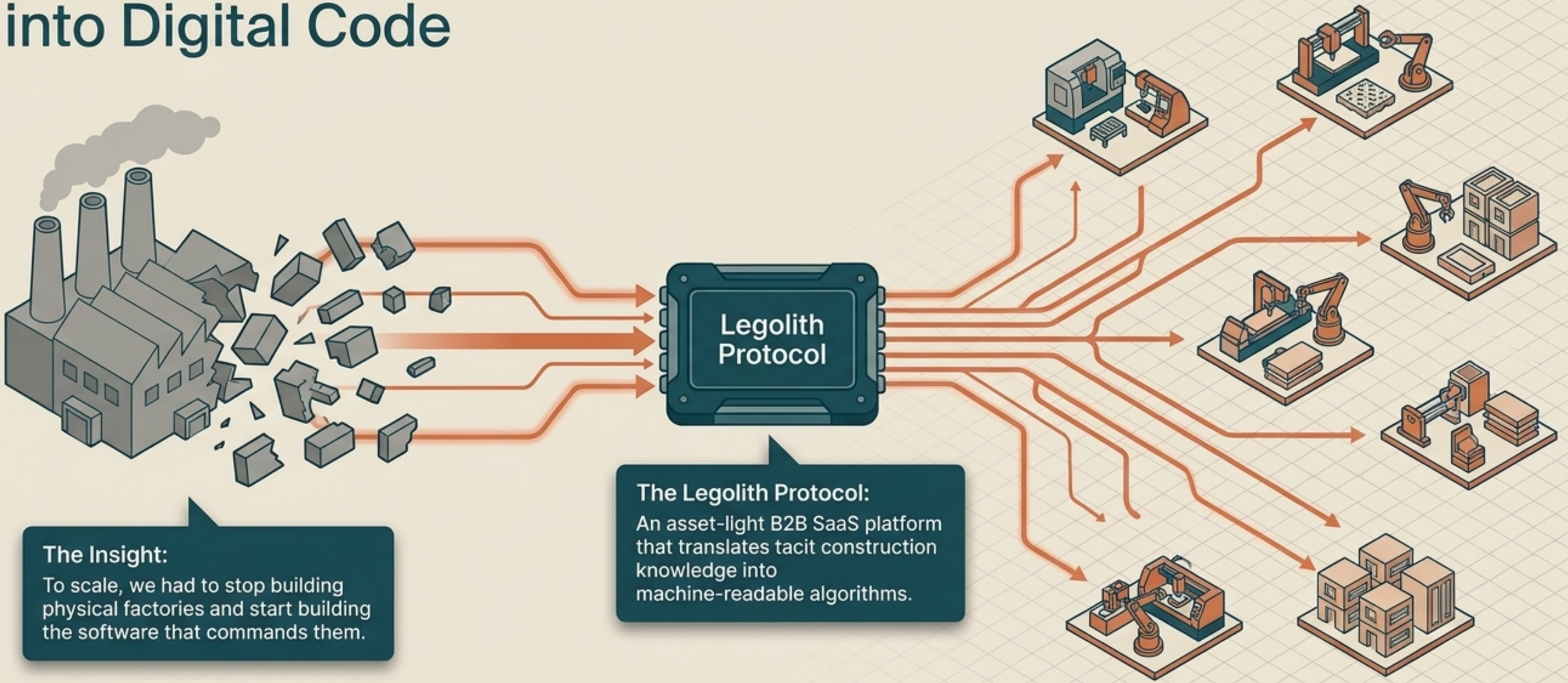
100% Efficiency

Mass production achieves scale but forces monotonous, inflexible designs that developers and buyers reject.

100% Custom Design

Traditional architecture allows total freedom but creates unpredictable costs, unmanageable supply chains, and zero scalability.

Encapsulating Physical Knowledge into Digital Code



The Insight:
To scale, we had to stop building physical factories and start building the software that commands them.

The Legolith Protocol:
An asset-light B2B SaaS platform that translates tacit construction knowledge into machine-readable algorithms.

Algorithmic Architecture ensures every custom design is instantly manufacturable.

The NBT (Nested Blocks Tree) Engine in Action.

Step 1: Architect Designs Freely.

The user snaps together Legolith's smart modules.

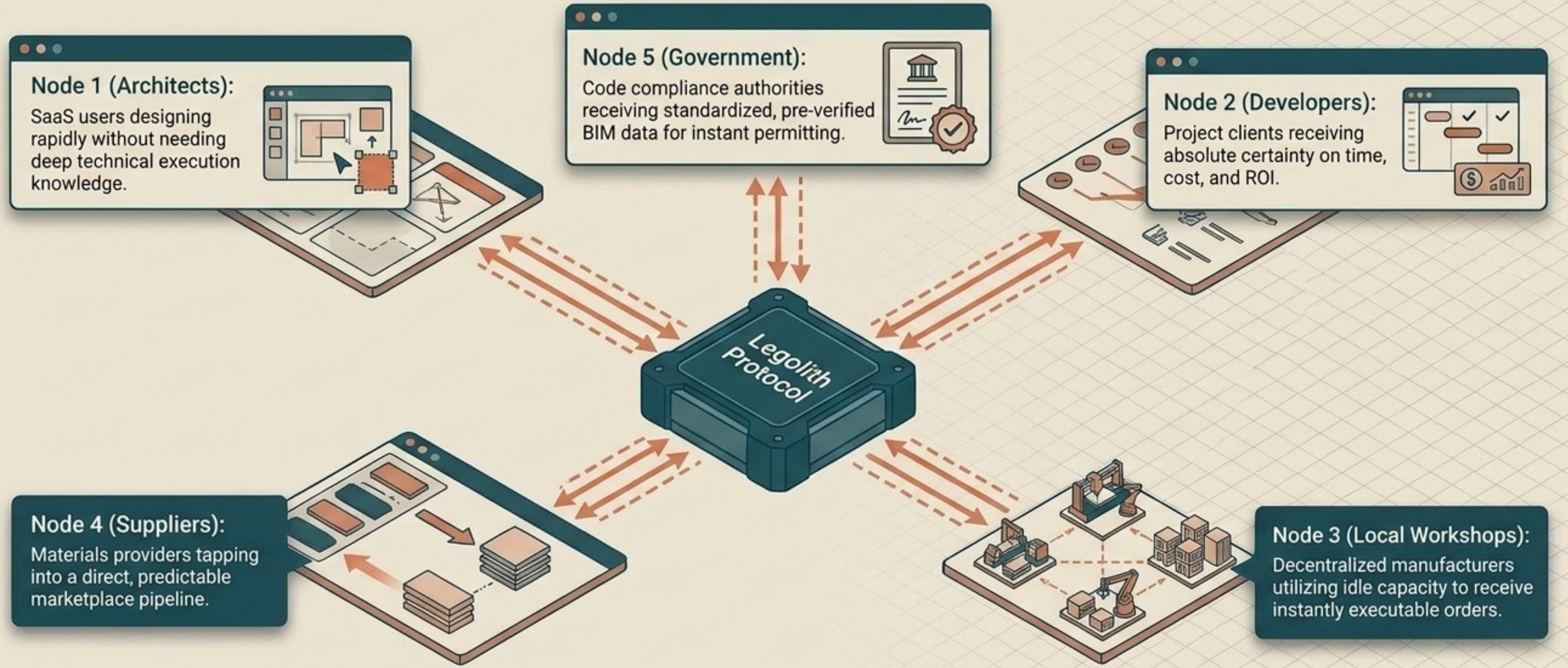
Step 2: Smart Adjacency Rules Enforced.

The protocol instantly checks structural integrity, **MEP** (Mechanical, Electrical, Plumbing) compatibility, and local building **codes**.

Step 3: Instant Generation.

Within minutes (not months), the engine outputs a **flawless IFC file**, Bill of Materials (**BOM**), Bill of Services (**BOS**), exact pricing, and encoded **manufacturing syntax**.

A Decentralized Ecosystem Orchestrated by One Protocol.



The Paradigm Shift: From Heavy Assets to Infinite Scale

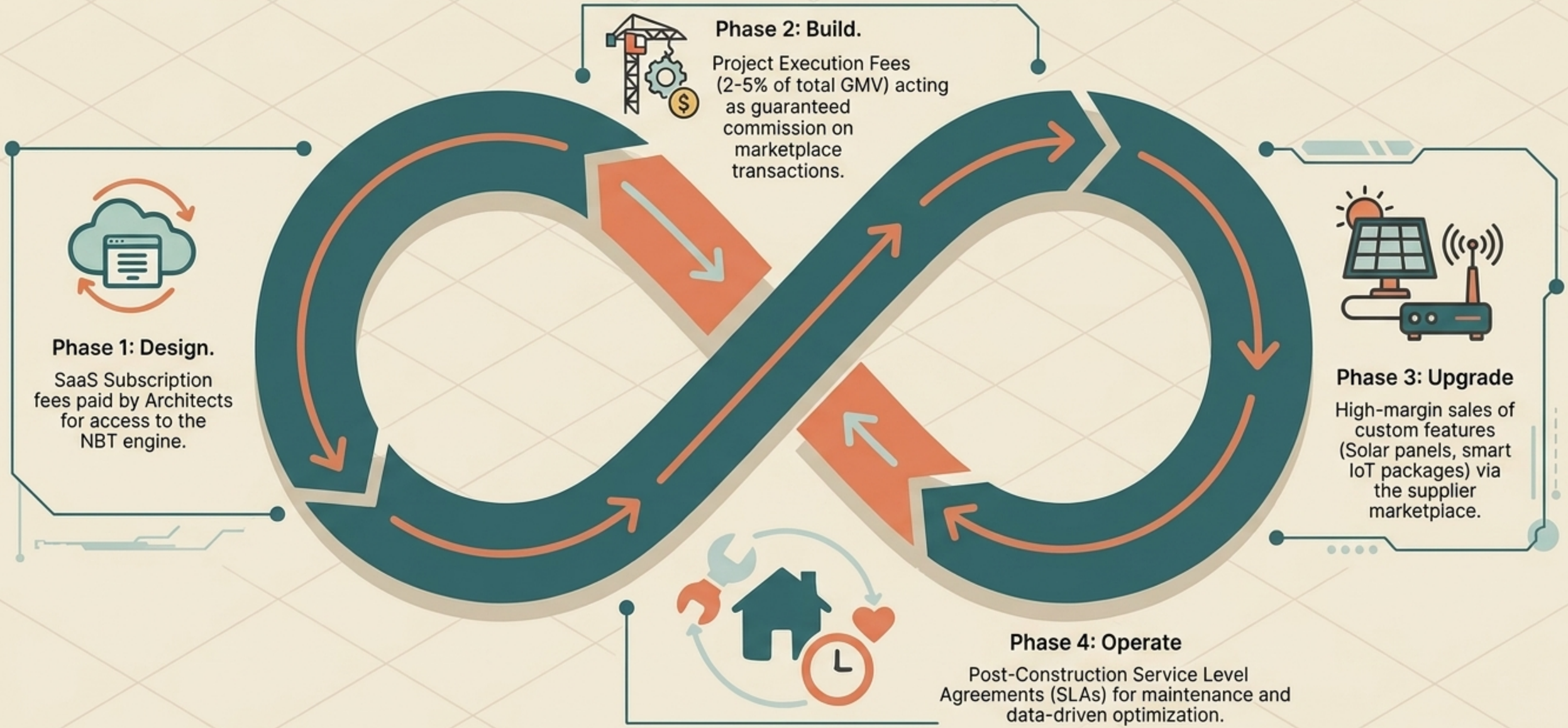
	Traditional Factory (Golbool Sabz)	Asset-Light Protocol (Legolith)
Knowledge Format	Tacit, residing in human memory.	Encapsulated, algorithmic, and machine-readable.
Technical Output	**Manual**, error-prone drafting (Months).	Automated, instant BIM/IFC generation (Minutes).
Scalability	CapEx heavy, strictly limited by factory floor space.	Infinite scale by routing orders to a decentralized web of local workshops.
Pricing	Retrospective estimation.	Real-time, algorithmically guaranteed cost.

The Competitive Moat: Learning from Global Failures

Features	Legolith	Katerra	Cover	Procore
Asset-Light Protocol	✓ Yes	✗ Bankrupt $11B due to heavy factory CapEx	✗ No	✓ Yes
Free Algorithmic Design	✓ Yes	✓ Yes	✓ Yes	✗ No
Open Supply Network	✓ Yes	✗ No	✗ No	✓ Yes
Full Lifecycle Integration	✓ Yes	✗ No	✓ Yes	✗ No

Legolith avoids the gigafactory trap by commanding the protocol, not the physical real estate.

The Hybrid Revenue Lifecycle.



The Data Moat: Creating Living Digital Assets.

Legolith Digital Asset

Card 1

Digital DNA

Because Legolith generates the exact manufacturing code, we possess the complete **'Digital Twin'** and component **history** of every structure.

Card 2

Data Network Effects

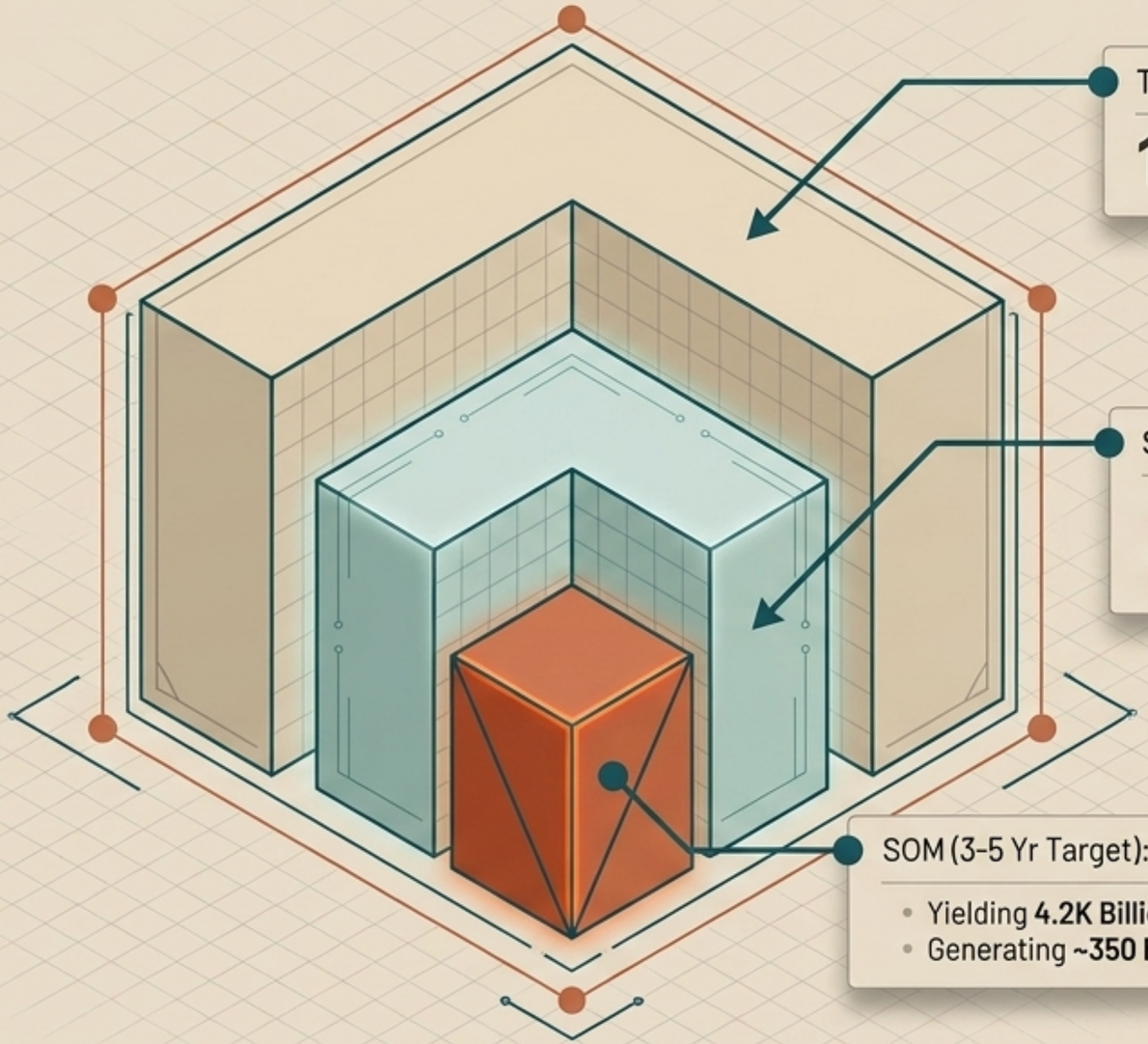
Every executed project feeds localized cost, timeline, and material data back into the central algorithm, making the protocol smarter with every build.

Card 3

High Switching Costs

Once a developer builds and manages a property on the Legolith OS, migrating to a fragmented traditional system becomes financially and operationally unviable.

Market Opportunity: The $15 Trillion Global Horizon



TAM: Global Low-rise Construction

15 Trillion USD

SAM: MENA/Iran Prefab Construction

~70-90 Billion USD / 210K Billion IRR

SOM (3-5 Yr Target): 2% capture of the Iran market

- Yielding **4.2K Billion IRR** in Gross Merchandise Value (GMV)
- Generating **~350 Billion IRR** in Net Revenue

Market Timing: Why Now?

Card 1

Economic Squeeze

The era of cheap labor and high margins is over. Extreme material cost volatility makes traditional retrospective pricing bankrupting.

Card 2

Regulatory Pressure

Stringent ESG requirements and energy consumption regulations mandate the precise monitoring that only a digital twin can provide.

Card 3

Technological Maturity

The convergence of advanced AI, cloud-based BIM, and IoT hardware has finally made automated algorithmic architecture viable.

The Unfair Advantage: The Fusion of Code and Concrete.

Amin Bahrami (CEO)

Expertise: Deep Tech, AI, Computational Architecture

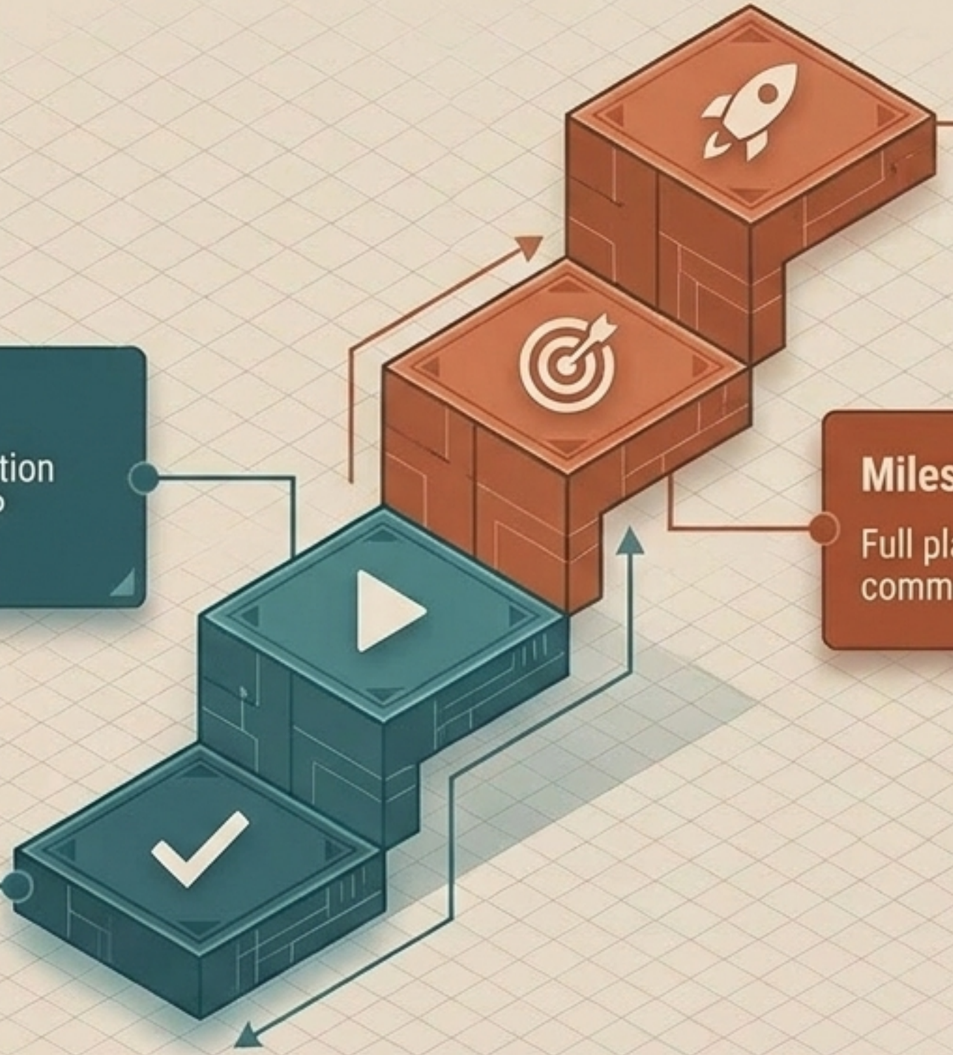
Background: Over 25 years teaching computational tech, creator of globally adopted architecture automation tools, deep experience in decentralized prefab networks.

Mohammad Reza Dadkhah Aseman (COO)

Expertise: Real-world Factory Operations, Supply Chain Logistics

Background: Successful management of Golbool Sabz, deep on-the-ground experience with the physical chaos, logistical bottlenecks, and workforce realities of construction.

Traction & Product Roadmap



Milestone 1 (Completed):

Decades of tacit knowledge generated across 15+ real-world projects successfully translated into initial algorithms.

Milestone 2 (Current):

$15 Billion IRR in active construction contracts secured. Platform MVP currently active in pilot phases.

Milestone 3 (T+6 Months):

Full platform completion and commercial SaaS launch.

Milestone 4 (Future):

Scaling the decentralized network across regional mega-projects.

Building the Operating System for the Future of Construction.

The Ask: Raising 40,000,000,000 IRR (~$67,000 USD equivalent)

The Offer: 15% Equity Stake
(Includes anti-dilution protection for 3 years)

1. Finalize the core SaaS platform architecture (Runway for the next 6 months).
2. Launch the decentralized manufacturing protocol.
3. Expand B2B market penetration.

Join us in transforming construction from a high-risk physical gamble into a precise, highly profitable digital asset.