DANDELION

A WEB3 PLATFORM TO
REALIZE THE METAVERSE.

Dandelion

THE PLATFORM FOR WEB3

Dandelion is the first L1 built and tested for a Web3 world.

NETWORK:

- Operational and scalable transaction platform
- Smart contracts

DAPPS:

- Payments inside social networks
- Verifiable digital identity
- Full NFT marketplace

Designed for development. Built for end-users

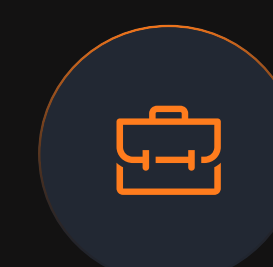# WHAT LIMITS THE MASS ADOPTION OF CRYPTO+WEB3 TOWARD A METAVERSE?

L1s invest billions into dedicated communities of Layer-2s hoping to ==add==ress these.
What if they never needed a Layer-2 again?

Inaccessible product-centric UIs. [1,2,3]

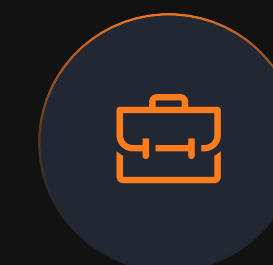Transaction costs for low-value payments/transactions. [1]

Environmental (energy) concerns. [1]

Security and mistrust (fraud, Ponzi+Pyramid, rug-pulls). [1,2]

Blockchains are slow and may need more Layer-2s to alleviate constraints. [1,2]

No "killer app". [3]

1 - McKinsey, "Web3 Beyond the Hype", Sep-2022
2 - DappRadar, "2021 Dapp Industry Report", Dec-2017
3 - CMSWire, "Web3 and the Barriers to General Adoption and Acceptance", Apr-2022

Problem

LAYER-2s CAN CRAM MORE TRANSACTIONS-PER-SECOND (TPS) INTO A BLOCKCHAIN. 1
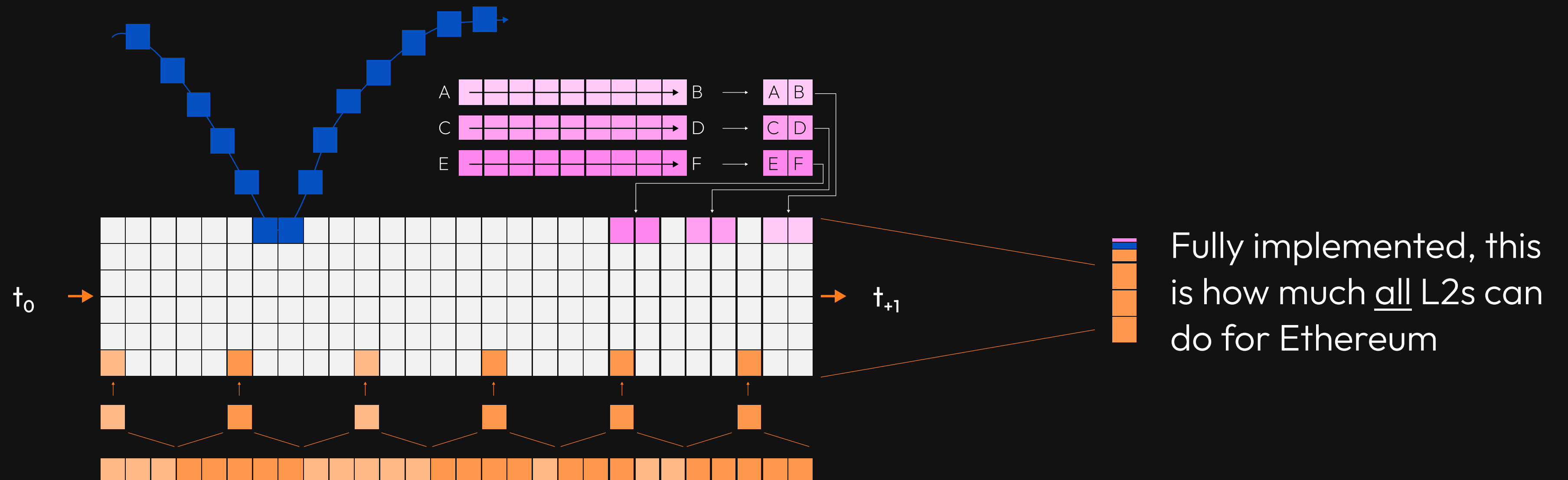
SIDECHAINS
have intermittent settling just to
ensure matching records.

STATE CHANNELS
must establish between two parties,
then aggregate all transactions
before insertion.

ROLLUPS/PLASMA
try to expedite transactions,
aggregate, compress, then insert.

t_0

t_{+1}

Fully implemented, this
is how much all L2s can
do for Ethereum

■ ~500 txns

Problem

A LOT CAN HAPPEN
IN 1 SECOND

Ethereum and all its related L2s max out at 4,000 TPS.
Dandelion manages 250,000 TPS. Per shard. [1]

Just imagine what that could open up...

ETHEREUM
L1 + <u>all</u> L2s

DANDELION
(PER SHARD) [1]

■ ~500 txns
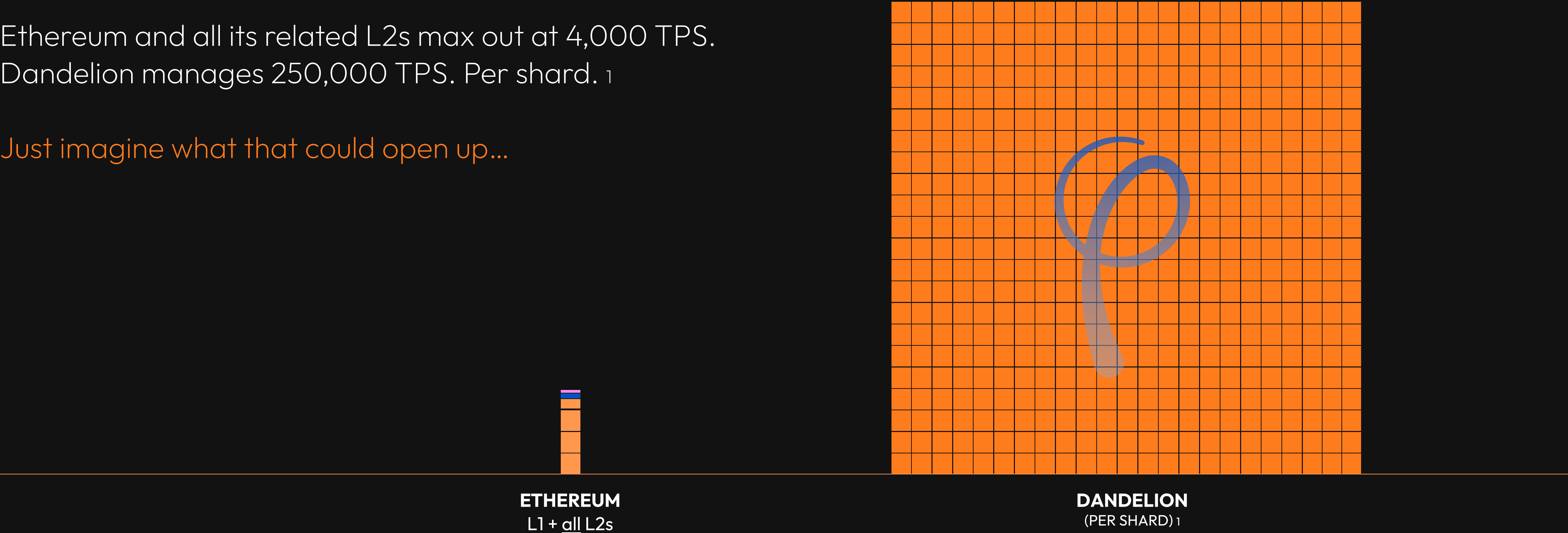
1 - Ask us sometime. It's pretty cool.

DANDELION NETWORK

Dandelion rebuilt L1 so no more L2.
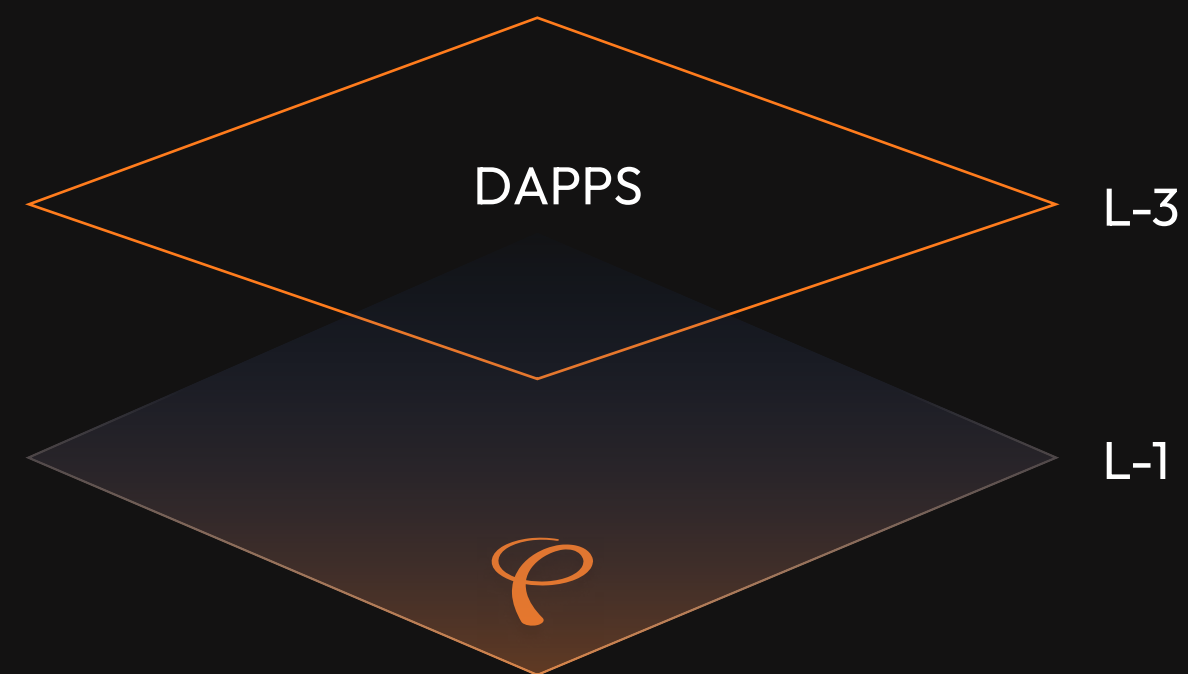
DAPPS
L-3

L-1

SPEED

Speed. Speed doesn't have to come at the cost of Security or Decentralization. Dandelion's method offloads network activity more than 90%.

Insight: "Incentivize transactors to finalize."

Dandelion offloads exploits and vulnerabilities away from the network.

SECURITY

Dandelion eliminates the Top-7 exploits on Ethereum (Solidity) and the Top-5 on Solana (Rust). We reduce human-error to "n00b-proof".

Insight: "Incentivize nodes to decentralize."

Tech

DEVTOOLS FOR EVERYONE

Dandelion is the first to prove:

Parallel smart contracts are achievable

PARALLEL PROCESSING (NEVER LOCKING)
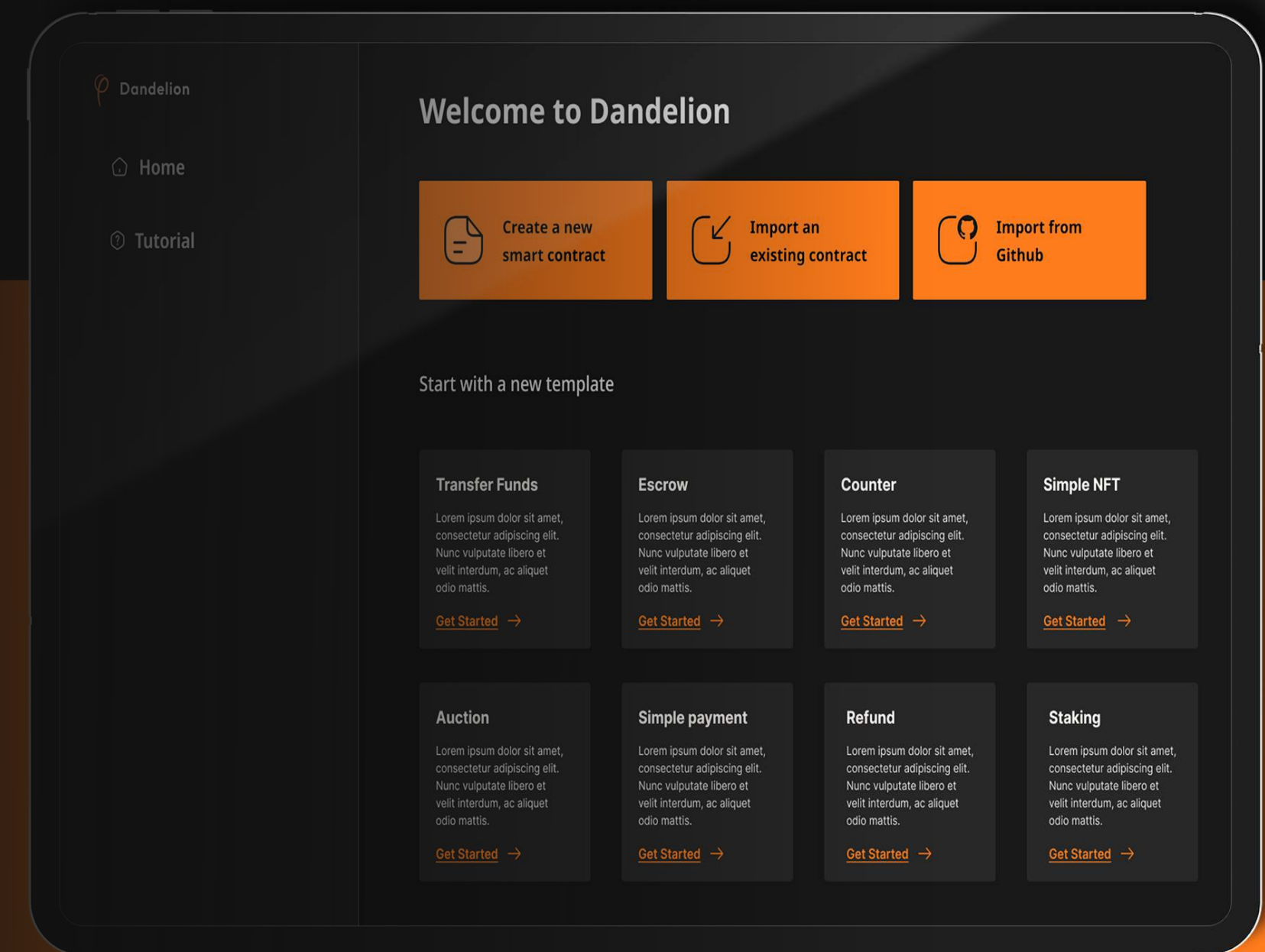
40-60% FASTER CI/CD

DRAG-AND-DROP SMART CONTRACTS

LIVE ERROR-CHECKING

SEAMLESS PUSHES

SEAMLESS INCLUSION OF 3RD PARTY DAPPS
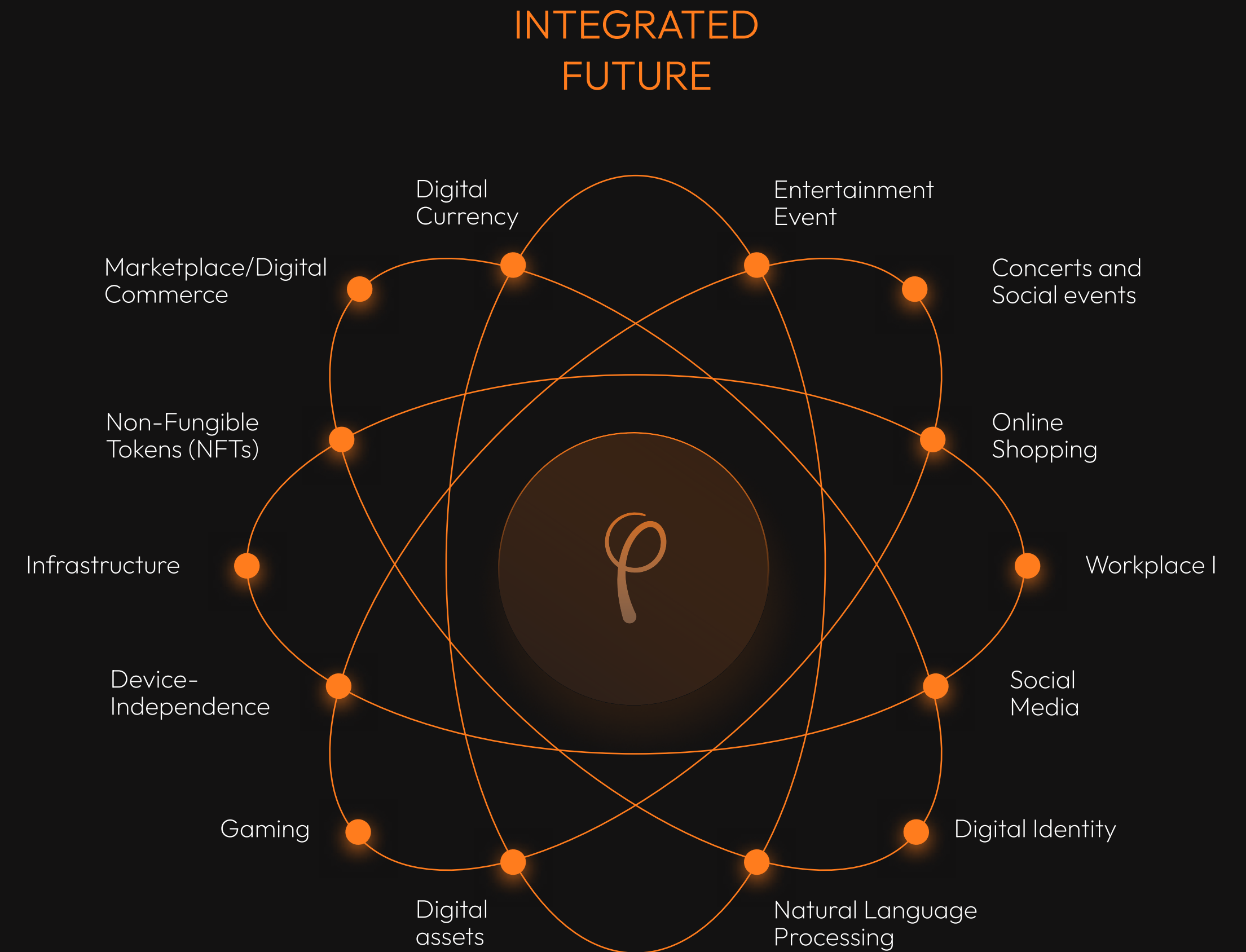
Competitive landscape:

LAYER-1S

Right time to invest in the right L1.

	HQ	Raised (US$MM)	Scale (TPS)	Finalization (s)	Latency (s)	Errorless	Prioritization
Dandelion	Canada	$ 0.5	250,000	1	1	Yes	Yes
Solana	USA	$ 315.8	50,000	1	9	No	No
Fantom	South Korea	$ 40.1	25,000	1	8	No	Possible
Polygon	India	$ 451.5	7,000	3	12	No	Possible
Flow	Canada	$ 18.0	5,000	n/a	n/a	No	No
Avalanche	Singapore	$ 580.0	4,500	2	6	No	Possible
Stellar	USA	$ 103.0	2,500	n/a	n/a	No	No
Polkadot	Switzerland	$ 293.7	1,000	12-60	5	No	Possible
Algorand	USA	$ 132.0	1,000	n/a	n/a	No	Possible
Cardano	Switzerland	$ 62.2	250	n/a	n/a	No	Possible

Our vision

ONE PLATFORM FOR WEB3 CONVERGENCE

It needs a robust platform:

A SEAMLESS CX

SUPER-FAST – 250,000 TPS/SHARD

ERROR-LESS CODING ENVIRONMENT

FINALIZATION – 0.67 SECS

VERY LOW LATENCY

STRONG SECURITY AT THE DAPP LEVEL

HIGH RESILIENCY

Digital Currency

Entertainment Event

Marketplace/Digital Commerce

Concerts and Social events

Non-Fungible Tokens (NFTs)

Online Shopping

Infrastructure

Workplace I

Device-Independence

Social Media

Gaming

Digital Identity

Digital assets

Natural Language Processing

Dandelion provides the speed and scalability necessary for realizing a convergent Web3

Our vision

DANDELION DELIVERS THE METAVERSE.

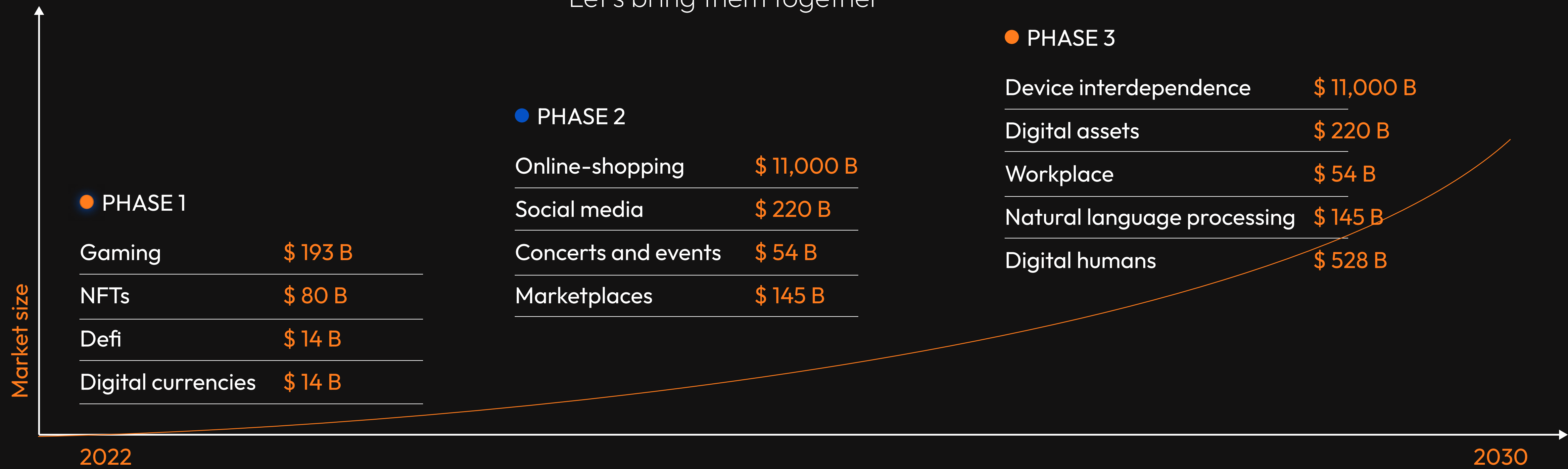An interoperable platform, scalable to integrate metaverse applications.

A low-code dev studio providing rapid, error-free coding

Our vision

EACH METAVERSE MARKET IS ALREADY BIG AND GROWING RAPIDLY

Disconnected multi-billion dollar markets -

Let's bring them together

● PHASE 3

Device interdependence	$ 11,000 B
Digital assets	$ 220 B
Workplace	$ 54 B
Natural language processing	$ 145 B
Digital humans	$ 528 B

● PHASE 2

Online-shopping	$ 11,000 B
Social media	$ 220 B
Concerts and events	$ 54 B
Marketplaces	$ 145 B

● PHASE 1

Gaming	$ 193 B
NFTs	$ 80 B
Defi	$ 14 B
Digital currencies	$ 14 B

Market size

2022

2030

1 - Analysis of Gartner's conceptualization. Market sizes from various.

ENTERPRISE SALES WITH BASIC NETWORK OPS

ENTERPRISE SOLUTIONS

- **Bundled enterprise pricing**
- **2-year fixed cost**
- **Upfront business analysis and implementation**

TOLLING AND ROYALTIES

- Tolling on PublicNet
- Royalties on Developer Marketplace

ADDITIONAL PRODUCTS & SERVICES

- Launched products (i.e., integrated messaging and payment dapp)
- Node-hosting fees
- Product training and support

Roadmap

MILESTONES AND EXPANSION THROUGH YE-2023

FIRST PRODUCTS
Co-development toward our SDK
First LOIs for first customers

PLATFORM + DAPP LAUNCH PATH
SDK Input resolved into DDLN Dev Environment

SMART-CONTRACTS
Enabling automation of clearing/settling
Backend of developer environment

SOCIAL PLATFORMS
Launches:
• Public Mainnet
• NFT Marketplace
• Social media dapp expansion

STABLECOINS
• Stabilization and decentralization of the Validating servers
• Liquidity bridges

4Q-2022   1Q-2023   2Q-2023   3Q-2023   4Q-2023

DEV COMMUNITY OUTREACH
Engagement with key strategic partners
• first dev communities
• PR campaigns

MAINNET PRIVATE
Mainnet launch, with open-source consensus disclosures

DAPP DEMONSTRATION
P2P distributed messaging and payments

FOUNDATION ESTABLISHED
Legal arrangement for jurisdiction and long-term community vision
• tokenomics hardening
• organizational structuring

dandelion foundation

TOKEN GENERATION EVENT
Launch of remittance utility
• End-user compatibility for self-directed communities
• Cross-chain and bridge APIs released

VALIDATOR (GLOBAL) EXPANSION
Stabilization and decentralization of the Validating servers
• auction of validator eligibility
• opening of the mainnet to DAO authority

Team

CORE TEAM

A team that builds and executes.

ALEX MUNRO
Co-founder & CEO

14 yrs in VC
Industrial portfolios DPI 5.5x
Network analyst for financial hedges

PAUL CHAFE
Co-founder & CSO

Designer of Dandelion's core technology
30 years of tech entrepreneurship

JASON XU
Co-founder & VP Engineering

ElecEng, U Waterloo,
Built Canada's national blood tracking system
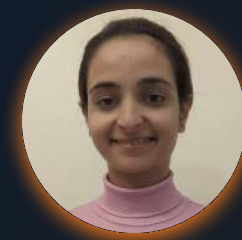
IRENE KATZELA
CTO

PhD MSc ElecEng, Columbia U
Network architect for Bell, Cisco

ESTELLA YEUNG
Co-founder & VP Operations

Financial IT systems designer
Nuclear project technical planner

JOY OSIVE
Lead – WASM

Leads 20-person dev-shop
First WASM-first smart contracts

DUNCAN CAMERON
VP Business Development

25 yrs in technology sales
Blockchain sales since 2016

JEREMI KARNELL
Chair Board of Advisors

CEO Truelytics (acquired by Envestnet, 2022)

ADVISORS

DR. ATTY MASHATAN
Cryptography

Director, Ryerson University,
Cybersecurity Research Lab
Experienced banking CISO

CIBC ◆ CYBERSECURITY RESEARCH LAB

ROGER SINGH
Parallel Computing

Supercomputer design
Hardware/Software parallel expert
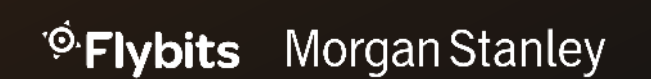
rubikloud   Sun microsystems

DR. MARIO GRECH
Partnerships & Pilots

Sr. Dev CRAY Systems
Fields Institute for Mathematics

CRAY   ORACLE

FEDERICO DE SIMONI
LatAm Fintech

CCO for Reworth, former Flybits
Pan-LatAm fintech experience

Flybits   Morgan Stanley

LET'S DO THIS

Empowering web3 payments
and integrations

WWW.DANDELIONNET.IO

Our whitepaper

Our cybersecurity proof

Contact us

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