Tezos X Vision

CANONICAL ROLLUP
Integrated high-performance blockchain with atomic transactions across smart contracts in different programming languages

CUSTOM ROLLUPS
Multiple blockchains for use cases requiring isolated or private computation, with trustless bridge to secure Layer 1 and other rollups

DAPPS
Applications integrating blockchain for creation of assets and transacting on them

DEFI, GAMING, ART, ...

CUSTOM DAPPS
Single or **multiple applications** running in isolated environment of a custom rollup

LANGUAGES & TOOLING
Mainstream and specialized programming languages used for implementing smart contracts logic running on the blockchain

LIGO / SMARTPY, SOLIDITY, JAVASCRIPT, PYTHON, JAVA + **MORE LANGUAGES**

ANY LANGUAGE
Mainstream or **custom languages** adapted to the needs of specialized applications

RUNTIMES
Integrated execution environment with atomic transactions across smart contracts in different languages

EVM + **MICHELSON** + **JAVASCRIPT** + **MORE RUNTIMES**

CUSTOM RUNTIMES

SMART ROLLUPS ENGINE
Scalable platform for running resource intensive processing with high security guarantees

RISC-V | **WASM** | **FRAUD PROOFS** | **ZK PROOFS**

DAL & SEQUENCER
High-throughput network for publishing input data for rollups, handling beyond 1 million TPS to the Smart Rollups Engine

LOW LATENCY SEQUENCER

DATA AVAILABILITY LAYER (DAL)

PLATFORM
Self-evolving decentralized network running on inexpensive hardware, securing rollups at low cost

GOVERNANCE | **CONSENSUS** | **STAKING** | **SETTLEMENT** | **BRIDGING**

LAYER 2 | LAYER 1

USERS | DEVELOPERS | OPERATORS | BAKERS