Open Mobility Network

building the *New Economy of Movement*

MOBI

MOBI & OMN

Creating standard and digital ways of identifying vehicles and recording transactions

⬇

Creating network that enables stakeholders to share, exchange and monetize mobility data

February 2017 --- **First meetings at TRI (Silicon Valley)**

September 2017 --- **Early meetings at MIT**

May 2018 --- **MOBI Launches as a Nonprofit Organization**

July 2018 --- **VID & UBI Working Groups Launch**

October 2018 --- **Launch of MOBI Grand Challenge (MGC) Phase I**

May 2019 --- **EVGI Working Group Launch**

May 2019 --- **Launch MGC Phase II – Citopia**

July 2019 --- **Released First Vehicle Identity (VID) on Blockchain Standard**

September 2019 --- **Launch of Multi Major Carmakers VID PoC**

October 2019 --- **CMDM Working Group Launch**

February 2020 --- **Supply Chain Working Group Launch**

February 2020 --- **Finance, Securitization, & Smart Contracts WG Launch**

June 2020 --- **OMN Build Kick-off**

MOBI

Data Monetization in the New Economy of Movement

MEMBER & PARTICIPANT BENEFITS

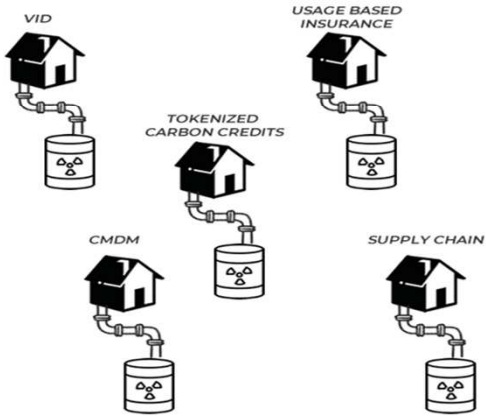| Open Innovation	New Business Models	Cost efficiencies	Social Benefits

- Neutral and fair governance with a nonprofit structure
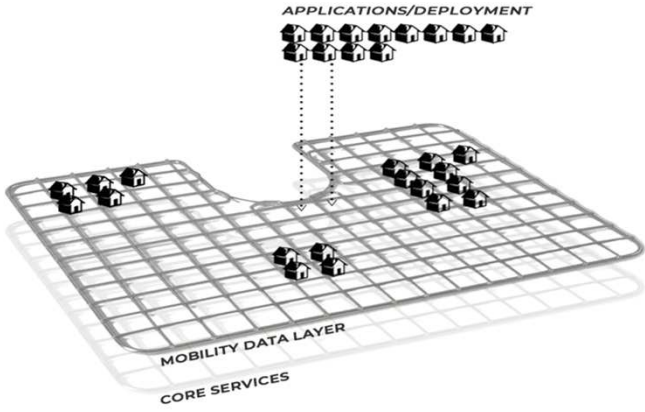- Technology and vendor agnosticism
- Efficiency, scale, cost savings

MOBI

Building A Scalable, Robust, Vibrant, Thriving Mobility Ecosystem
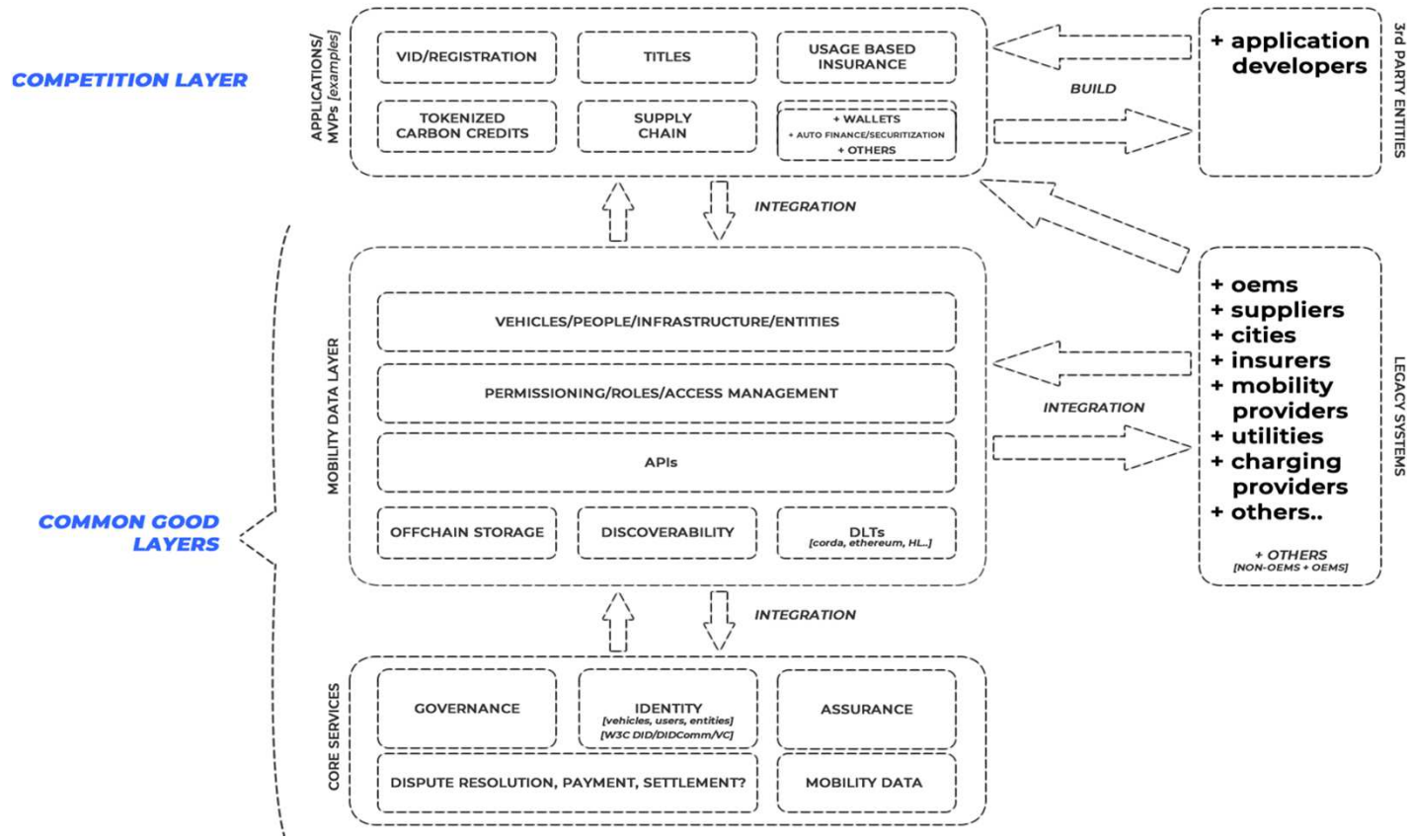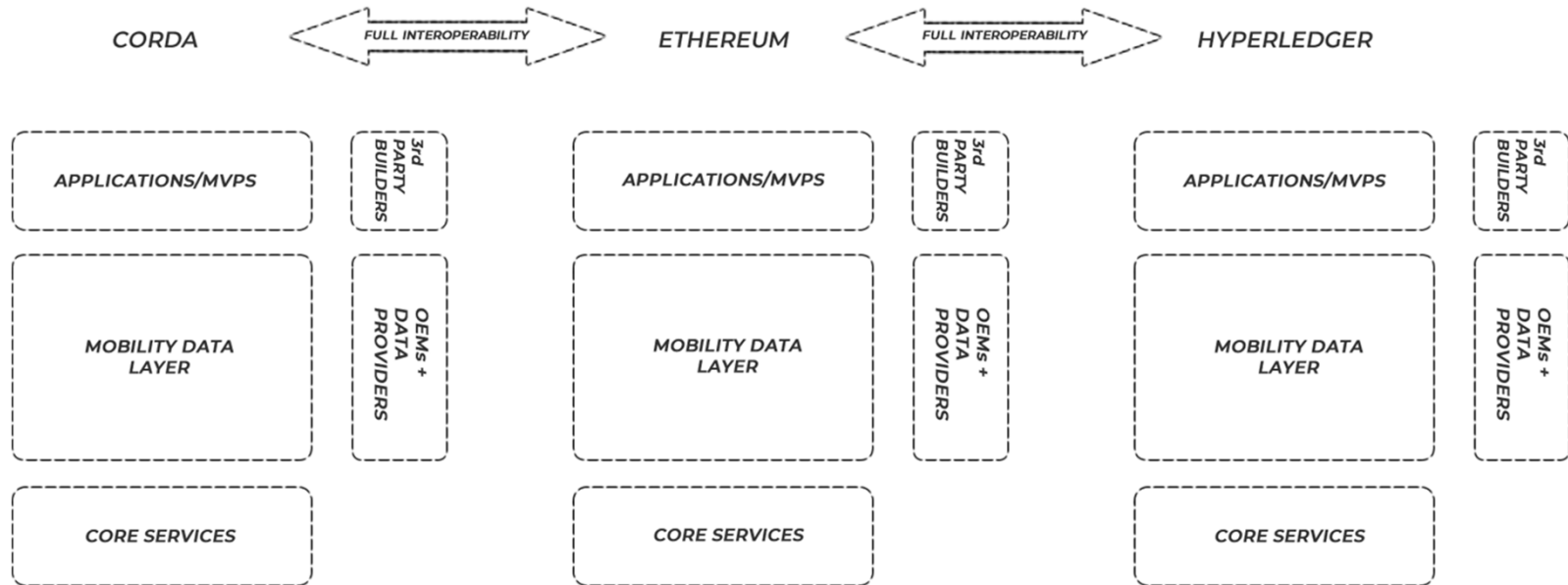

VID

USAGE BASED
INSURANCE

TOKENIZED
CARBON CREDITS

CMDM

SUPPLY CHAIN

METHOD I >> DISPARATE SYSTEMS/PoCs

APPLICATIONS/DEPLOYMENT

MOBILITY DATA LAYER

CORE SERVICES

METHOD II >> ECOSYSTEM FROM THE GROUND UP

MOBI

Network Architecture
OPEN MOBILITY NETWORK (OMN)

COMPETITION LAYER

APPLICATIONS/MVPs [examples]

| VID/REGISTRATION | TITLES | USAGE BASED INSURANCE |

| TOKENIZED CARBON CREDITS | SUPPLY CHAIN | + WALLETS + AUTO FINANCE/SECURITIZATION + OTHERS |

+ application developers

3rd PARTY ENTITIES

BUILD

INTEGRATION

COMMON GOOD LAYERS

MOBILITY DATA LAYER

VEHICLES/PEOPLE/INFRASTRUCTURE/ENTITIES

PERMISSIONING/ROLES/ACCESS MANAGEMENT

APIs

| OFFCHAIN STORAGE | DISCOVERABILITY | DLTs [corda, ethereum, HL..] |

+ oems
+ suppliers
+ cities
+ insurers
+ mobility providers
+ utilities
+ charging providers
+ others..

+ OTHERS [NON-OEMS + OEMS]

LEGACY SYSTEMS

INTEGRATION

INTEGRATION

CORE SERVICES

| GOVERNANCE | IDENTITY [vehicles, users, entities] [W3C DID/DIDComm/VC] | ASSURANCE |

| DISPUTE RESOLUTION, PAYMENT, SETTLEMENT? | MOBILITY DATA |

MOBI

Designed For Interoperability

MOBI

Example | Supply Chain on OMN

SUPPLY CHAIN
[PartChain]

APPLICATIONS/MVPs [examples]

3rd PARTY ENTITIES

+ application developers

BUILD
INTEGRATION

WORKING GROUP/STANDARDS OUTPUT

MOBILITY DATA LAYER

SUPPLIERS/PARTS
+ Part ID
+ Mfg. Locations
+ Mfg. Data
+ Quality Data
+ Shipping Manifest
+ Part Tracking
+ Tier 2+ Data
+ Responsible Mining Cert
+ Aftermarket
+ Etc etc..

ENTITIES
+ Suppliers
+ Logistics
+ Customs
+ Dealerships
+ Other Gov. Agencies
+ Certification Agencies
+ Other

VEHICLES
+ Telematics
+ Failure/DTC Data
+ Geolocation
+ Part Performance
+ Recall Tracking
+ COC
+ Other

PERMISSIONING/ROLES/ACCESS MANAGEMENT

APIs

OFFCHAIN STORAGE | DISCOVERABILITY | DLTs [corda, ethereum, HL...]

LEGACY SYSTEMS

+ oems
+ suppliers
+ cities
+ insurers
+ mobility providers
+ utilities
+ charging providers
+ others..

+ OTHERS [NON-OEMS + OEMS]

INTEGRATION

CORE SERVICES

GOVERNANCE | IDENTITY [vehicles, users, entities] | ASSURANCE

DISPUTE RESOLUTION, PAYMENT, SETTLEMENT? | MOBILITY DATA

INTEGRATION

M O B I

THANK YOU!

www.dlt.mobi

MOBI