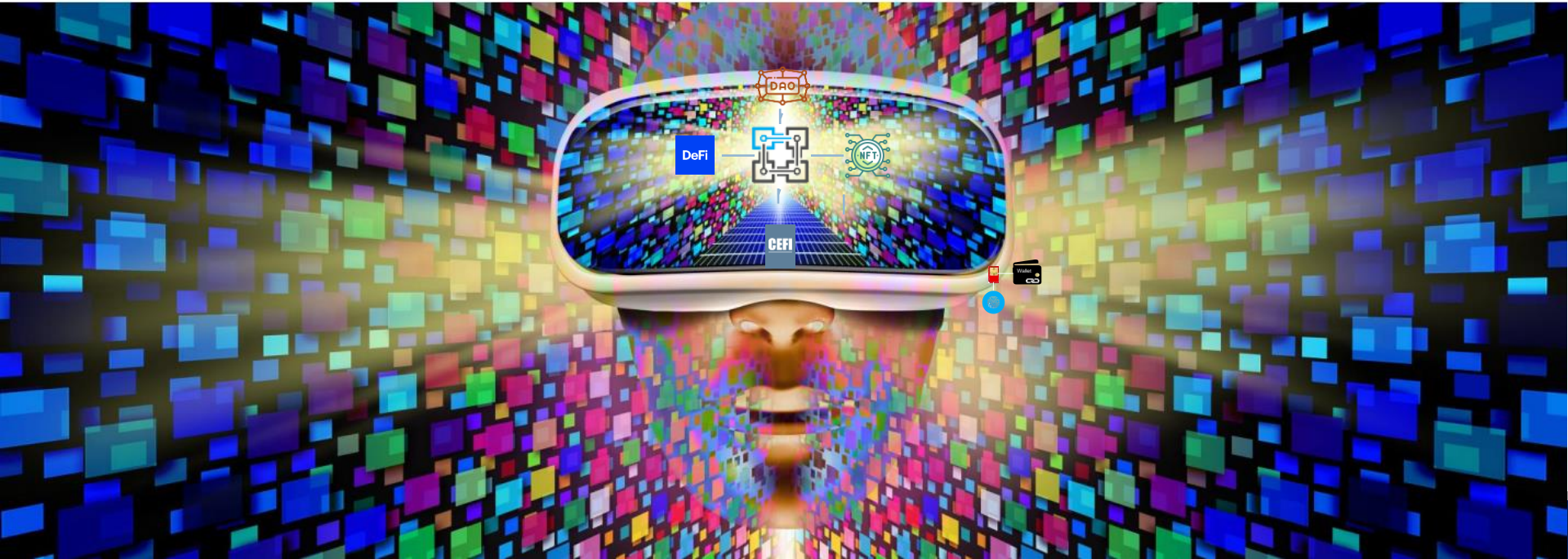


Enterprise Blockchain & the Metaverse

“A Virtual reality space in which users can interact with a shared computer generated environment and other users”



Blockchain in 2021



\$3 trillion
Cryptocurrency
Market Size



**\$240
billion**
Locked in DeFi
Protocols



\$22 billion
Traded in NFTs



\$30 billion
Invested in
Crypto Start-ups



\$1 billion
Single day trade
volume of 1st Bitcoin
ETF



**Over 200
million**
Global crypto users



\$91.8 million
Pak's The Merge
becomes most
expensive NFT sold

Potential 2022 Accelerators



\$21 billion
Value of top 6 Metaverse
coins 2021































































79
Countries working on
CBDCs



6.37 billion
Number of
Smartphones globally
for potential adoption

Key Performance Indicators for Enterprise

1	 Apple AAPL	\$2.856 T	\$175.06	-1.89%		 USA	11	 Visa V	\$489.60 B	\$226.09	-0.72%		 USA
2	 Microsoft MSFT	\$2.330 T	\$310.88	-1.30%		 USA	12	 UnitedHealth UNH	\$487.15 B	\$517.76	1.52%		 USA
3	 Saudi Aramco 2222.SR	\$2.291 T	\$11.46	0.00%		 S. Arabia	13	 Tencent TCEHY	\$467.15 B	\$48.62	-3.46%		 China
4	 Alphabet (Google) GOOG	\$1.860 T	\$2,821	-1.80%		 USA	14	 Johnson & Johnson JNJ	\$467.04 B	\$177.61	0.65%		 USA
5	 Amazon AMZN	\$1.669 T	\$3,281	-2.55%		 USA	15	 Walmart WMT	\$416.81 B	\$151.47	0.28%		 USA
6	 Tesla TSLA	\$1.127 T	\$1,091	-4.73%		 USA	16	 JPMorgan Chase JPM	\$393.72 B	\$133.34	-1.16%		 USA
7	 Berkshire Hathaway BRK-A	\$759.63 B	\$516,000	-0.52%		 USA	17	 Samsung 005930.KS	\$382.42 B	\$56.30	-0.87%		 S. Korea
8	 Meta (Facebook) FB	\$662.83 B	\$231.84	-0.88%		 USA	18	 Procter & Gamble PG	\$370.63 B	\$154.62	0.35%		 USA
9	 NVIDIA NVDA	\$646.20 B	\$259.31	-5.22%		 USA	19	 Nestlé NSRGY	\$366.12 B	\$132.65	0.77%		 Switzerland
10	 TSMC TSM	\$531.54 B	\$102.50	-2.19%		 Taiwan	20	 LVMH LVMUY	\$362.84 B	\$143.92	-1.58%		 France



US\$6.6 billion
Spending on blockchain
solutions in 2021



US\$324 billion
Ethereum platform market
cap in 2021



**Bitcoin - the 10th biggest asset by market cap*

US\$600 billion
Bitcoin platform market
cap in 2021

What is the Size of the Metaverse Opportunity?



7.9 billion



8.1 billion



8.8 billion



6.1 billion



7.1 billion



8.1 billion



US\$487 billion in 2020

GDA Capital



US\$800 billion in 2024

Bloomberg



US\$10 trillion in 2034

The Motley Fool

US\$13 trillion in 2034

Citi

US\$30 trillion in 10-15 years

Epyllion (Matthew Ball)



Meta

Facebook changes name to Meta and announces move into metaverse with 2.6 billion users in 2021

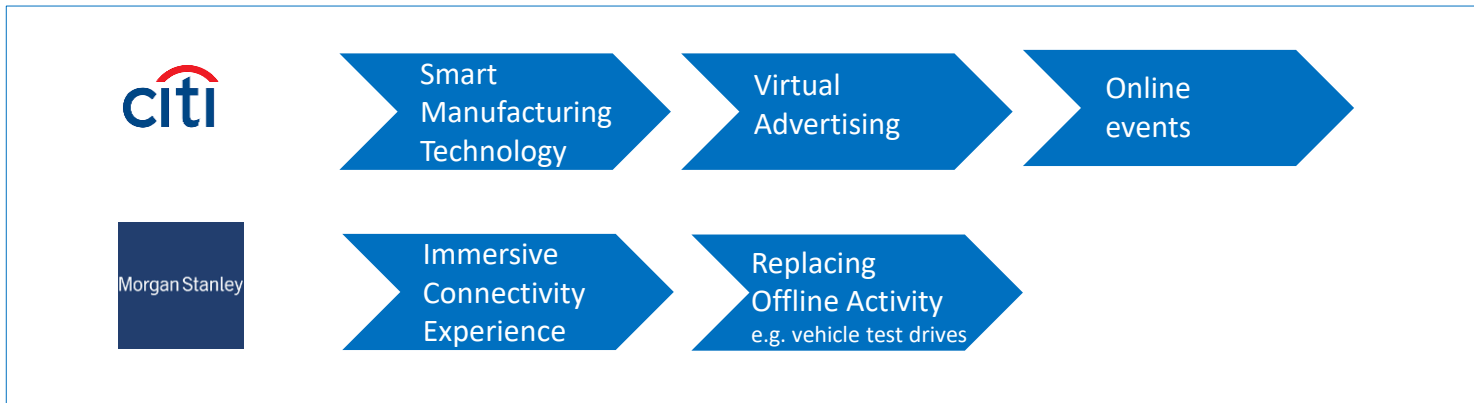


NVIDIA announces Omniverse Extends workflows cars, factories, warehouses to virtual world bringing real world business to metaverse in 2021



Microsoft US\$69 billion of Activision makers of Call of Duty in 2022

What will Drive the Metaverse Opportunity?



2022 US\$60 million purchase of Nreal for AR and VR technology

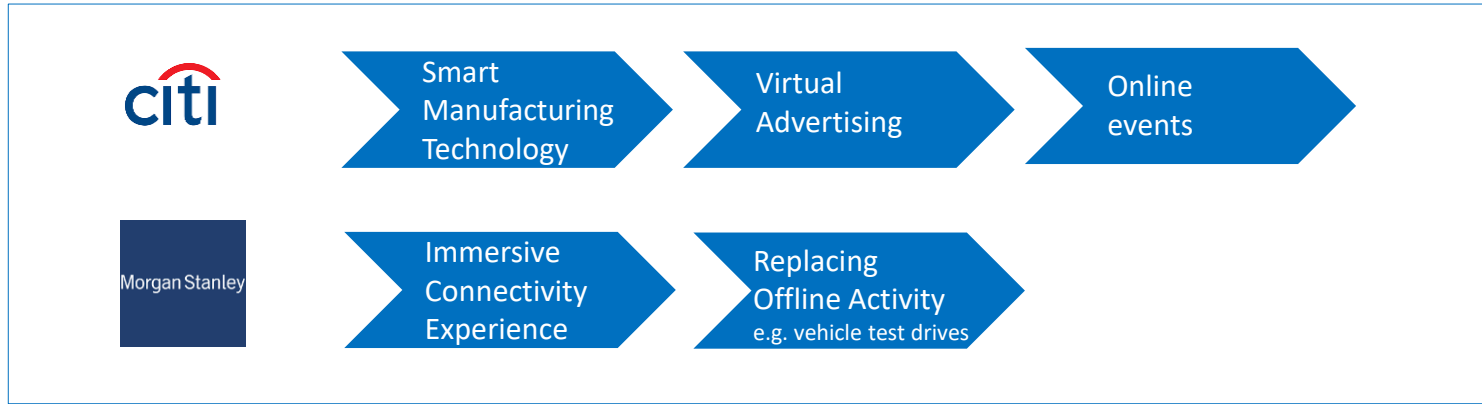


2022 opens bank in the metaverse on Decentraland and predicts a US\$1 trillion opportunity



2021 purchases RTFKT to make shoes/NFTs for the metaverse

What will Drive the Metaverse Opportunity?



2022 US\$60 million purchase of Nreal for AR and VR technology

J.P.Morgan

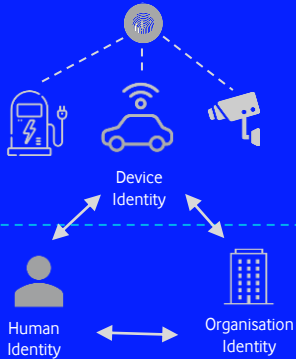
2022 opens bank in the metaverse on Decentraland and predicts a US\$1 trillion opportunity



2021 purchases RTFKT to make shoes/NFTs for the metaverse

What does Blockchain & Enterprise bring to Metaverse?

Self Sovereign Digital Identity



2020	2024	2034
7.9 billion	8.1 billion	8.8 billion
6.1 billion	7.1 billion	8.1 billion
30 billion	70 billion	120 billion
US\$76 billion	US\$718 billion	US\$1 trillion

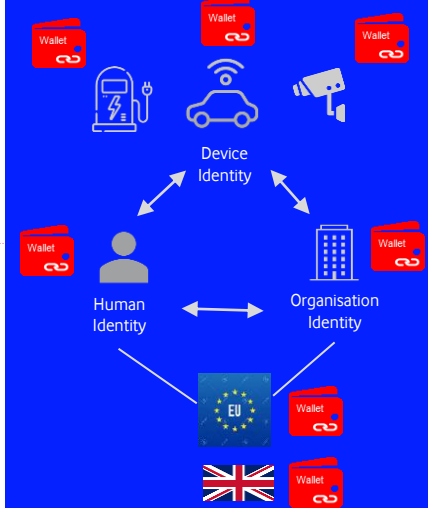


Ecosystem Trust

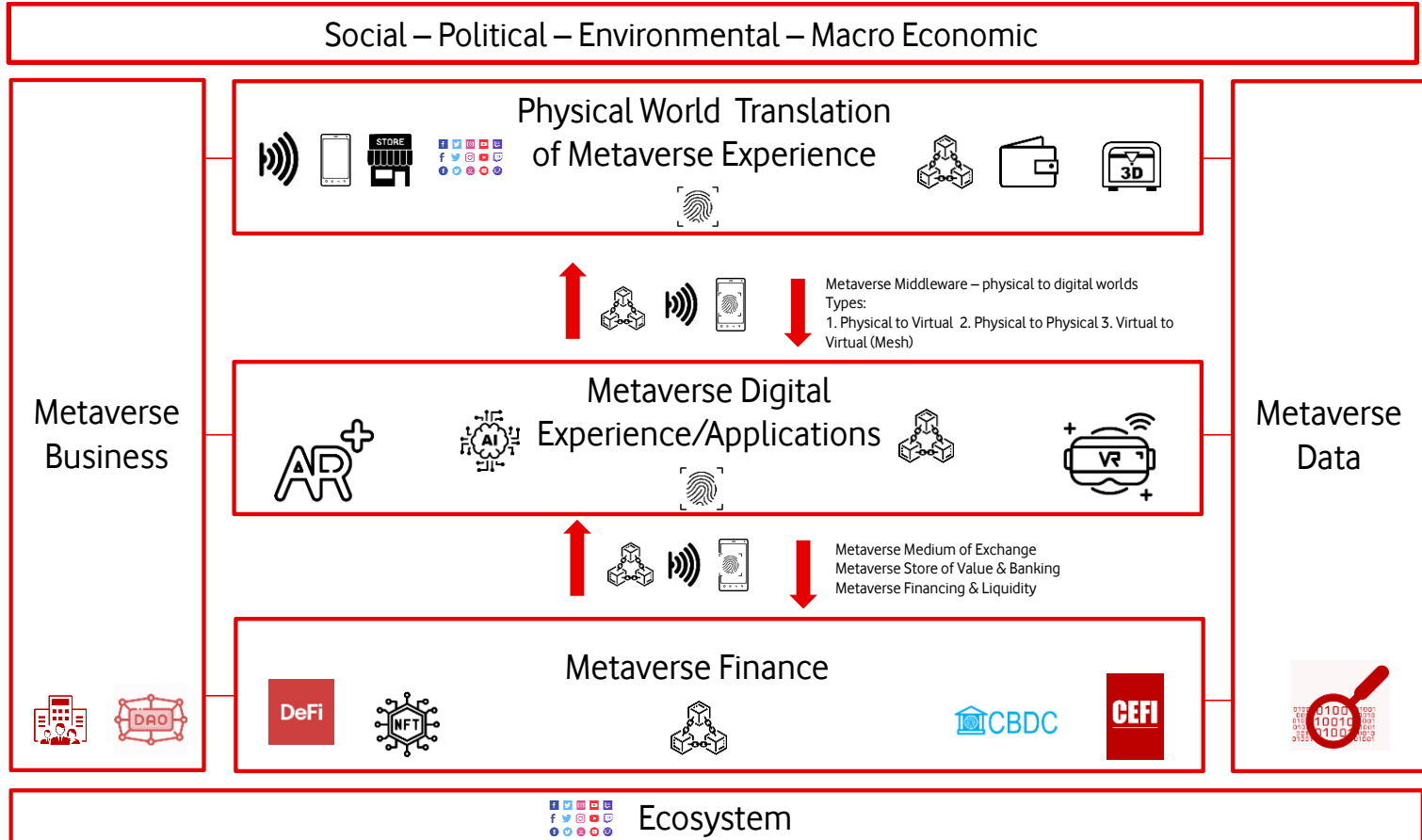
DeFi



World of Wallets & Payments



Conceptual Metaverse Framework





Phone number ID



Physical to Virtual

Phone number ID



Virtual to Virtual



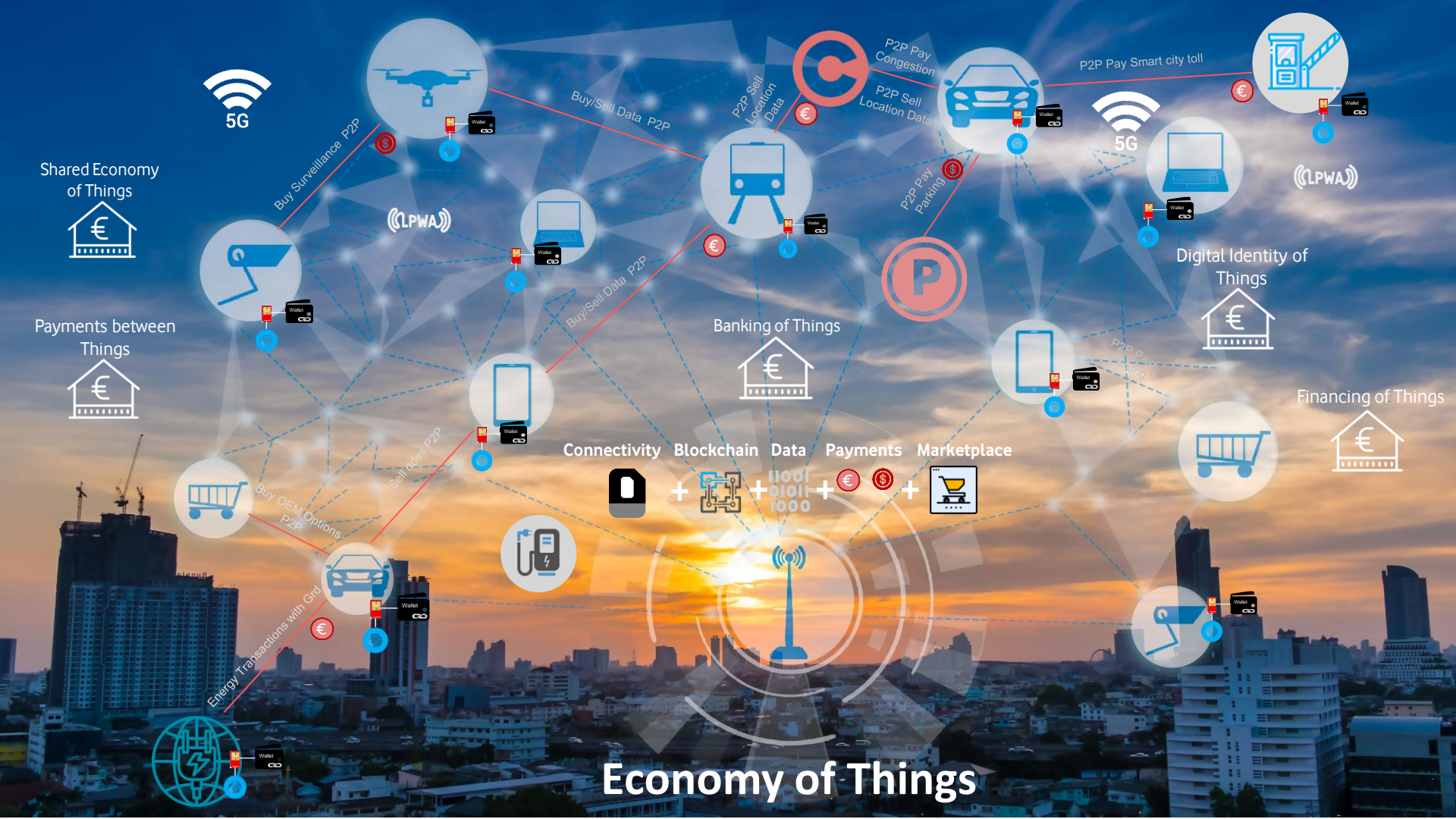
Physical to Physical

Phone number ID



Phone number ID





5G

Shared Economy of Things



Payments between Things



(LPWA)

Digital Identity of Things



Financing of Things



Connectivity + Blockchain + Data + Payments + Marketplace

Economy of Things

Buy Surveillance P2P

Buy/Sell Data P2P

P2P Sell Location Data

P2P Pay Congestion

P2P Sell Location Data

P2P Pay Smart city toll

P2P Pay Parking

Buy/Sell Data P2P

Banking of Things

P2P Pay Smart City

Buy OEM Options P2P

Sell Miles P2P

Energy Transactions with Grid



OVER 20 Billion IoT Devices and Digital Twins to Bridge Virtual and Physical worlds

