Machine Xchange Coin

Powering the decentralised global IoT data network

Economic white paper

2018.11.07

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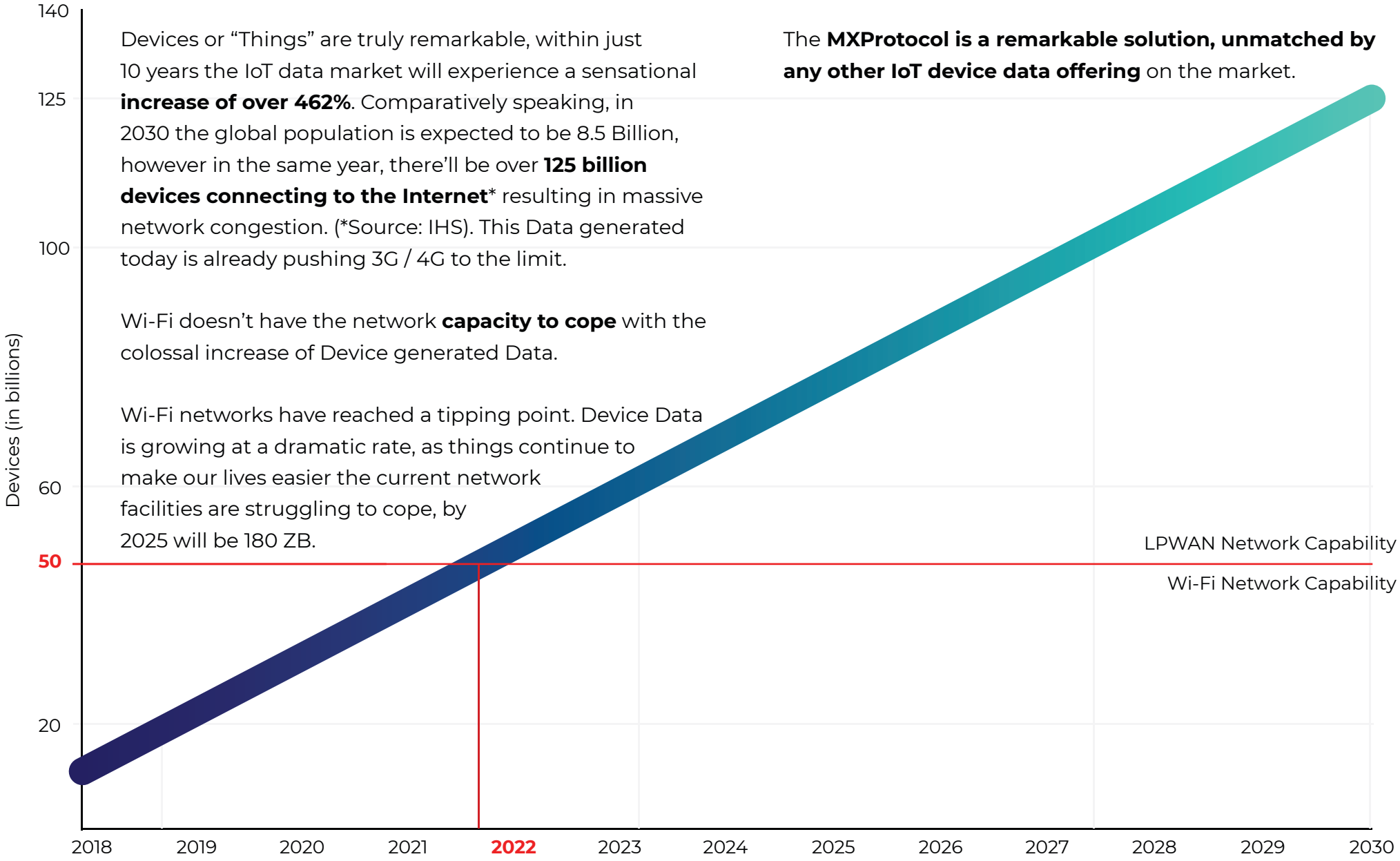
Devices or “Things” are truly remarkable, within just 10 years the IoT data market will experience a sensational **increase of over 462%**. Comparatively speaking, in 2030 the global population is expected to be 8.5 Billion, however in the same year, there’ll be over **125 billion devices connecting to the Internet*** resulting in massive network congestion. (*Source: IHS). This Data generated today is already pushing 3G / 4G to the limit.

Wi-Fi doesn’t have the network **capacity to cope** with the colossal increase of Device generated Data.

Wi-Fi networks have reached a tipping point. Device Data is growing at a dramatic rate, as things continue to make our lives easier the current network facilities are struggling to cope, by 2025 will be 180 ZB.

The **MXProtocol is a remarkable solution, unmatched by any other IoT device data offering** on the market.



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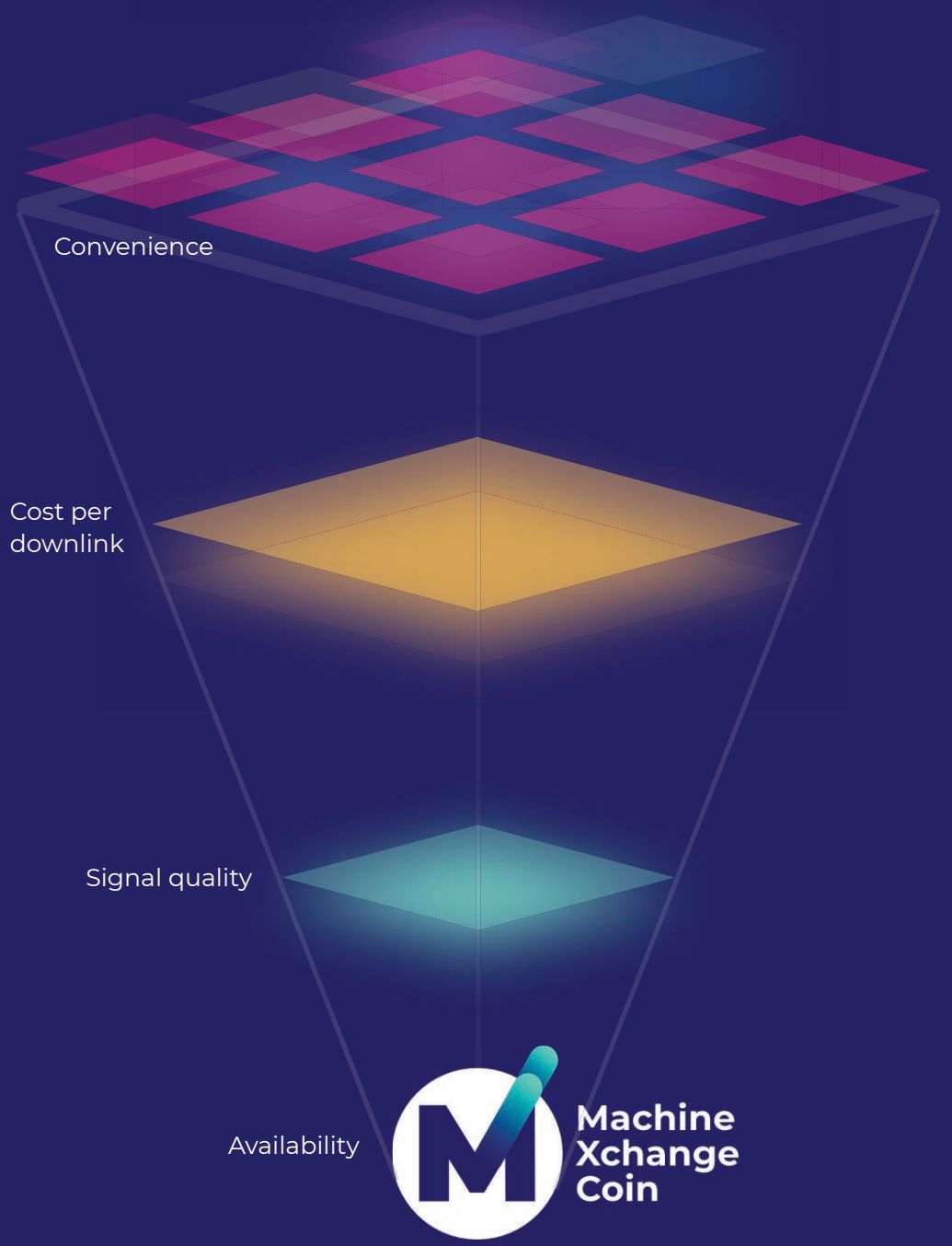
Everyday Challenges, MXProtocol Solutions

The MXC “Machine eXchange Protocol” facilitates the uninterrupted exchange of information between connected devices. The intrinsic blockchain based MXC Protocol ensures devices connect to the internet using the most convenient LPWAN Gateway lying in range. This “convenience” is determined using essential factors:

- Cost per Downlink,
- Signal Quality,
- Availability and
- MXC influential Algorithmic Factors



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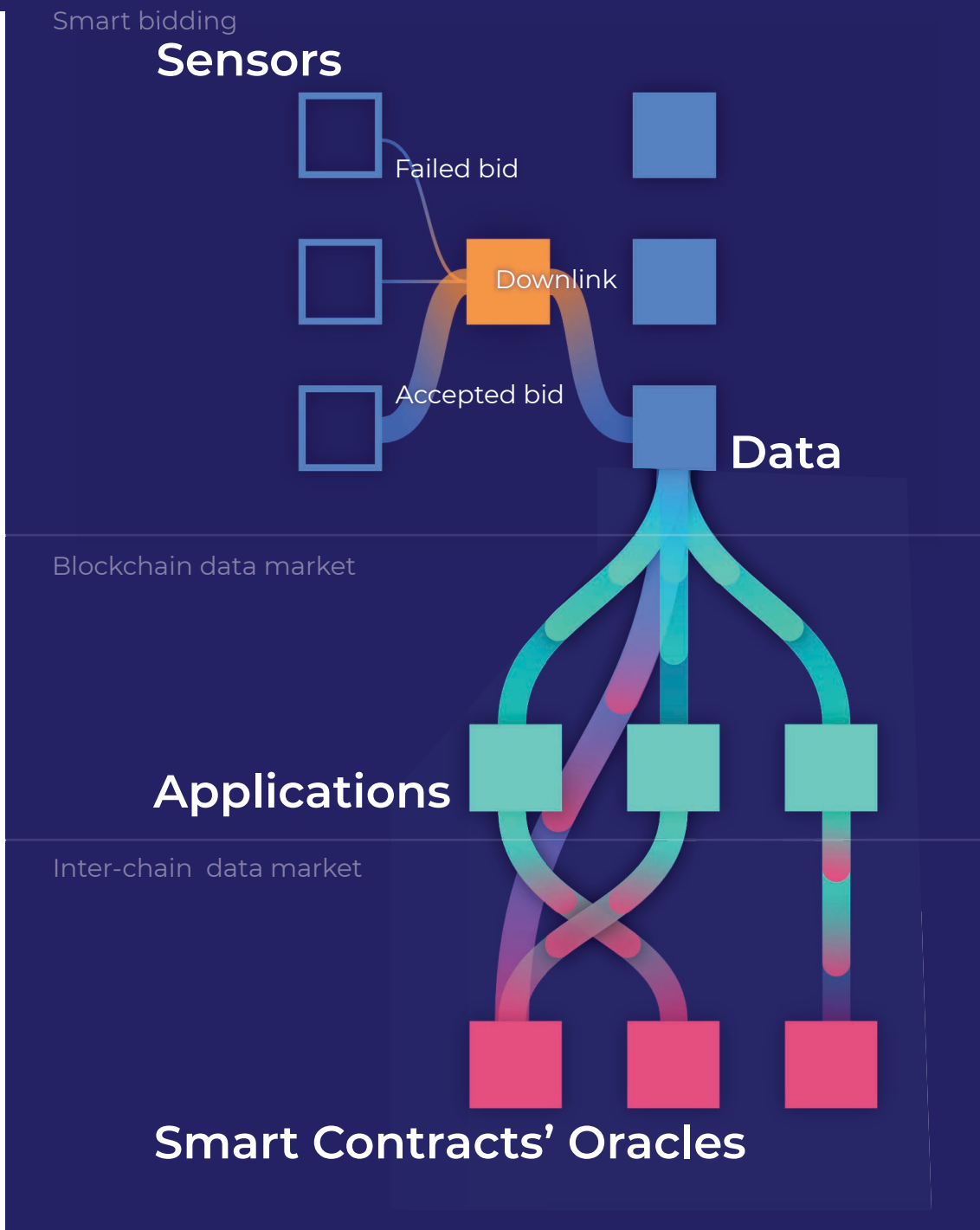
MXProtocol: Smart Bidding, Inter-Chain data market

Street lights, garbage sensors send a lot of packets in a day, which jam the free licensed bands. A door lock needs to be unlocked in few seconds, Smart Bidding solves the problem by doing the network resource auction, the highest bid takes the link resource.

Platforms like Ethereum, Rootstock are quite data hungry, they need Oracles to feed to smart contracts. Data market is a protocol for different blockchains to purchase data from MXC using their own token.



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There's truly never been a better time to be a part of MXC. We're delivering tomorrow's Device Data Solutions, today and we've only just begun!

Why **MXC** works!

Technology	**MXC**	**IOTA**	**Streamr**	**Mobius**
Tx Speed	within 5s	minutes to hours	minutes to hours	within 5s
Inter-chain data	Yes	No	No	No
Anti-collision	Yes	No	No	No
Target group	Small devices to large machines	Powerful machines	Small devices to large machines	IoT Clouds
USP	Machine	DAG	Data market	Stripe for data
Launch	Xchange Protocol May 2018	2015	2017	2017
Market cap	40 million USD	3 billion USD	80 million USD	60 million USD

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IoT Protocols

Technology	**LPWAN**	**3G / 4G / 5G NB-IoT**	**Wi-Fi**
Network topology	Decentralised start network	Centralized star network	Decentralised start network
Target group	All the industries	All the industries	End consumers
Maximum range	40km	10km	200m
Single cell capacity	more than 60k	around 10k	less than 200
Battery life on AAA	5 years	6 months	3 months
Licensed operation	No	Yes	No
GPS-free localisation	Yes	Yes	No

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MXC token:

Distribution summary

- **Team**: 20%

Time-lock: 1/2 vesting after 1 year from token issue, 1/16 vesting every quarter there after.

- **Early investor**: 20%

Starts in March, 2018
Time-lock: 1/2 vesting after 6 months from listing on exchange, 1/4 vesting every quarter there after.

- **Private-sale**: 30%

June, 2018
Time-lock: 1/4 vesting after 3 months from listing on exchange, 1/4 vesting every quarter there after.

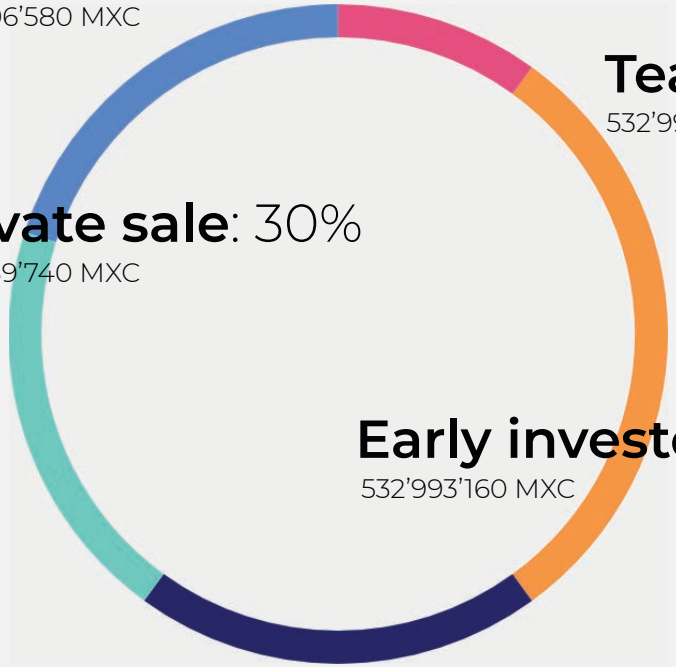
- **Public-ICO**: 10%

September, 2018
Time-lock: N/A

- **Foundation**: 20%

Time-lock: N/A

Public ICO: 10%
266'496'580 MXC



Team: 20%
532'993'160 MXC

Private sale: 30%
799'489'740 MXC

Early investors: 20%
532'993'160 MXC

Foundation: 20%
532'993'160 MXC

Total

2'664'965'800 MXC
Hard cap: 24'000'000 USD
Soft cap: 10'000'000 USD

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MXC fund:
Allocation & Usage Breakdown

- **Marketing**: 30%

Agency fees, advertising costs, digital marketing publications, networking

- **Legal**: 10%

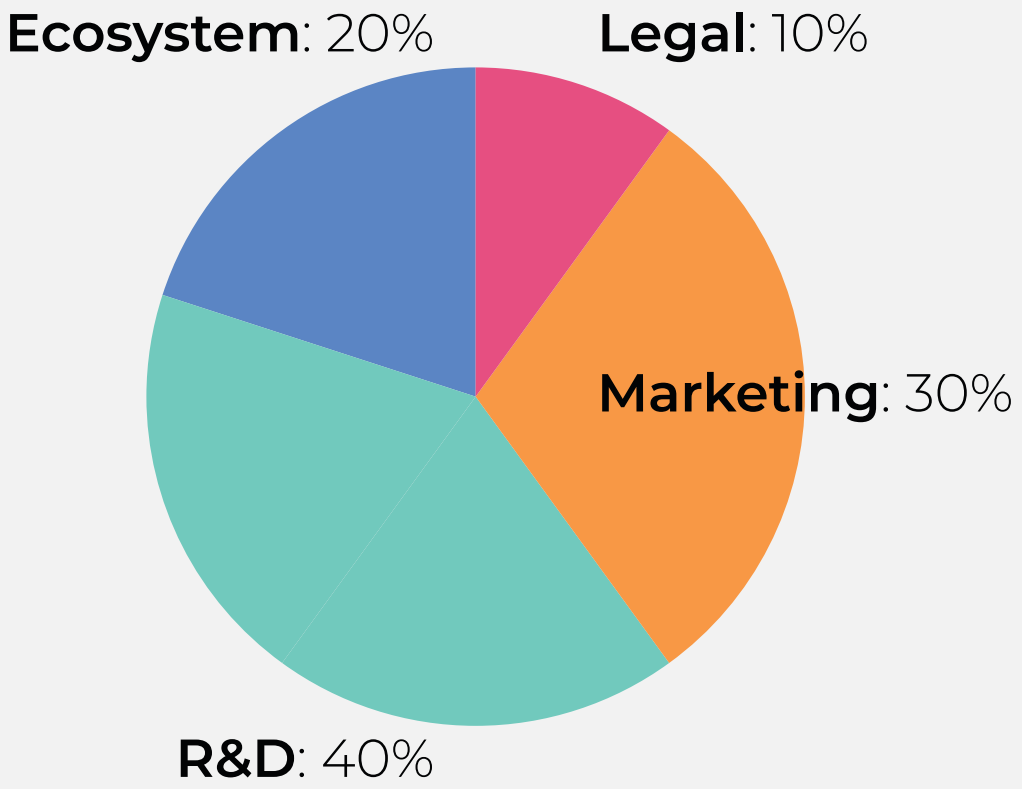
KYC / AML, Accounting, Documentation / Contracts
tax compliances

- **Ecosystem**: 20%

Public trainings, university / institute developments, office costs, awards program

- **R&D**: 40%

Development, code audit partnership, bug bounty



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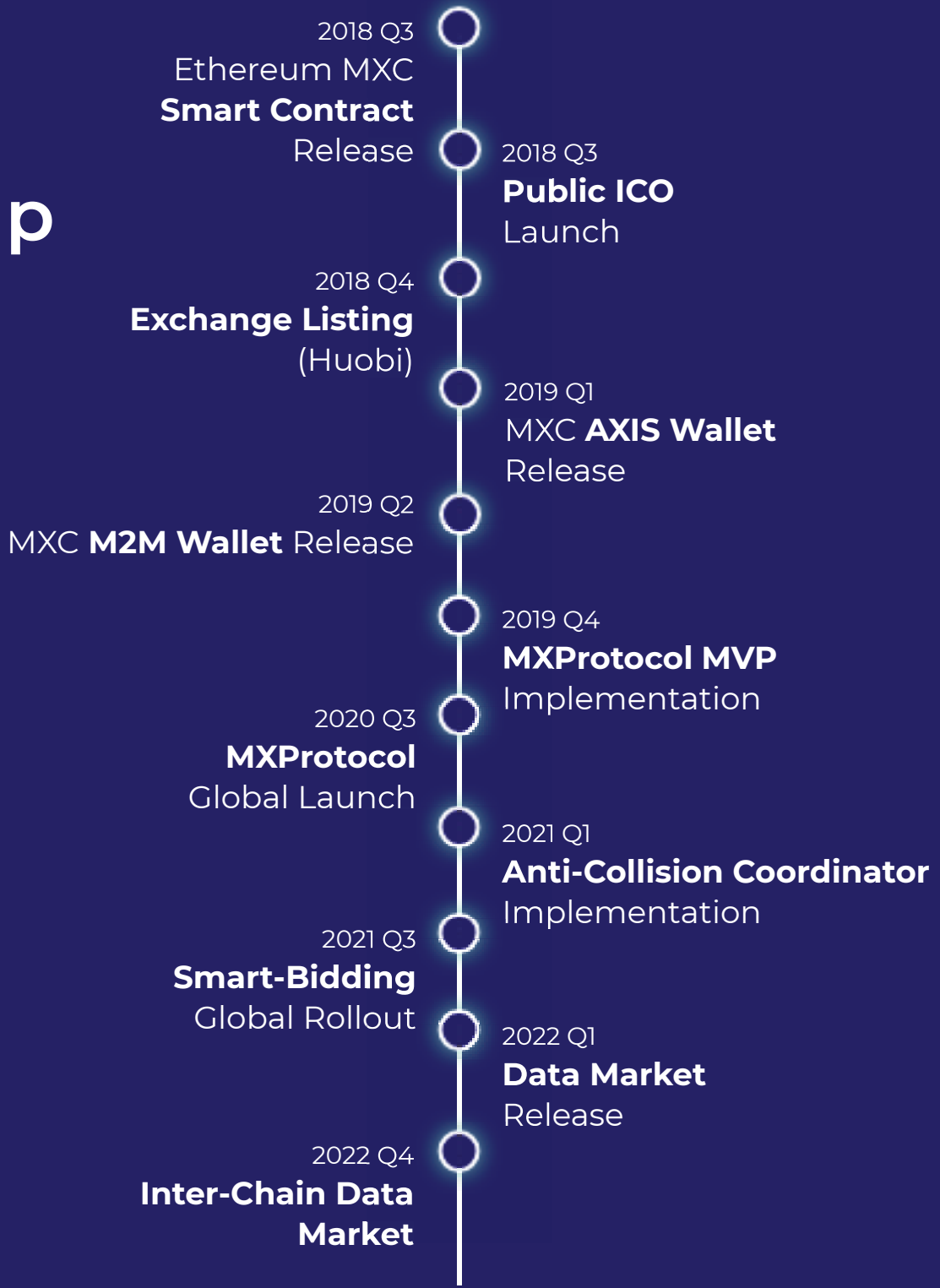
Estimated

Roadmap



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Jeff Stahlnecker
Growth Manager

Piotr Brzezinski
Protocol Architect

Jeffrey Wernick
Entrepreneur and Private Investor

Jeffrey is a recognised investor, known for supporting successful companies including Uber and Airbnb. He believes in the power of the "shared economy", and has been a strong supporter of Bitcoin since 2012.

Leo Wang
PreAngel Fund – Founding Partner

Leo is a celebrated early investor in blockchain & cryptocurrency companies. Since 2011, Leo and his partners have been managing key tech startup portfolios, investing in excess of $160 Million USD

MXC, responsible corporate governance and partner

MXC has a Berlin based office operating as a registered Foundation, promoting the global adoption of LPWAN Technology using MXProtocol design MXC is supported by the German based global legal firm DWF who specialises in German Financial, Crypto-Law and lobbying the Bundesfinanzministerium. As MXC is a Foundation, therefore profits go back into building out the global LPWAN “Device Data Network” allowing for continued growth using MXProtocol

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The future of IoT