Machine Xchange Coin

# Powering the decentralised global IoT data network

CRYP2NOVA

Economic white paper

2018.11.07

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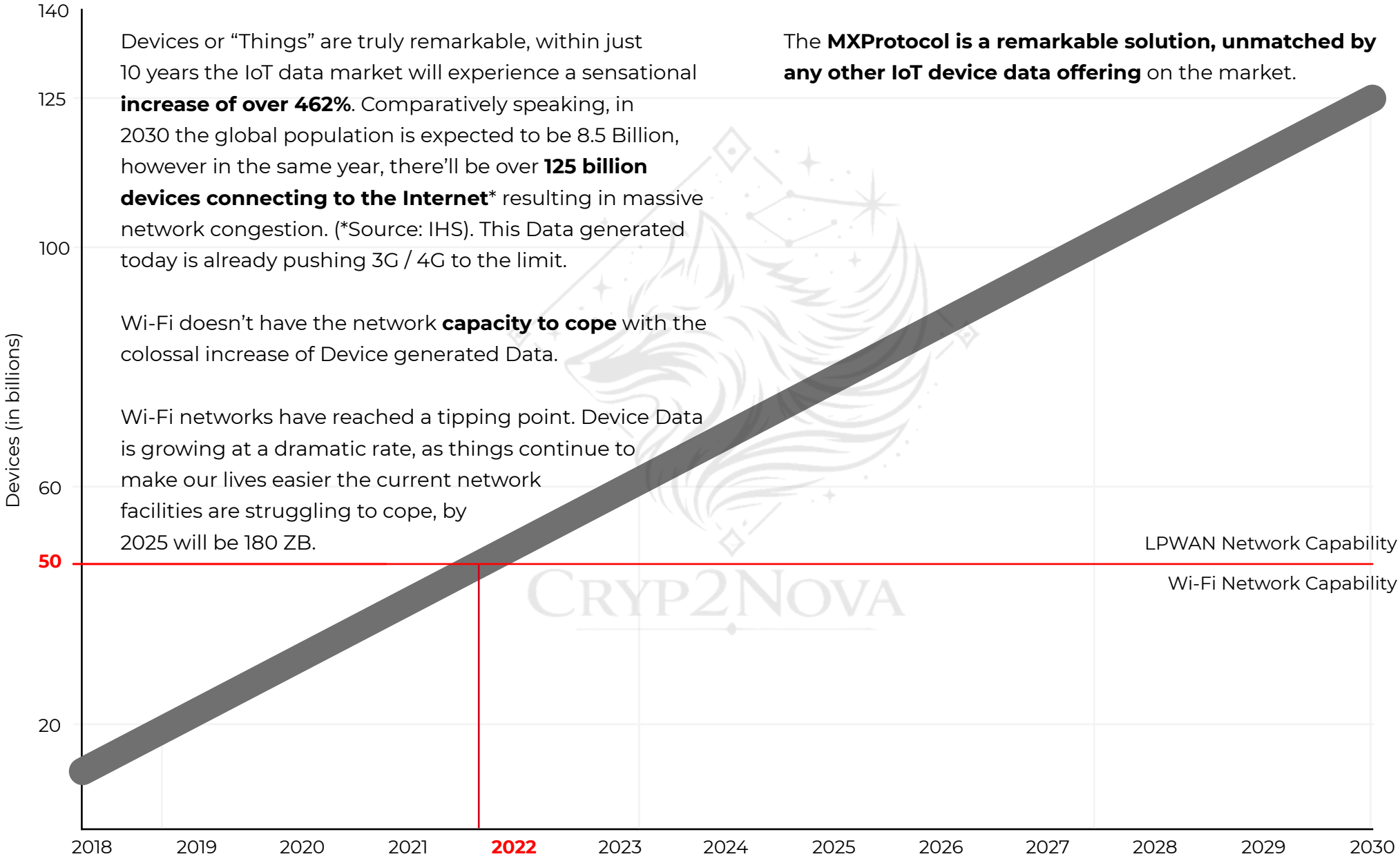
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Devices or “Things” are truly remarkable, within just 10 years the IoT data market will experience a sensational **increase of over 462%**. Comparatively speaking, in 2030 the global population is expected to be 8.5 Billion, however in the same year, 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.



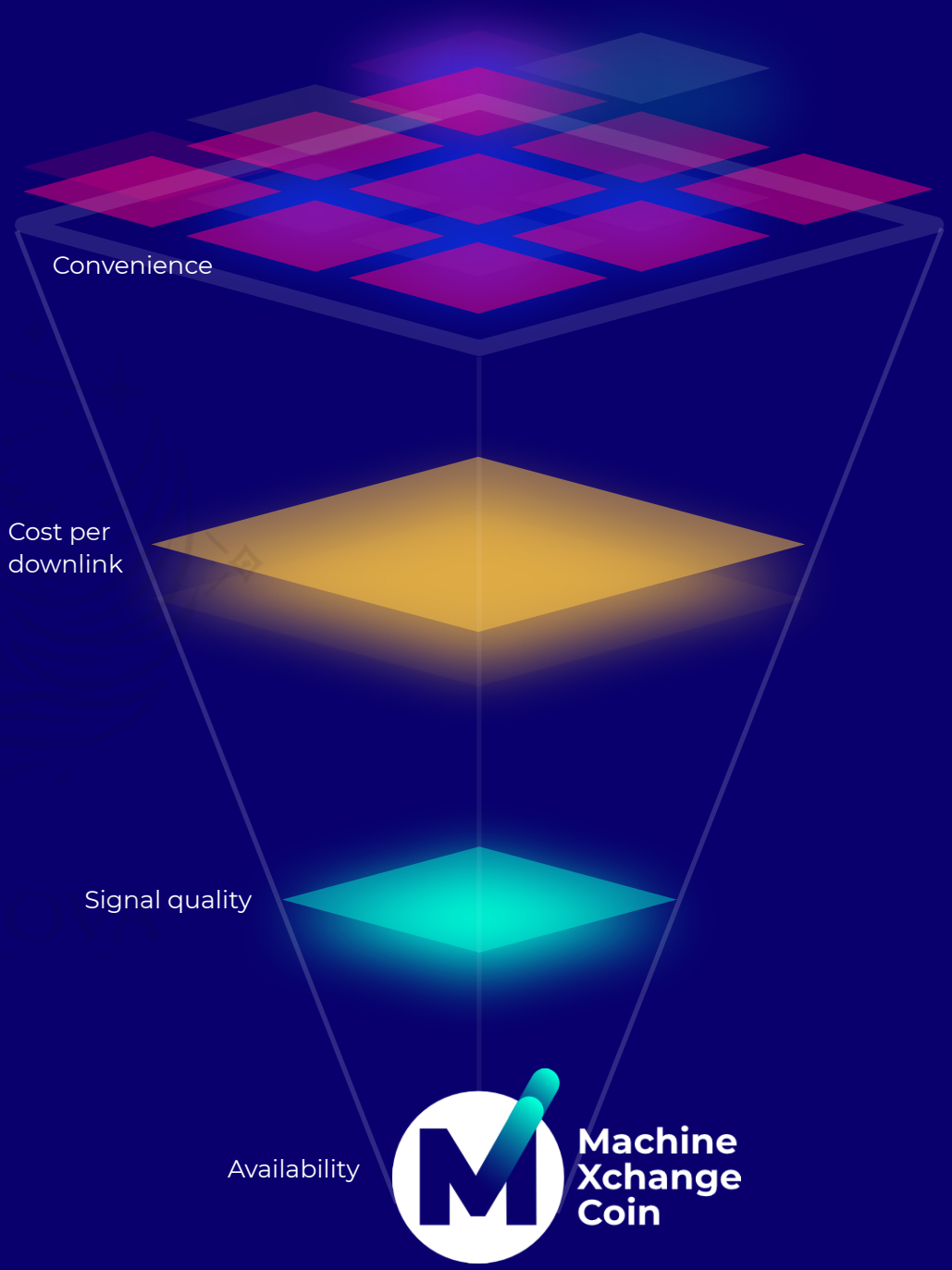

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# Everyday Challenges, **MXProtocol Solutions**

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



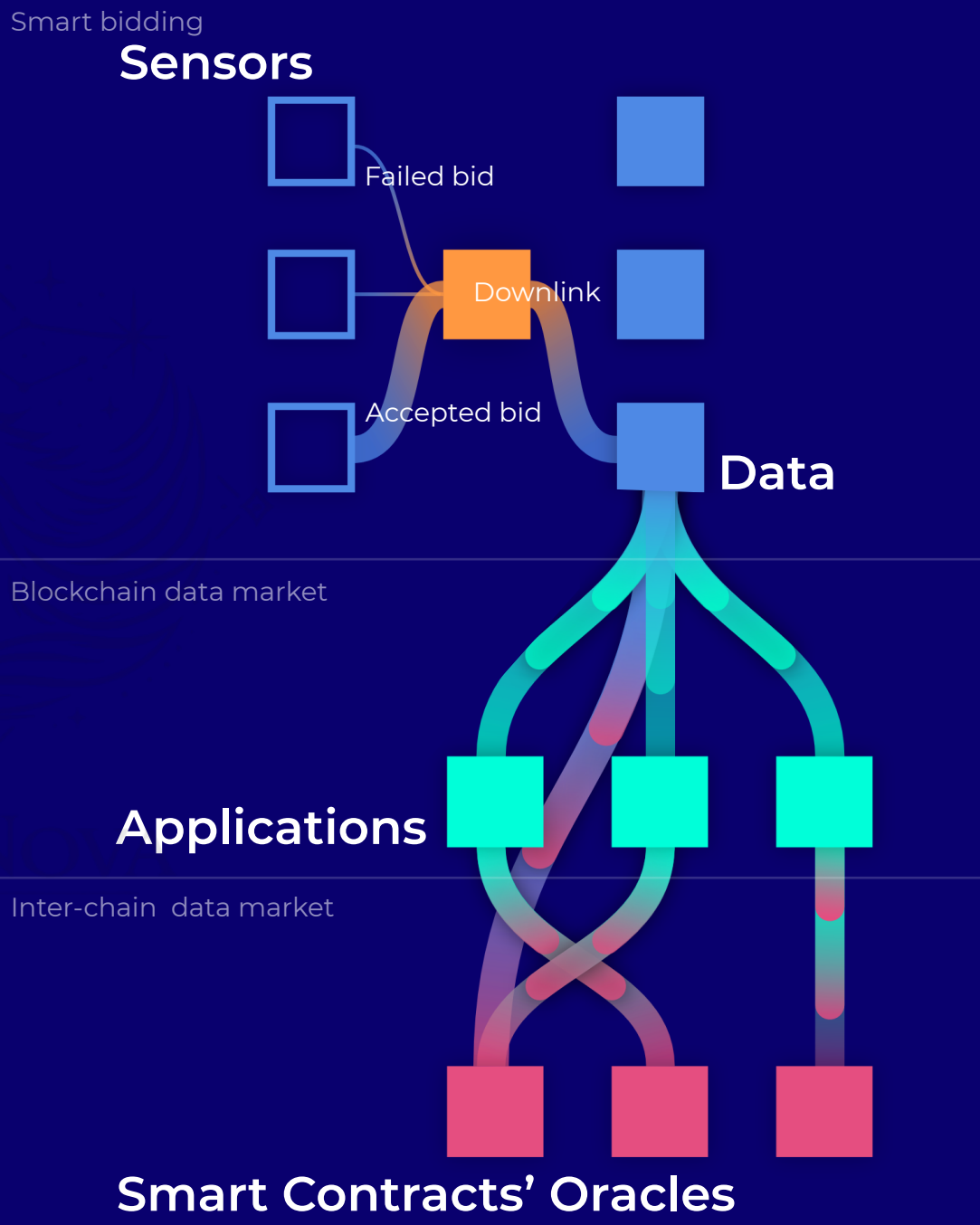

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# MXProtocol: Smart Bidding, Inter-Chain data market

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%

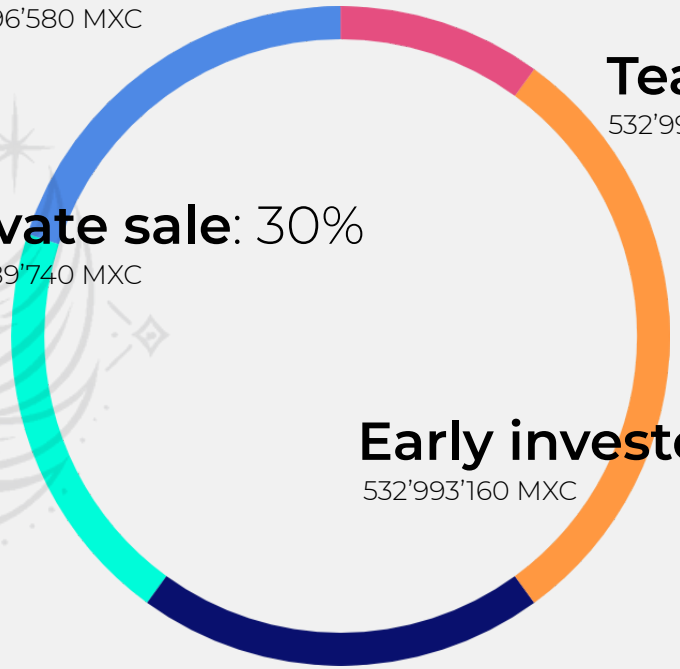
September, 2018
Time-lock: N/A

- **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

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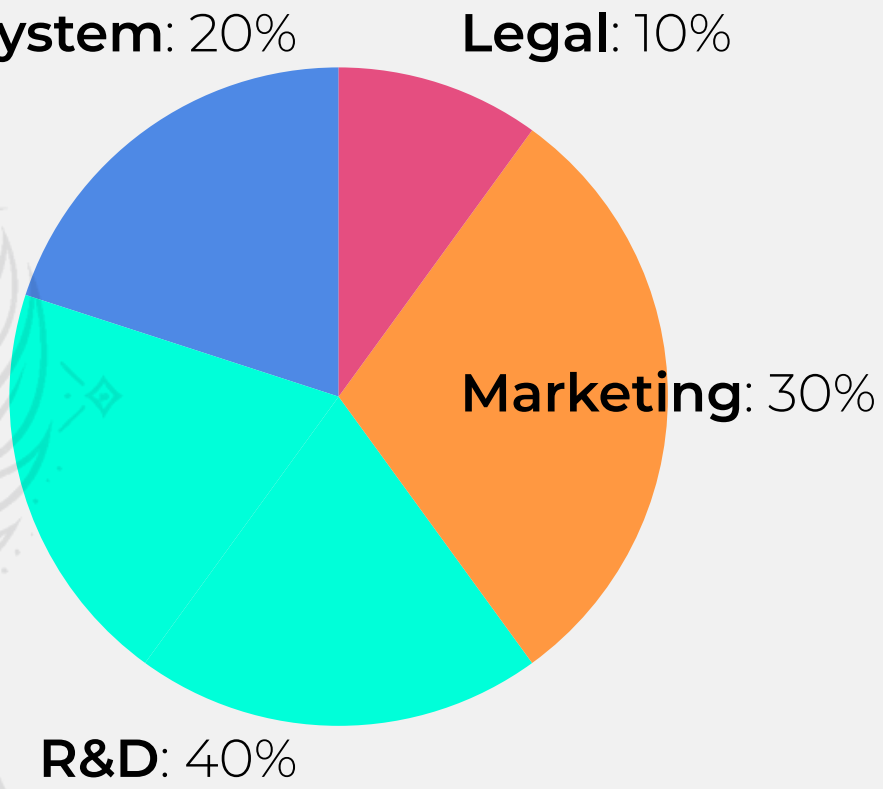
## Total

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

2018 Q3
Ethereum MXC **Smart Contract** Release

2018 Q3
**Public ICO** Launch

2018 Q4
**Exchange Listing** (Huobi)

2019 Q1
MXC **AXIS Wallet** Release

2019 Q2
MXC **M2M Wallet** Release

2019 Q4
**MXProtocol MVP** Implementation

2019 Q4
**MXProtocol** Global Launch

2020 Q2
**Anti-Collision Coordinator** Implementation

2020 Q3
**Smart-Bidding** Global Rollout

2021 Q1
**Data Market** Release

2021 Q4
**Inter-Chain Data Market**

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Team



**Xin Hu**
CEO



**Vlad Karl**
CTO



**Aaron Wagener**
COO



**Jeff Stahlnecker**
Growth Manager



**Piotr Brzezinski**
Protocol Architect



**Vadim Vygonets**
Lead Software Developer

Advisors



**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



**Meinhard Benn**
SatoshiPay Founder

Meinhard is an experienced entrepreneur and open source specialist. He discovered blockchain in 2011, founded SatoshiPay in 2014 and is an active member of the blockchain ecosystem in Berlin, London and beyond.

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# 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

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