Xenia Network

PROTOCOL FOR SHARING ECONOMY 2.0

Current state of Sharing Economy

- Centralized and Controlled by monopolistic intermediaries
- Value creation done by users but not distributed equitably
- High commission and fee rates (10-20% of transaction costs)
- Frequent run in to regulatory issues
- Siloed data owned by various business verticals
- Less potential for innovation

Sharing Economy Market

Sharing economy sector

Peer to peer lending and crowdfunding

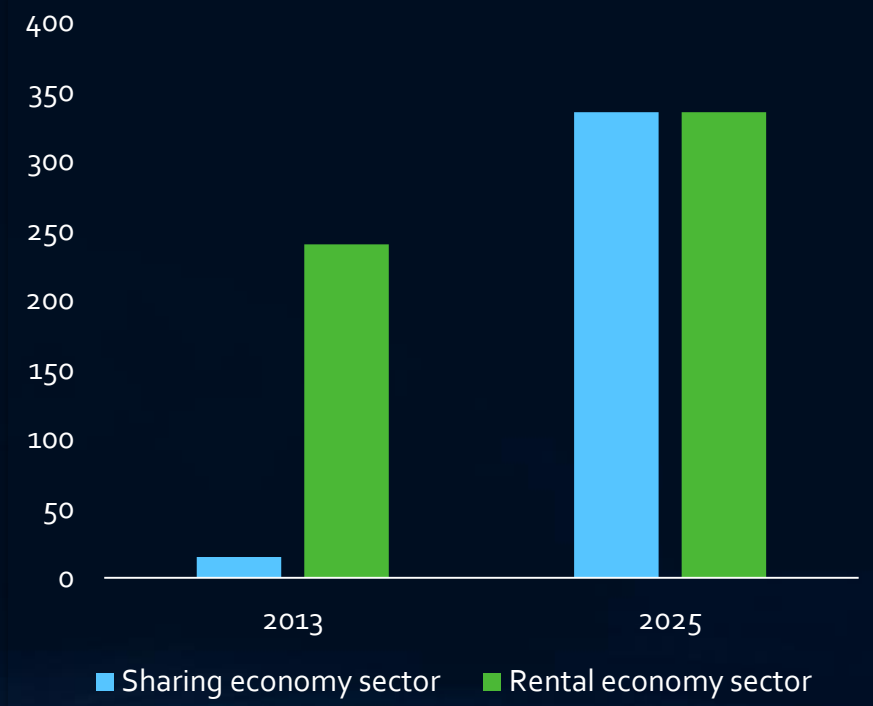
Online staffing

Peer to peer accommodation

Car sharing

Music and Video sharing

Sharing economy sector and traditional rental sector projected revenue growth



(Source: PWC "The Sharing Economy" report 2015)

Traditional rental sector

Equipment rental

B&B and Hostels

Book rental

Car rental

Games and DVD rental

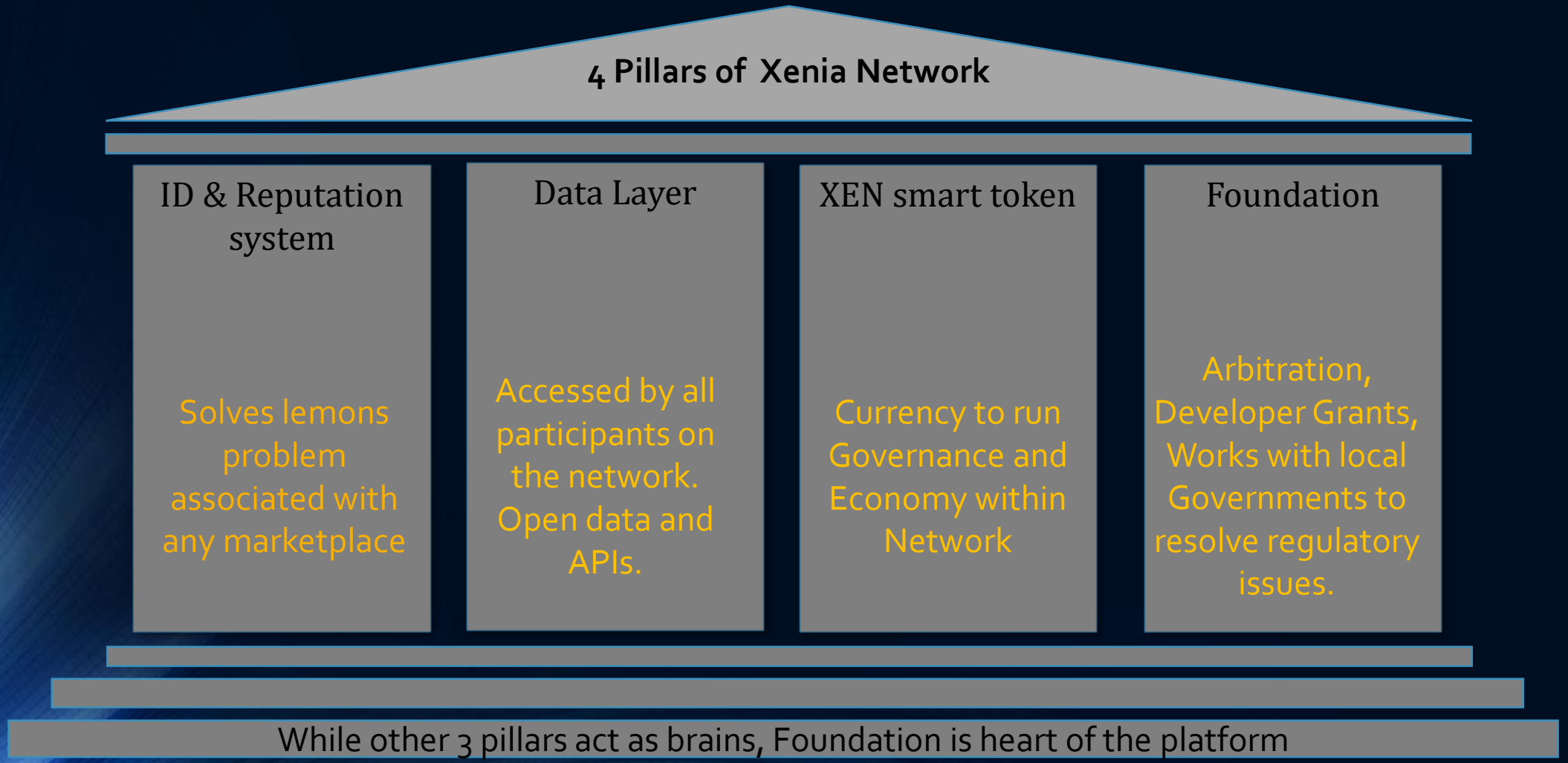
Common Denominator of Sharing

Class	Uber (Ride-sharing)	Airbnb (Hospitality)	TaskRabbit (Task hiring)	Prosper (P2P lending)
Personal Identity (Profile, Ratings, feedback)	✓	✓	✓	✓
Two-side Reputation	✓	✓	✓	✗
Listings (search, match, filter)	✗	✓	✓	✗
Payment (Fee, escrow)	✓	✓	✓	✓
Time-bound activity	✓	✓	✓	✓
Regulatory issues	✓	✓	✓	✓

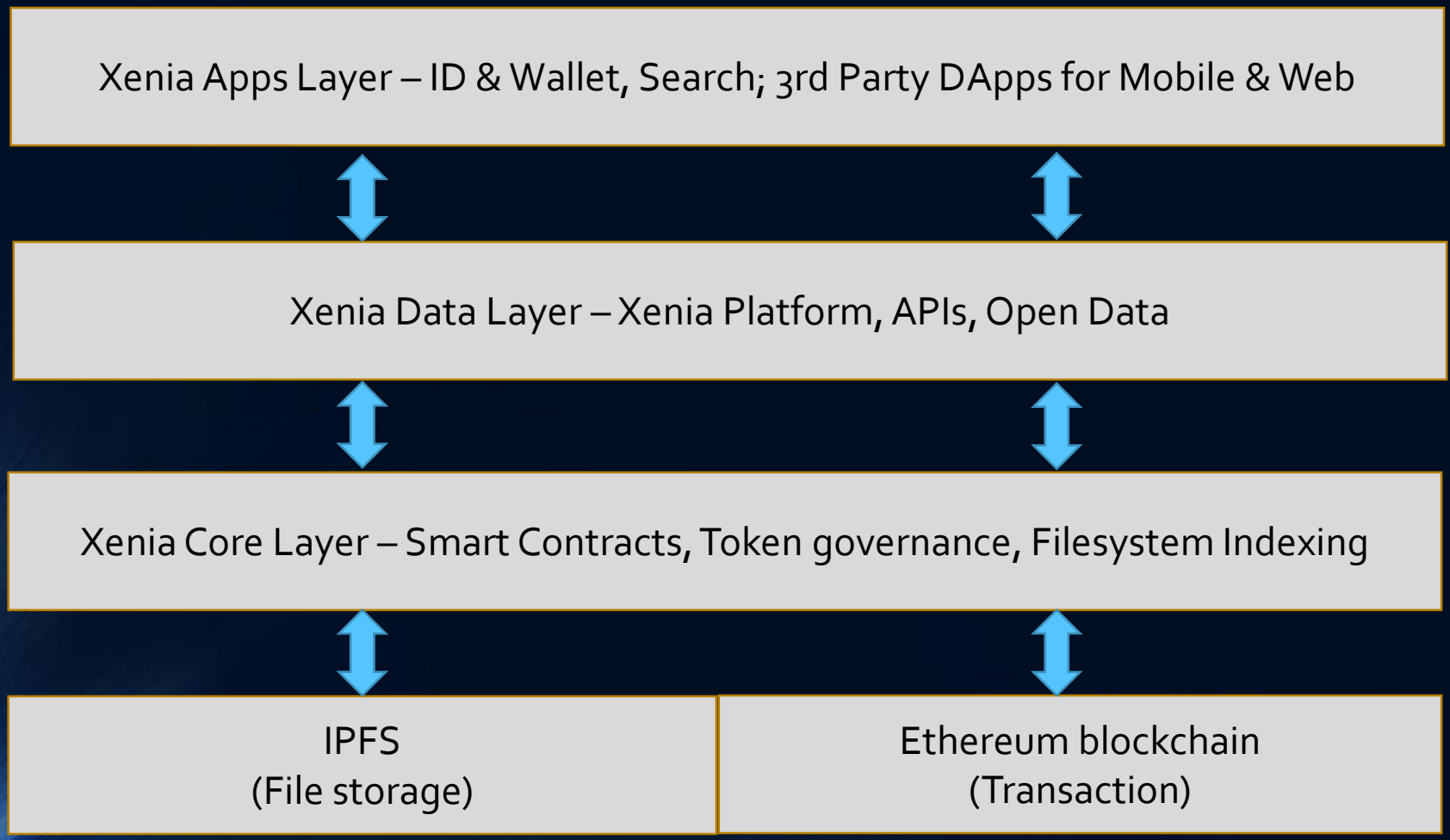
Conceptualization

- Social ‘sharing’ platform and set of protocols for creation of decentralized marketplaces on distributed web
- One identity, one wallet across all sharing economy verticals
- Value created and shared by developers, entrepreneurs and users equitably
- Zero commission or fee charges except to cover gas costs
- Platform is run by smart contracts to eliminate middlemen
- Open data to bring advantage of global monopolies to even small businesses
- Built on Ethereum blockchain and IPFS
- Token driven economy within network

Conceptualization (Contd..)



Layered Platform Architecture



Technology

- Ethereum blockchain for transactions and execution of smart contracts
- Web and Mobile client
- Hybrid database model – IPFS (InterPlanetary File system) for file
- storage of important data; MongoDB/some other Database solution for
- Services layer to reduce gas costs
- Open data for research and innovation
- Payment/reputation tracking
- XEN Smart token based on ERC20 standards

Integration with other (D)Apps

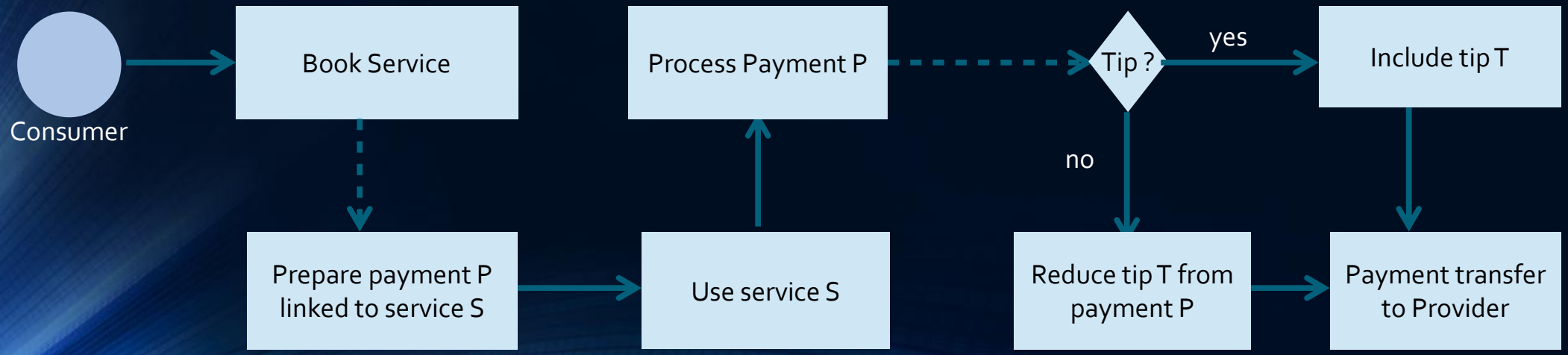
- Status DApp for communication
- Request Network for invoice and accounting
- Spectrum DApp for all-in-one wallet integration
- Truffle for Ethereum development environment
- Other Payment gateways like PayPal

Reputation System

- Two-sided reputation system where both consumers and service providers are rated.
- Reputation mechanism is ingrained into each and every transaction. Ex: If consumer pays 100 XEN tokens for a service, an option to pay 2 XEN (like a tip) is included in it. If consumer selects option, it will add to the positive score of service provider.
- This mechanism drastically reduces chances of disintermediation and sybil attack.
- All payments are done through multi signature. Other traditional feedback systems like ratings and reviews are available.
- Reputation acquired in one vertical is carried across platform Ex: If one uses hospitality service like AirBnB and acquires a reputation score, it'll be carried to peer-to-peer lending network like Prosper. This will ensure bad actors stay out of the network.

Reputation system (contd..)

- Consumer: the consumer of service S
- Provider: the provider of service S
- Payment P: a monetary transaction for utilising service S
- Reputation tip T: option for consumer to pay reputation tip T included in P (say 2% of P)



XEN Token system

- XEN smart token based on ERC-20 standards
- Total Supply: Not fixed
- All economic activity within Xenia platform is driven by XEN tokens
- Token is used for following:
  - Transactions
  - Governance
  - Deposit for listing
  - Commission/fee
  - Advertising
  - Reputation system maintenance
  - Developer grants through Xenia Foundation
  - Escrow, refund
  - Arbitration
  - Bounty for developers, validators, referrals, whistle blowers etc.

Use Cases

- **Verticals** - At the core, Xenia network protocols enable developers and entrepreneurs to create sharing economy verticals like Uber, Airbnb, TaskRabbit etc
- **Advertising** – With vast amount of data, ads can be targeted to the right group
- **KYC** – With robust Identity and reputation system in place, banks and companies can use Xenia network for KYC requirements
- **Safety & Regulation** - Local Governments can work with Xenia Foundation to improve safety & regulatory aspects w.r.t. sharing economy

Benefits of Xenia Network

Consumers:

- Reduced costs
- One Identity across verticals
- More safety
- Increased chances of hiring, obtaining loans etc. with positive reputation score

Service Providers:

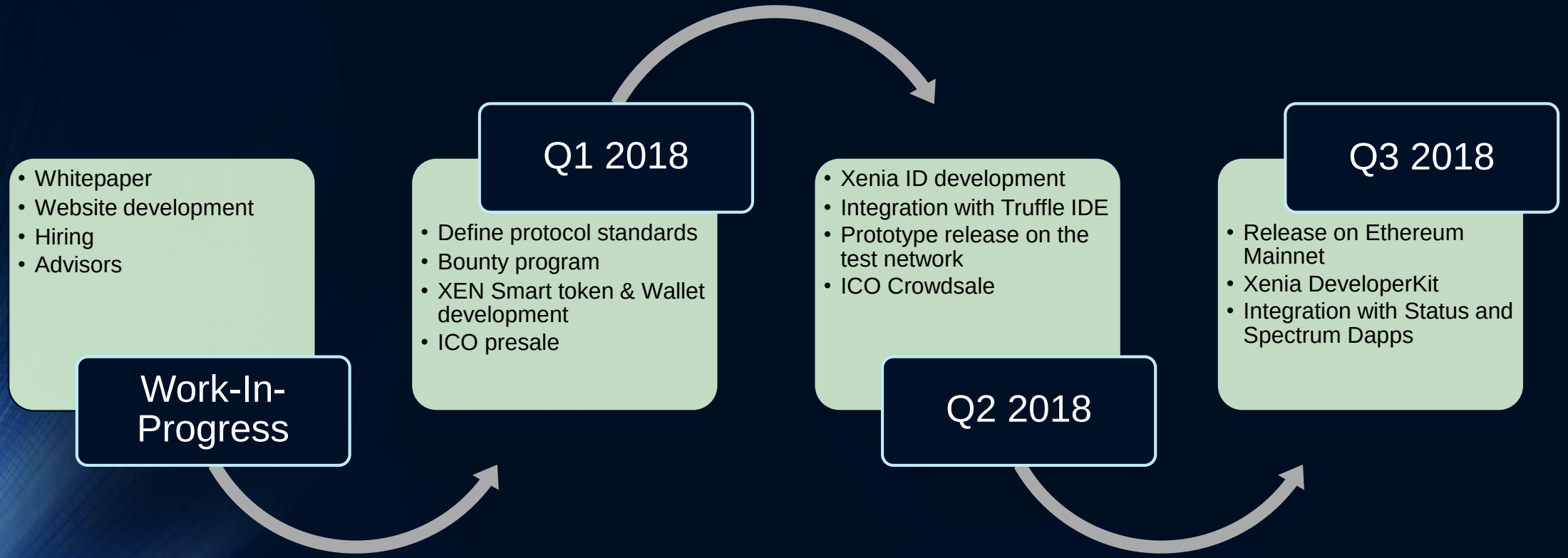
- Low commission rates
- More income by combining several services on one platform. Ex: A business owner can act as a host by renting out space in his apartment (hospitality) and also provide his car for transportation (ride-sharing) to the guests
- Less regulatory issues

Developers:

- Unlimited opportunities to explore and build applications through development tools and Open data
- Bounties, Grants etc.

Environmental Benefits by putting under-utilized assets to work and reducing demand for new goods

Roadmap


Work-In-Progress
• Whitepaper
• Website development
• Hiring
• Advisors
Q1 2018
• Define protocol standards
• Bounty program
• XEN Smart token & Wallet development
• ICO presale
Q2 2018
• Xenia ID development
• Integration with Truffle IDE
• Prototype release on the test network
• ICO Crowdsale
Q3 2018
• Release on Ethereum Mainnet
• Xenia DeveloperKit
• Integration with Status and Spectrum Dapps