



Distributed Sharing Network (DiSNe)

Easy and trusted way to share unused assets paving path for truly shared economy and new avenues for monetization

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Sharing Economy



What is Sharing Economy?

The sharing economy is an economic model defined as a peer-to-peer (P2P) based activity of acquiring, providing, or sharing access to goods and services that is often facilitated by a community-based on-line platform.

Challenges

High intermediary fees

Monopolistic and fragmented landscape

Trust gap

Regulations



Sharing Economy : Prospects



SHARING ECONOMY SECTOR AND TRADITIONAL RENTAL SECTOR PROJECTED REVENUE OPPORTUNITY

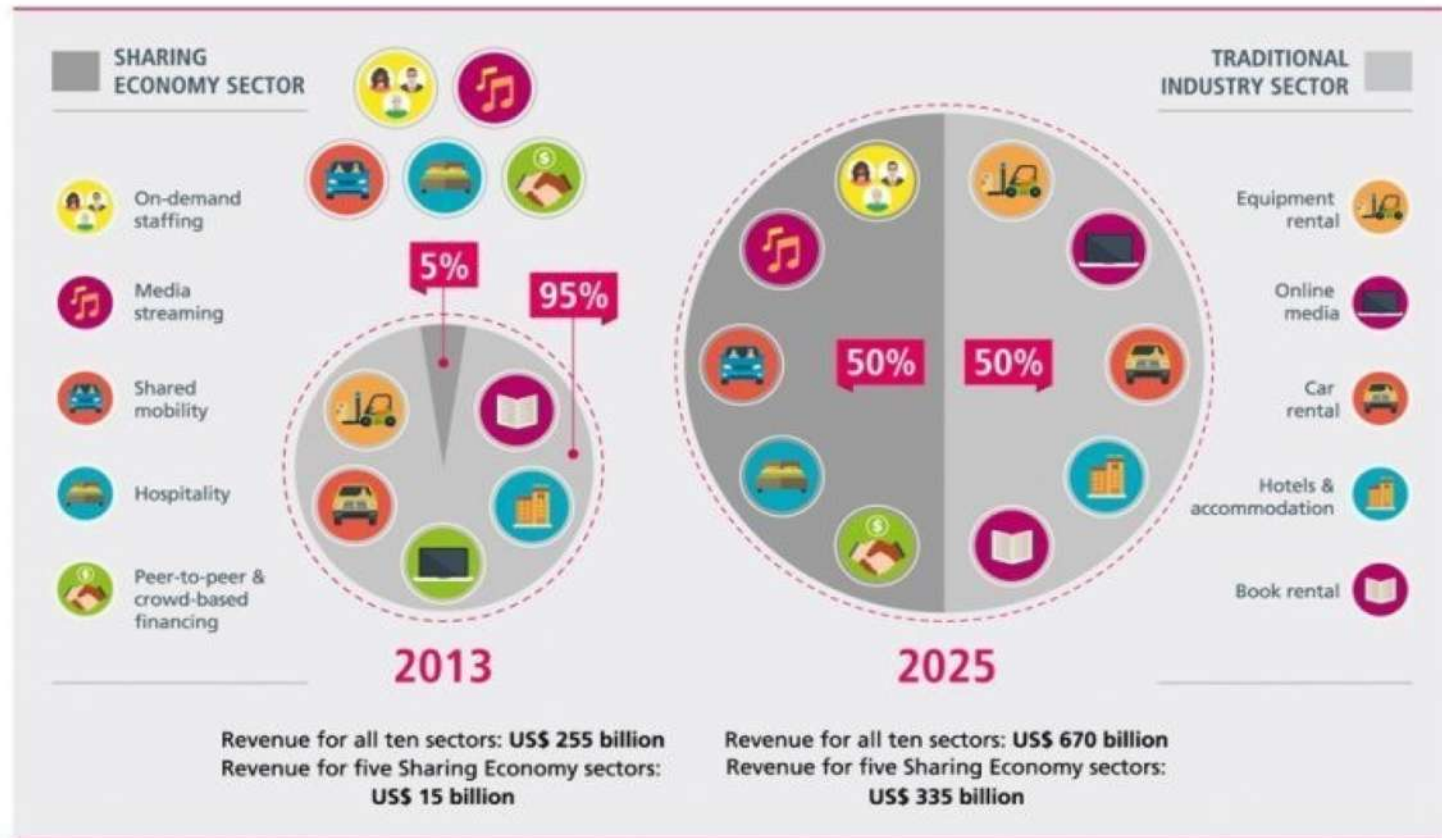


Figure 3: Illustrative revenue potential across five traditional and Sharing Economy sectors; Source: PWC – The Sharing Economy

- 66% of the world is willing to share their assets for financial gain.
- That figure is as high as 94% in China. The millennials' philosophy is fast becoming "If you can rent it, why own it".
- No easy and trusted way to share unused assets without having to worry about whom the share and how to protect payment
- Lack of common network which is accessible to both asset owners and consumers which can be cost effective and trustworthy to protect interest on both sides

Distributed Sharing Network (DiSNe)

Author(s):
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The problem being addressed

- 66% of the world is willing to share their assets for financial gain.
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- No easy and trusted way to share unused assets without having to worry about whom the share and how to protect payment
- Lack of common network which is accessible to both asset **OWNERS** and consumers which can be cost effective and **trustworthy** to protect interest on both sides

Stake Holders Involved

- Asset Owners
- Consumers

Proposed Solution

- Distributed sharing Network on Tangle where asset owners and consumers can find each other without having to trust each other
- Mobile and Web app to register the assets and can be located by anyone on the DSN similar to Google maps
- Create marketplace for shared economy where anything can be shared
- Focus solution on sharing unused cars which can be later expanded to other assets
- Locate registered cars through DSN App on Tangle based on their geo location and request for use. Car owner can approve the access to the car and provide virtual key to the car
- After usage, DSN App takes care of automated payment

Applicable Industries

- Auto
- Real Estate
- Health Care
- etc

Benefits

- The sharing economy's story doesn't end with taxis and vacation rentals. It's expanding to touch consumers and companies, employees and employers.
- Anywhere where there are underused assets such as temporarily vacant apartments, office space or machinery, there is an untapped opportunity to make a profit.
- Marketplace for shared economy

Competitors

- Zoom
- Airbnb
- etc

Business Model Canvas

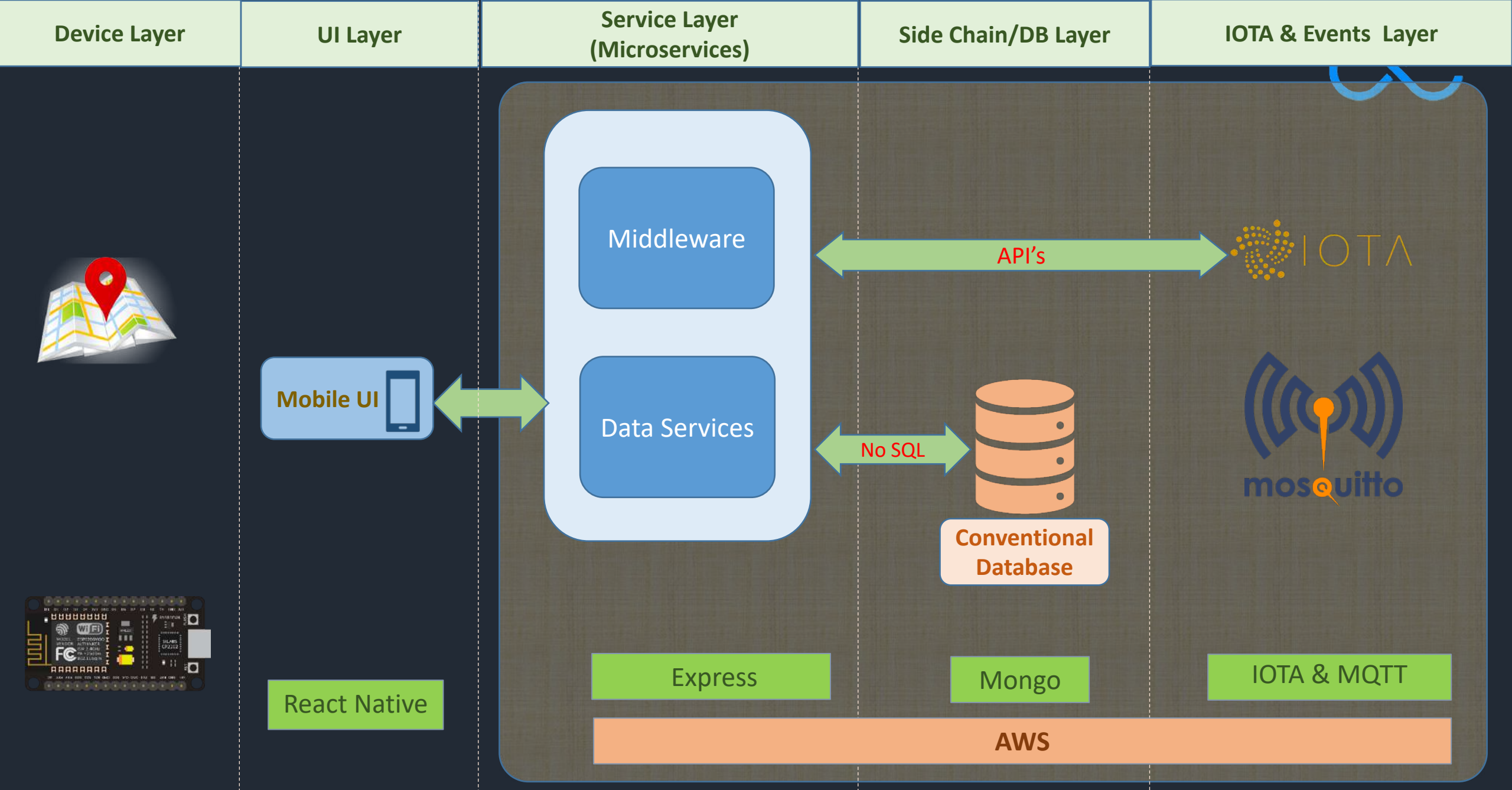


<u>Key Partners</u> <ul style="list-style-type: none">• Individual Asset Owners• Business Establishments with assets for sharing• Individual or Business customers who want to use assets• IOT Device Manufacturers• Asset Manufacturers	<u>Key Activities</u> <ul style="list-style-type: none">• Develop the Tangle Layer and Architecture• Develop Application for Sharing Assets and Payment settlement• Onboard Asset Manufacturers• Onboard Asset Owners & customers	<u>Value Proposition</u> <ul style="list-style-type: none">• Easy and trusted way to share Assets• Protect interest of the Asset owner without having to trust the customer and ensure payment settlement• Opportunity for Asset Manufacturer to provide value added service to the Asset owners and keep association with them throughout the life cycle of the Asset• Supporting the new Millennial Philosophy “If you can Rent it, you can Own it”.• MVP: Platform to share Cars	<u>Customer Relationships</u> <ul style="list-style-type: none">• Partner with Asset Manufacturers to offer DSN platform as value added service• Offer Platform As A Service for Retail and Business Establishments• Advertise on Social Media• Integrate with IOTA Tangle network for Asset registration and Payment	<u>Customers</u> <ul style="list-style-type: none">• Asset Manufacturers• Asset Owners• Asset Consumers
<u>Key Resources</u> <ul style="list-style-type: none">• Intellectual Talent• Hosting Infrastructure• Distribution Channel• Customer Relationship management• IOT Hardware Devices			<u>Channels</u> <ul style="list-style-type: none">• Social Media• Asset Manufacturer Association• Peer to Peer Sharing Network	
<u>Cost Structure</u> <ul style="list-style-type: none">• Application and IOTA Intellectual Talent• Hosting Infrastructure• IOT Devices• Supply Chain and Distribution Channel			<u>Revenue Streams</u> <ul style="list-style-type: none">• Manufacturers will pay for the value added service• Asset Owners will pay service fee for sharing assets on the distributed network• Asset Consumers will pay service fee for consuming the asset	



Why IOTA?

- The technology behind IOTA is the only technology that can **scale** and support the millions of transactions using Sensors and DLT.
- It is **feeless** and can support **partitioning** – meaning that local transactions of recording the temperature and location can be secured in periods **without direct access to internet** such as remote areas during transport.
- Tracking with Geo Location and condition of Vaccine maintained like temperature **monitoring real time with events triggered** in case of Breach of Vaccine Temperature range.
- Provide **trustworthy Information** regarding the storage and handling of the Vaccine from manufacturer till it reaches the Patient thereby build trust .
- Recorded Data and events can be pulled to track the vaccine information by scanning QR Code giving **transparency** to Vaccine Coldchain.



DiSNe - Layered Architecture

A hand-drawn word cloud on a light blue background. The words are arranged in a shape that resembles a question mark. The words include: 'WHY?', 'HOW?', 'WHAT?', 'WHERE?', 'WHICH?', 'WHEN?', 'WHO?', 'WHY?', 'HOW?', 'WHAT?', 'WHERE?', 'WHICH?', 'WHEN?', 'WHO?'. A hand is visible on the right side, holding a black pen, pointing towards the word cloud.





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