nRide

A p2p ride hailing protocol

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p2p network | driver registry | messaging protocol | token economy | applications | DAO

What is it, and who is it for?

a peer-to-peer ride-hailing
protocol that connects riders and
drivers directly, without
intermediaries

ARIDE

The network model is broken

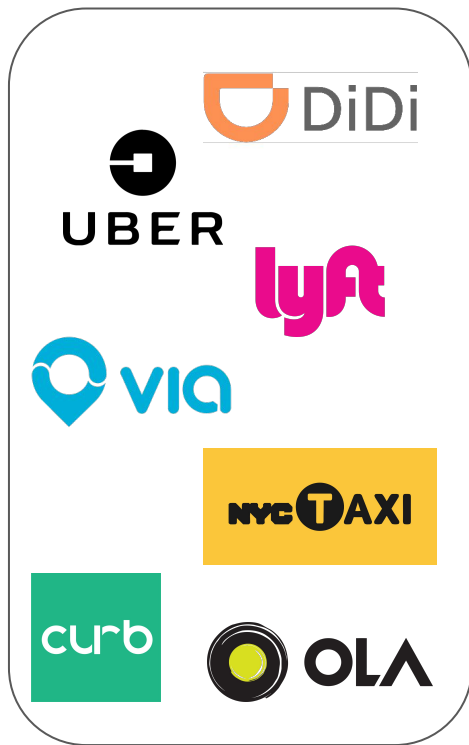**Networks don't make money**

Uber | Get | FreeNow ...

Drivers pay high service fees

Paying 20%+ commission

Passenger experience is often poor

Availability | Time to pickup | Cancellations | Surge pricing

ARIDE

The Problem

High and opaque service fees

Drivers and riders are constrained to rely on service providers whose interests are not directly aligned with theirs

High barriers to entry

- Innovation within the ride-hailing industry is hindered
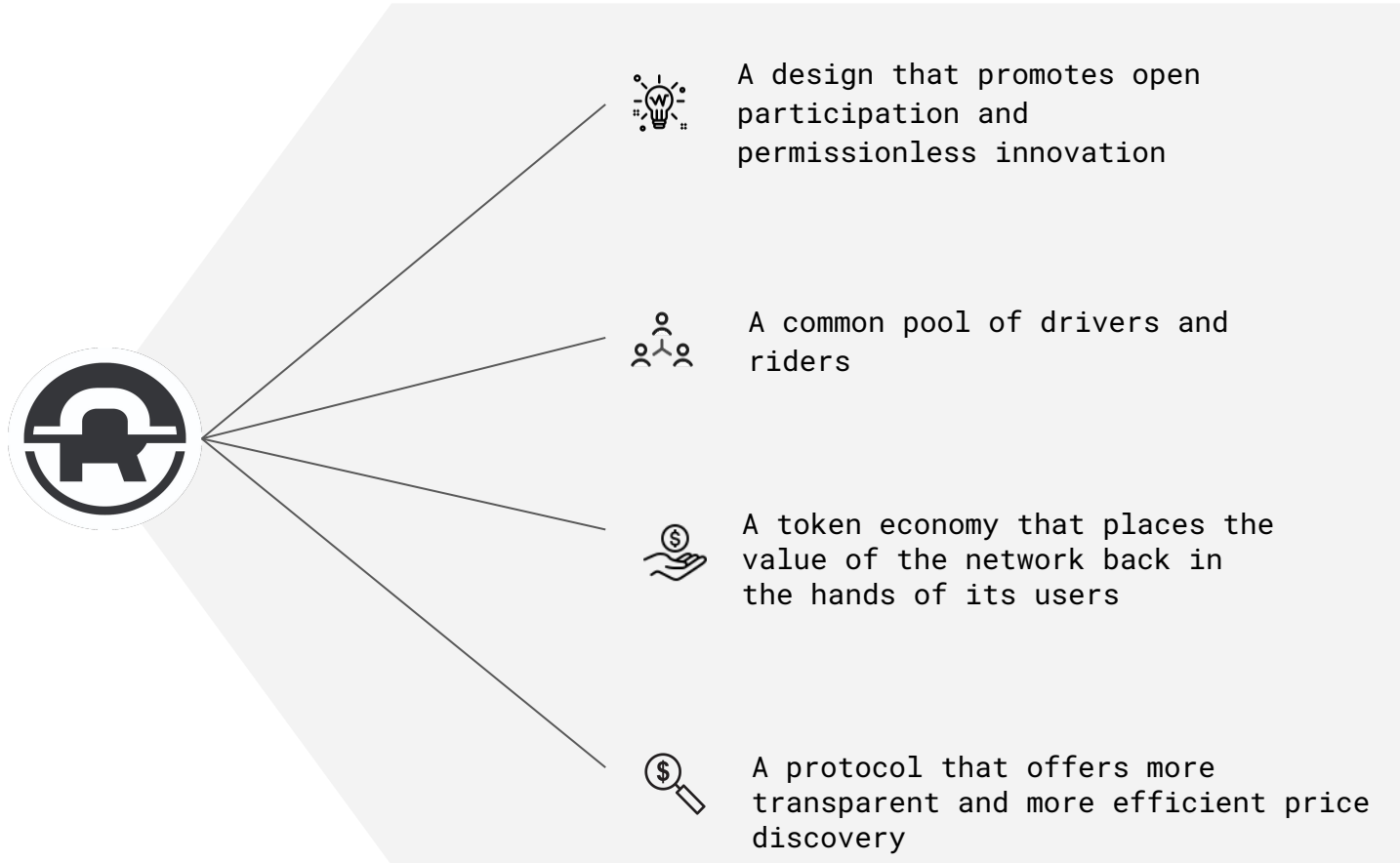- The cost of acquiring a critical mass of users is prohibitive

Siloed Applications

- Each application has a separate user base
- No shared pool of drivers/riders

Centralized

No platform exist that is truly owned and operated by the community that uses it

Proposed Solution

A design that promotes open participation and permissionless innovation

A common pool of drivers and riders

A token economy that places the value of the network back in the hands of its users

A protocol that offers more transparent and more efficient price discovery
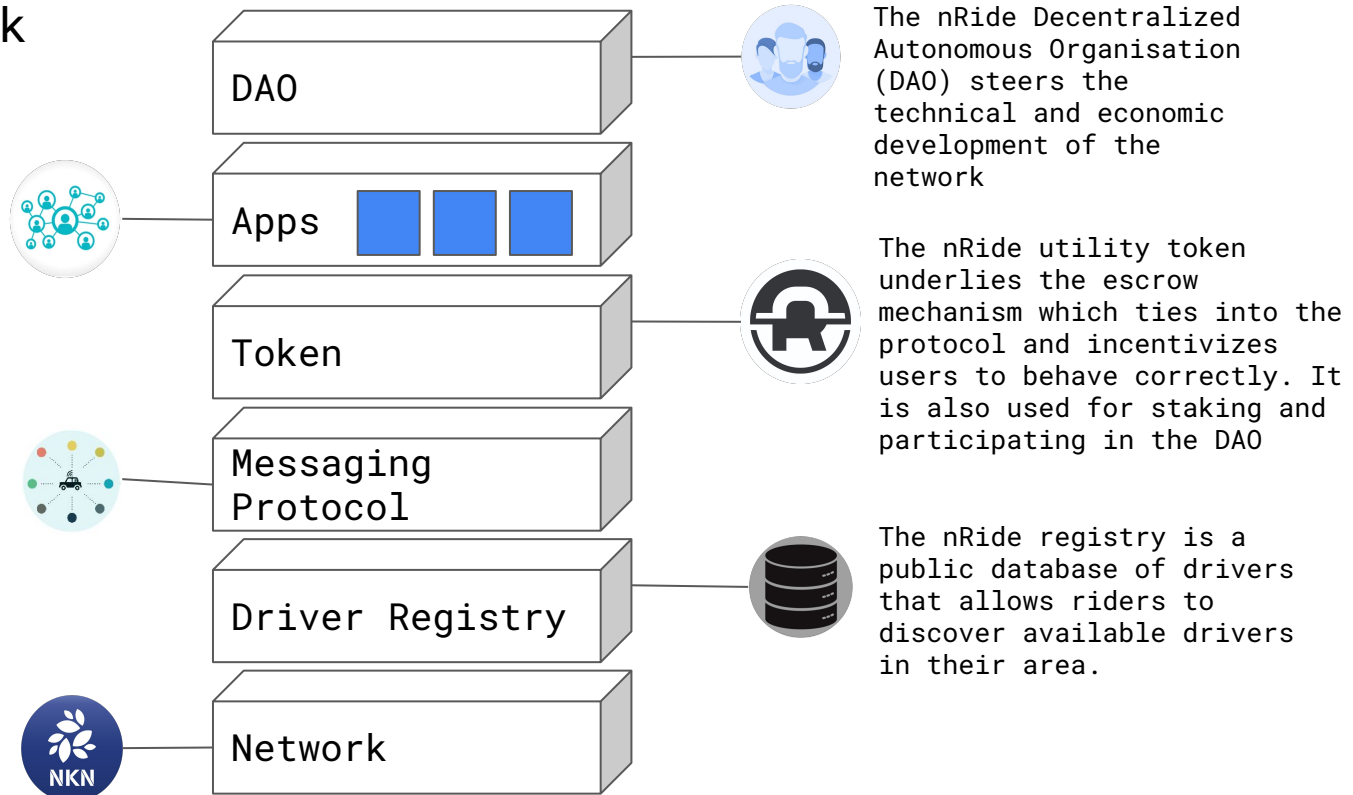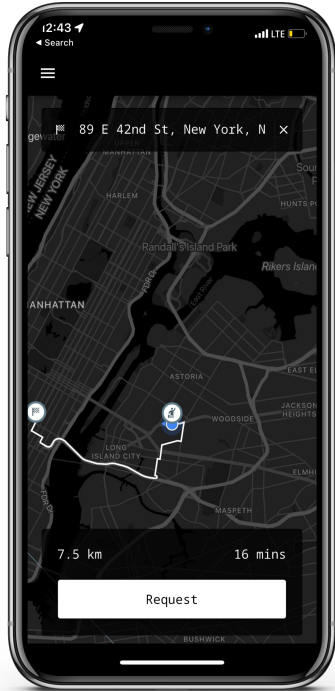
Proposed Solution

The nRide Stack

Mobile applications that implement the nRide protocol can tap into a common pool of drivers and riders with minimal development effort and infrastructure costs

The messaging protocol specifies the format and sequence of messages to be exchanged over the network in order to agree on a journey and coordinate a pickup
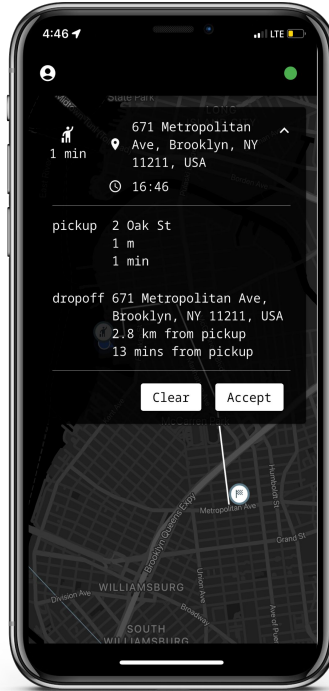
The p2p networking solution enables drivers and riders to talk directly to each other without relying on a central third party
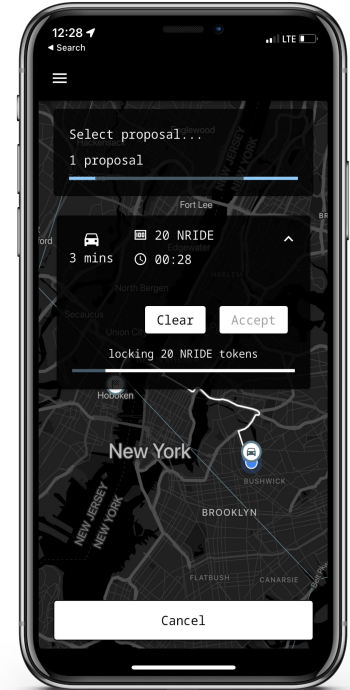
DAO

Apps

Token

Messaging Protocol

Driver Registry

Network

The nRide Decentralized Autonomous Organisation (DAO) steers the technical and economic development of the network

The nRide utility token underlies the escrow mechanism which ties into the protocol and incentivizes users to behave correctly. It is also used for staking and participating in the DAO

The nRide registry is a public database of drivers that allows riders to discover available drivers in their area.

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nRide Application

Passenger - Request

Driver - Accept

Passenger - Confirmed

Team

Martin Arrivets Co-Founder, Technology
- [Linkedin](#)
- Co-Founder at [Mosaic Networks](#)
- Blockchain developer at Flow, Fantom, Coinbase, Clearmatics
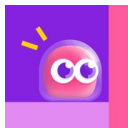
Gary Jackson Co-Founder, Operations
- [Linkedin](#)
- Co-Founder Hailo/MyTaxi/FreeNow
- Co-Founder [Know Mobility](#)

Oluwadare Sobande Co-Founder, Product
- [Linkedin](#)
- BD at Solana
- Research Associate at CoinList
- Analyst at Galaxy Digital

Team

Milestones

nRide started at the Gitcoin Hackathon in late 2021 and, with the support of strategic partners, evolved into a more ambitious project to disrupt the ride-hailing industry

| Sept 2021 | Q1 2022 | Q3 2022 | Q2 2023 | Q4 2023 |

Gitcoin Hackathon

nRide prototype wins a prize sponsored by NKN at the Gitcoin Hackathon.

Private Alpha

nRide completes private Beta version of the application, funded by NKN.

nRIde DAO

Creation of nRide DAO and NRIDE token.

Public Beta

nRide tests public Beta at AwesomWasm conference in Berlin

nRide V1

Release v1 of nRide mobile application for production use

NRIDE

Appendix

P2P Network

Users connect directly to one another without a central authority

NKN

Blockchain-based decentralized overlay network

- No need for public IP or port forwarding
- Optimized routing
- Private and secure delivery

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Driver Registry

nRide compatible apps share a common pool of users.
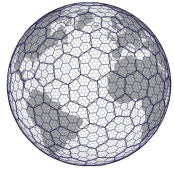
Scalable localised user discovery

- Smart-Contract Driver Registry
- Drivers register to area topic
- Riders publish requests to area topic

Users only interact with other users in their vicinity

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Messaging Protocol

1 Request - Passenger broadcasts a pickup request

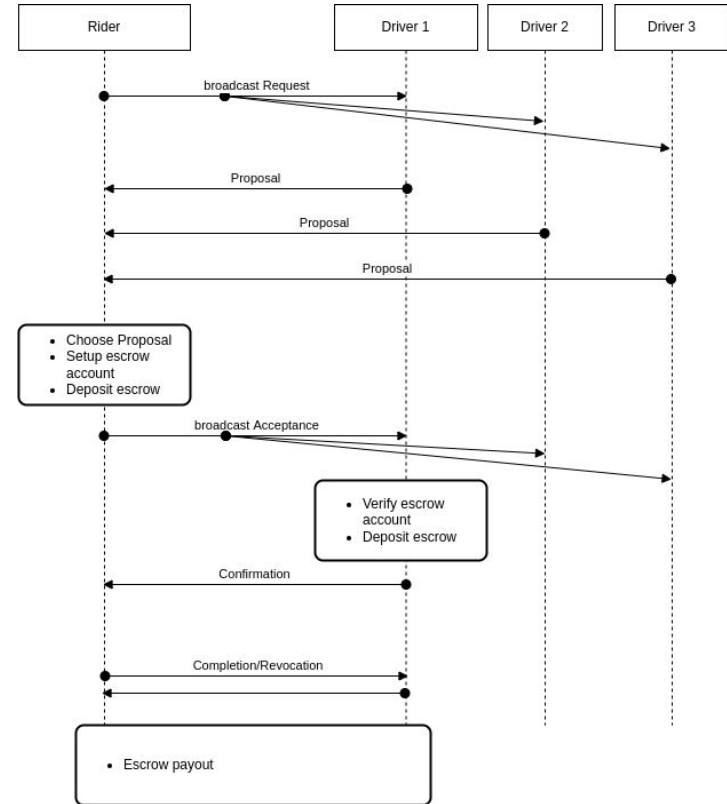**2** Proposal - Drivers send proposals directly back to passenger

3 Acceptance - Passenger accepts a proposal, sets up the escrow account including their deposit, and broadcasts an acceptance message

4 Confirmation - Driver checks the escrow account, and sends a confirmation directly back to passenger
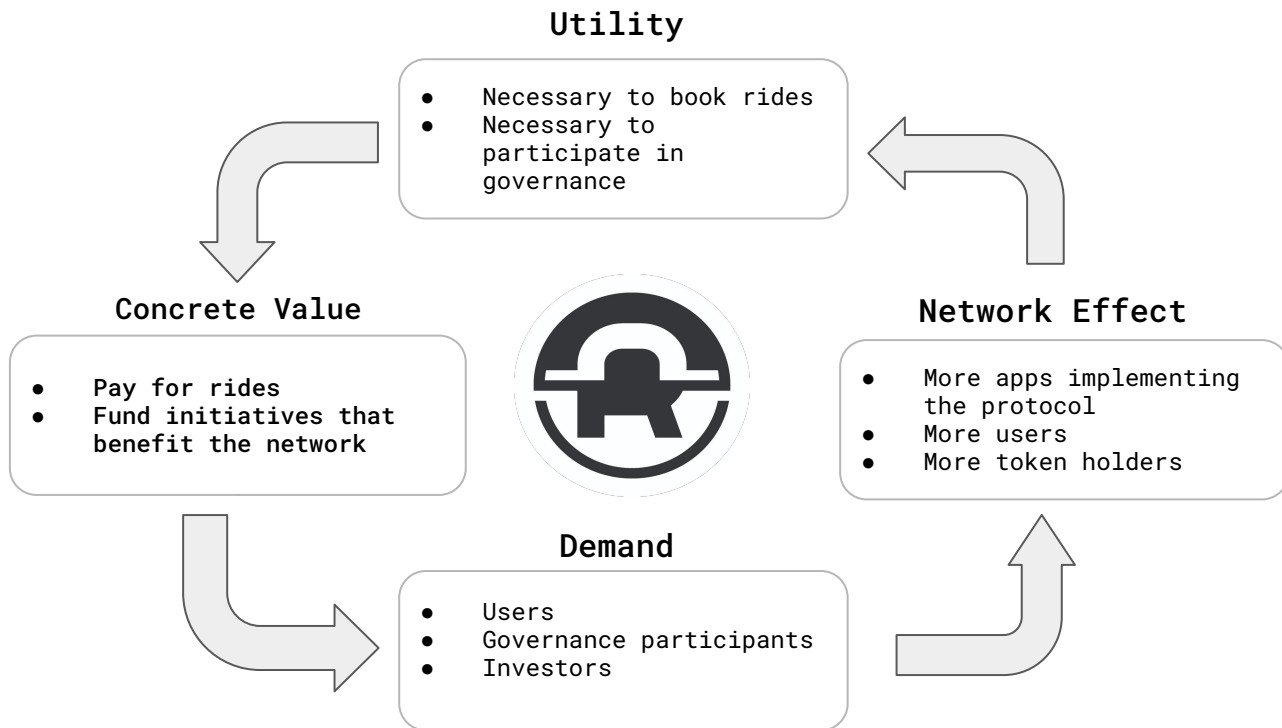
**5** Revocation/Completion - Users revoke or attest to the completion of the pickup, and escrow is released.

Rider | Driver 1 | Driver 2 | Driver 3

broadcast Request

Proposal

Proposal

Proposal

- Choose Proposal
- Setup escrow account
- Deposit escrow

broadcast Acceptance

- Verify escrow account
- Deposit escrow

Confirmation

Completion/Revocation

- Escrow payout

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nRide Token

nRide fosters a token economy that puts the value of the network in the hands of its users.

Utility

- Necessary to book rides
- Necessary to participate in governance

Concrete Value

- Pay for rides
- Fund initiatives that benefit the network

Network Effect

- More apps implementing the protocol
- More users
- More token holders

Demand

- Users
- Governance participants
- Investors

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Applications

The nRide mobile application is currently in public Beta. This first implementation of the protocol will lead the way for other projects to join the network and to form an ecosystem of compatible ride-hailing applications sharing a common pool of users.
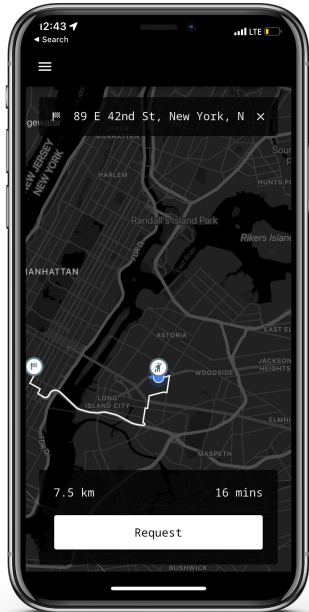

Passenger - Request
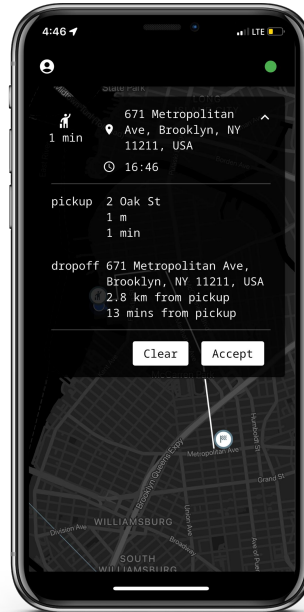
Driver - Accept
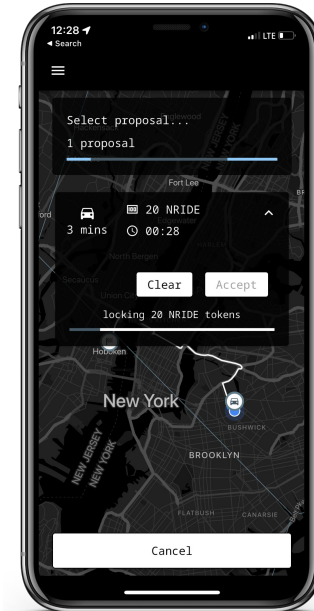
Passenger - Confirmed

DAO - live on DAO DAO

By staking tokens in the nRide DAO, users can vote on governance proposals to update protocol parameters, or spend tokens from the treasury to fund initiatives that benefit the community.

Home > nRide DAO

Rattadan	**D.Humpster**	**fayzez**
# juno1uynr9jgem0dlqpmnkg870tej...	# juno1vtyghrjrf9jz2vpglsd8d23j...	# juno15qypa0nx5yn2jdvms26fcejr...
Voting power 2.402%	Voting power 2.14%	Voting power 0.0372%
Staked 2,518,284.547228 $NRIDE	Staked 2,242,986.235622 $NRIDE	Staked 39,000 $NRIDE
		taban101
# juno1etltrk88jyye62lynfd8e8zh...	# juno1rdesw0swdl6jh898wvnd0gwm...	# juno1l5fl0x0mz0euezyyww846ufs...
Voting power 0.01041%	Voting power 0.007017%	Voting power 0.004975%
Staked 10,911.313962 $NRIDE	Staked 7,355.662984 $NRIDE	Staked 5,215 $NRIDE

Home > nRide DAO

▼ History • 17 Proposals

A-00017	◉ Closed	Enable x/FeeShare Module for the DAO's token contract address
A-00016	⊘ Executed	Enable x/FeeShare Module for the DAO's registry contract address