

The Nodle Network

Welcome to swarm computing



Have you
ever tamed
an eagle?



Some
people
can do it



What about a swarm?



Even harder.

And this is
Nodle's mission.

To tame a swarm

To tame a *swarm*
of smartphones

The Nodle mission

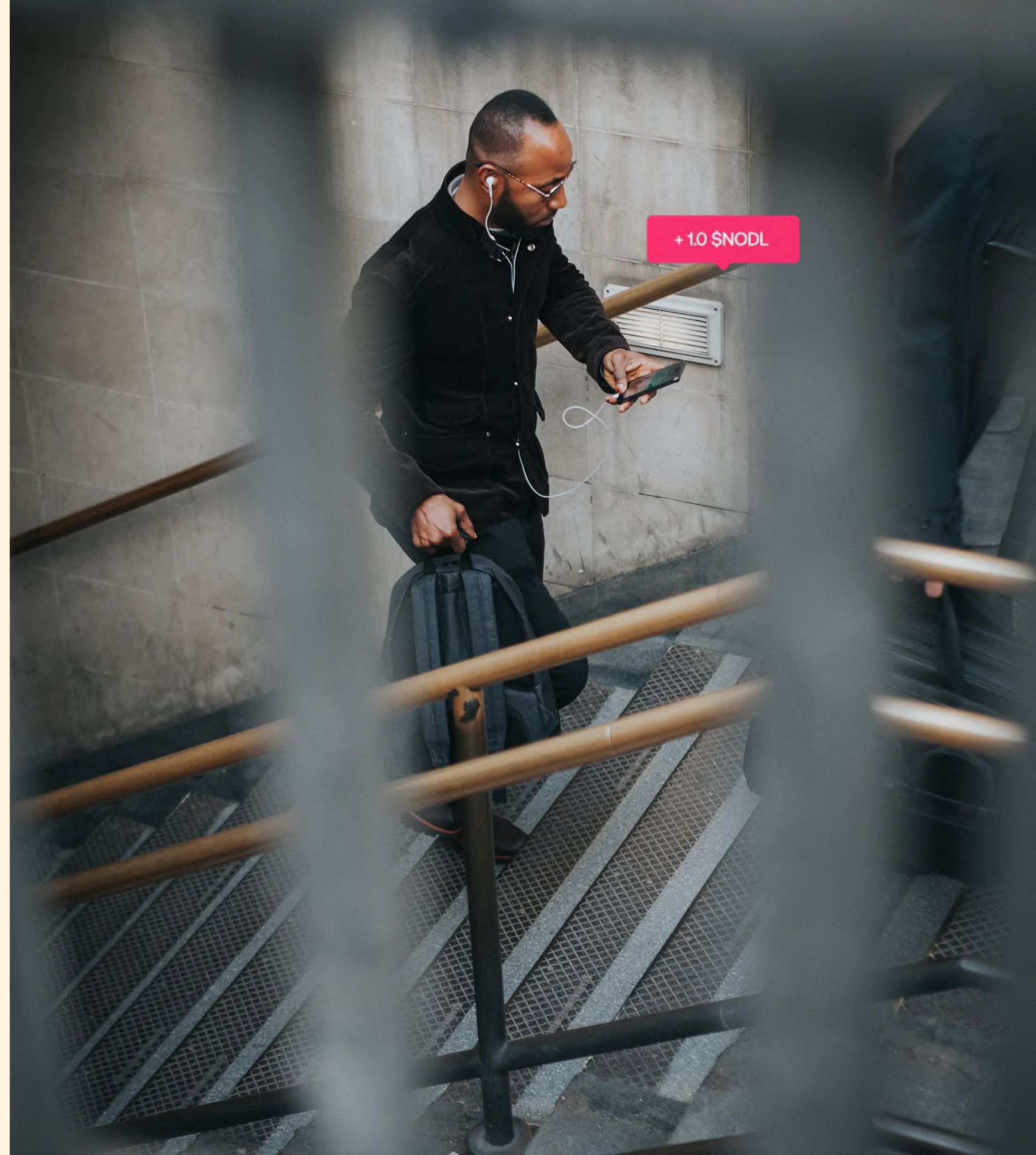
By taming a swarm of smartphones,
the Nodle network
creates value for
individual and businesses

What is the Nodle Network

Nodle is a programmable network of mobile phones that executes "smart missions".

It's a swarm computing platform.

A Smart Mission is a decentralized app that runs on mobile phones and connects with its surroundings.

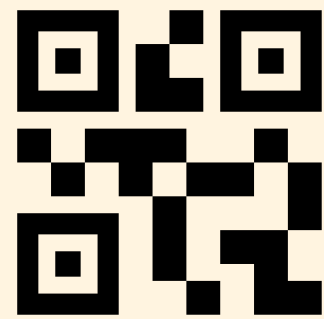


Open source. Open
standard. Open network.

It uses multiple ways to connect



BLE



QR



NFC

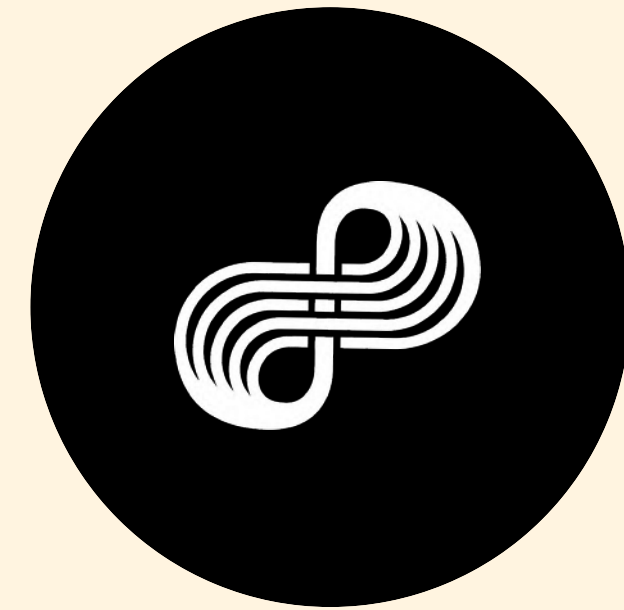
It has different kinds of nodes



Nodle App



**Host apps running
Nodle SDK**



Nodle Hotspot



Let's explore some BLE use cases

Why now?

The BLE market is exploding.



Apple has grown AirTag to a \$1B+ business in 2022.

We believe the enterprise market is significantly larger

Source: Ming-Chi Kuo, Forbes

Usecase 1

Asset tracking

IoT BLE Passive

An insurance company locating vehicles



Usecase 2

Data collection IoT BLE Passive

A shipping company wants to gather data such as temperature



Usecase 3

Offline analytics

IoT

BLE

Passive

Billboard advertisements can interact with users so brands get insights



Usecase 4

Proof of participation (PoP)

A local store wants to reward participants for showing up

NFT

BLE

Active



NFC

Let's explore some
NFC use cases

Usecase 5

Fighting counterfeiting

IoT NFC Active

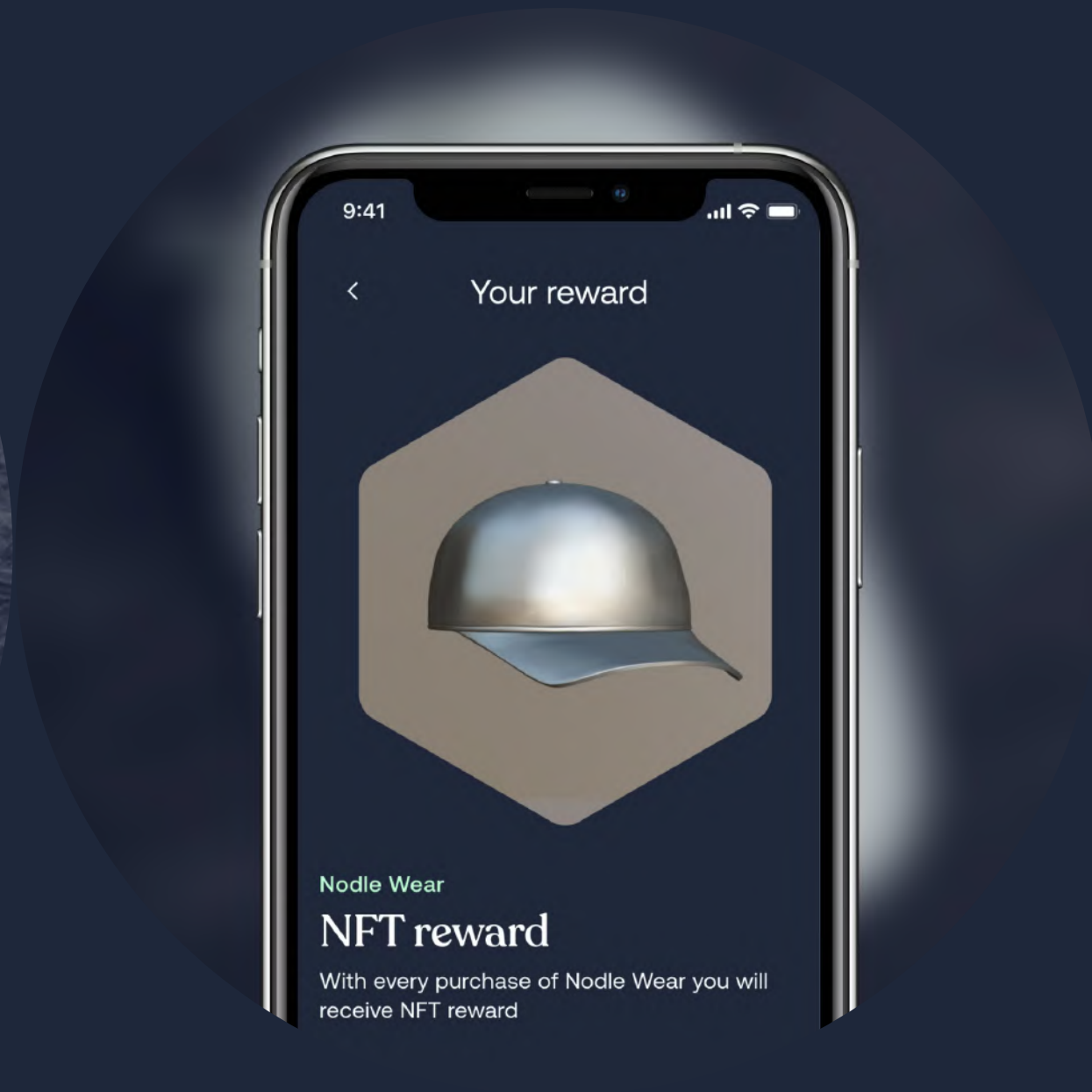
A new way for customers to have a Proof of Authenticity



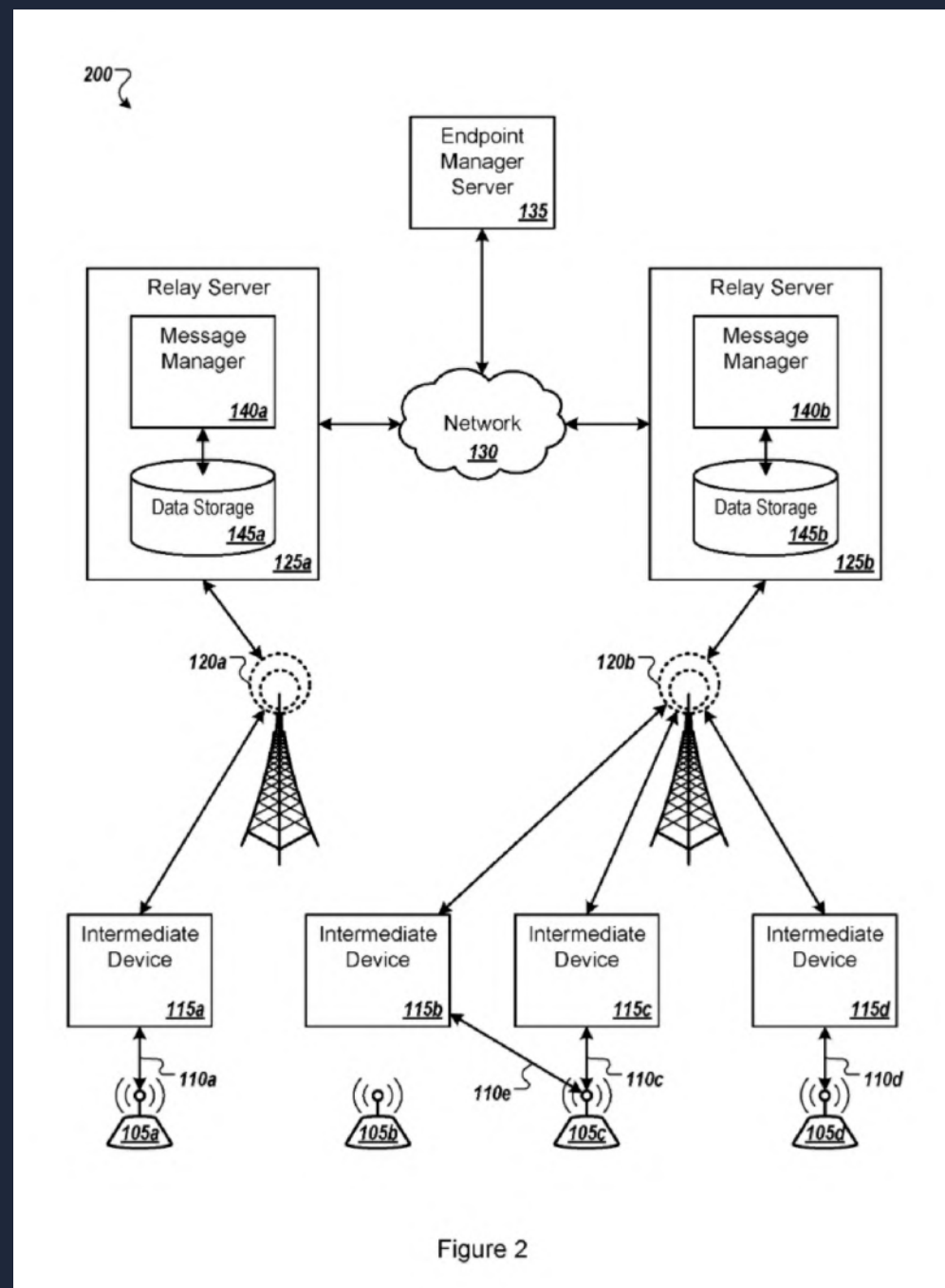
Usecase 6

Unlocking experience NFT NFC Active

The Proof of Authenticity is used to unveil a digital collectible experience



A portfolio of 30+ granted patents, and more in the pipeline.



Title: **DELAY TOLERANT DECENTRALIZED NETWORK**
 Filed: June 7, 2018
 Serial No.: 16/003,024
 Issued: October 15, 2019
 Patent No.: 10,448,238

Title: **VALIDATION IN A DECENTRALIZED NETWORK**
 Filed: September 26, 2019
 Serial No.: 16/584,426
 Issued: July 8th, 2020

Title: **SECURE BEACON IDENTITY**
 Filed: May 14, 2019
 Serial No.: 16/412,200

Title: **AUGMENTING REALITY BY CAPTURING SIGNALS USING WIRELESS RADIOS**
 Filed: September 25, 2019

Title: **A METHOD FOR PROVISIONING AND AUTHENTICATING DEVICE CERTIFICATES**
 Filed: September 16, 2019
 Serial No.: 62/901,149

Title: **SYSTEM FOR TRACING CONTACTS AMONG WORKERS AND EMPLOYEES**
 Serial No: 63/021,040
 Filed: May 6, 2020

Title: **TEST RESULTS WITH SECURE ELEMENTS AND CRYPTOGRAPHY**
 Serial No: 63/018,481
 Filed: April 30, 2020

The team

50 people-strong. Deep expertise in open platform and Bluetooth Low Energy



Micha Benoliel
Co-Founder & CEO

Built the first telco to enable communication for Skype Out, founded Open Garden, \$34M funding. Launched Firechat App, top 10 app in 124 countries and largest mesh network until Nodle. Built Piper Chain.

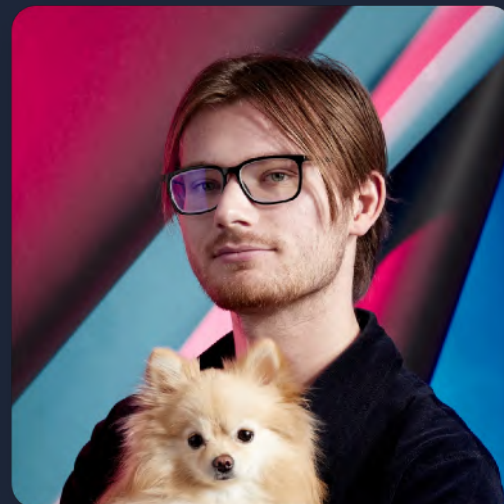


Garrett Kinsman
Co-Founder, Head of Sales & Network Growth

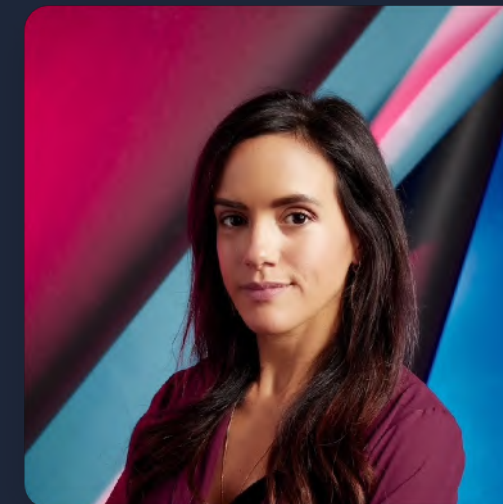
Dropped out of college to join Firechat. Moved to Bangalore to join Ola Cabs, co-founded Ola Play. Ola Play led to raising \$2.1 billion from Softbank / Tencent. Moved back from India to co-found Nodle.



Florent Stroppa
VP of Products & Design



Elliott Teissoneire
Chief Technology Officer



Carolina Mello
Head of Content & Communications

Connect everything, empower anyone.

0.2 \$NODL

+ 1.0 \$NODL

Market size

The B2B market will be as large as +\$500B by 2030

Smartphones, computers, connected vehicles

7B in 2022
8B by 2025

\$200 USD per device per year
(5G in the US)

\$500B USD
market worldwide by 2025

IoT devices - high value assets (containers, consumer electronics, industrial equipment...)

14B in 2021
31B in 2025

\$10 USD per device per year
with wide area network
(Sigfox, Lora, LTE-M, NB-IoT)

\$300B USD
market worldwide by 2025

IoT sensors - low value items (pallets, bottles, packages, letters, iBeacons...)

~0 in 2021
100B in 2030?

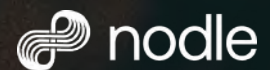
\$0.8 USD per device per year
with delay-tolerant network
(Nodle - price point with Roole for 2M
tracked devices by 2025)

\$80B USD
market worldwide by 2030

We are all nodes,
some of us just don't know it yet.

+1.0 \$NODL

0.2 \$NODL



Why Nodle?

An open ecosystem is **stronger** than a closed environment

Open like
Internet, the
Web, Android



Enables an
ecosystem to
grow faster

Open source
innovation



Attracts builders,
integrators,
suppliers

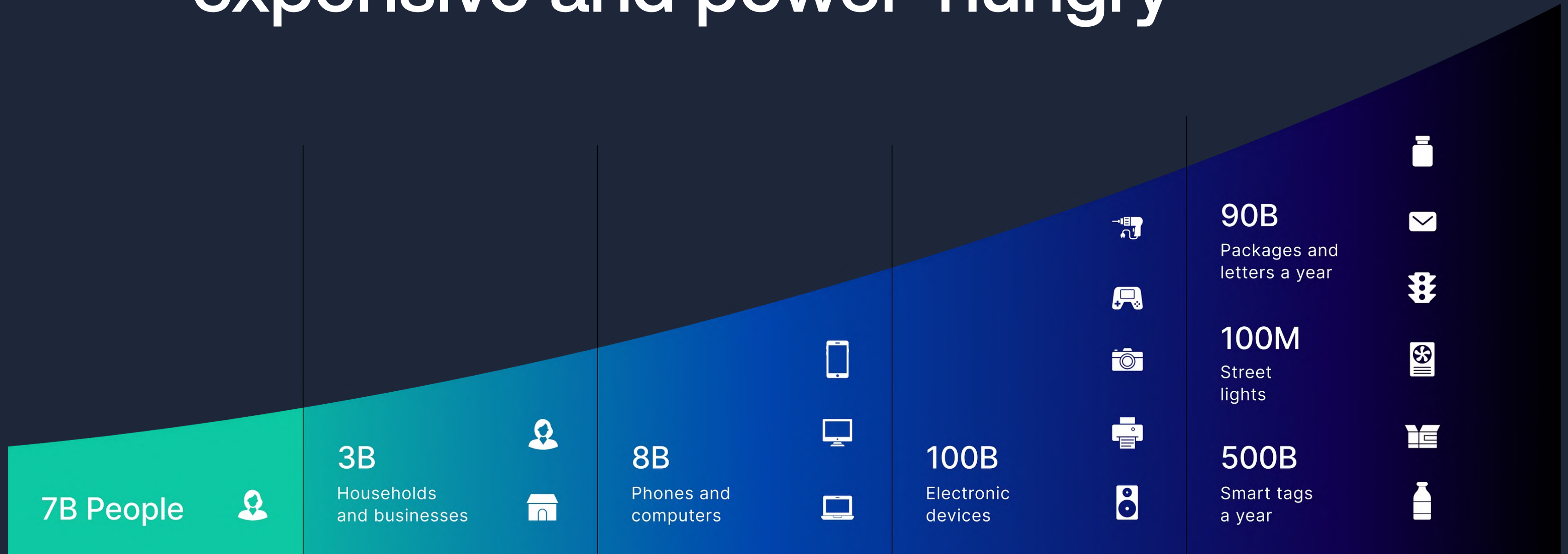
Permissionless
activation



Enterprises
have no risk &
keep control

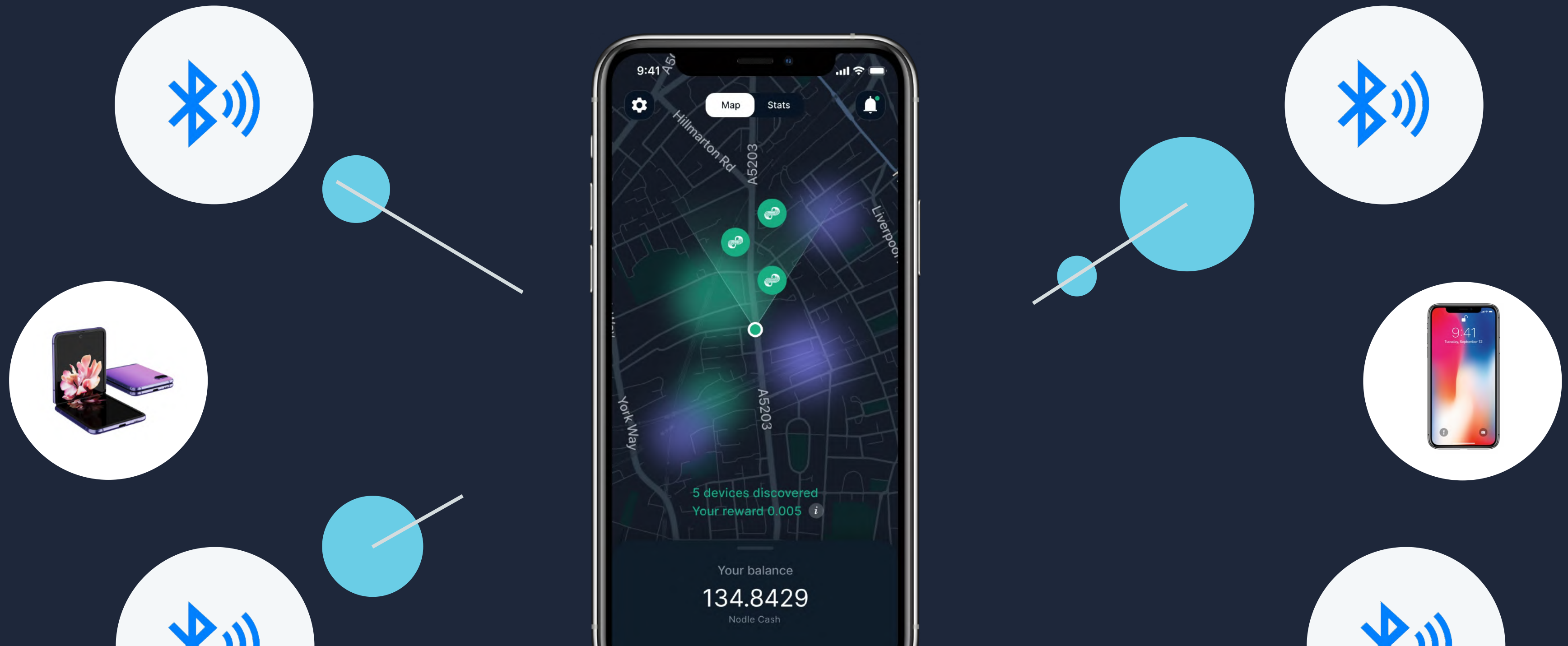
Problem

Billions of objects are left unconnected because current IoT solutions are too expensive and power-hungry



Solution

The Nodle Network leverages the connectivity of smartphones through Bluetooth Low Energy



Why now?

Strong tailwinds in favor of an explosion of the B2B market

Mature
technology



Getting faster,
super reliable

Economies of
scale



Consistent
cost reduction

Proven B2C
use cases



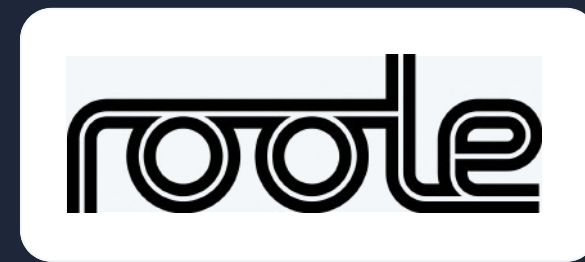
Ready for B2B
use cases

Traction

First B2B customers signed

And we welcome new service providers to join us the ecosystem

Signed customers



~ 2M



1M +

Expected devices in 2025

POC integrations underway:



~ 10M



~ 100k



~ 500k

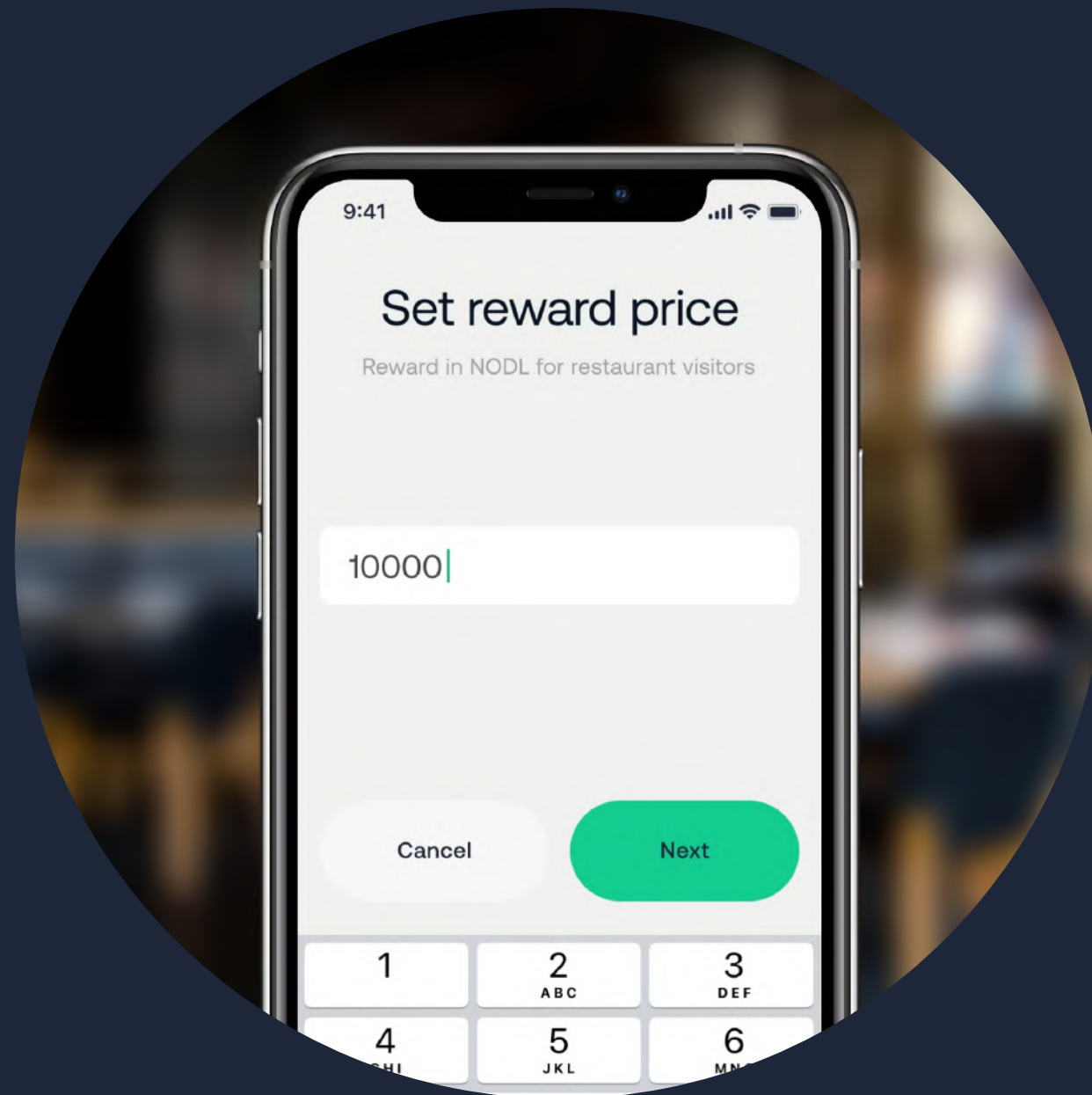
+ ...

Expected devices in 2022

Usecase 4

Community building NFT QR Active

A place wants to attract new people



Market
participants

Apple, and Samsung have proven that the **technology works at high-scale**



Samsung

SmartThings Find

B2C asset
location



Apple

Find My

B2C asset
location



Nodle

connect^x

B2B asset
location & connectivity



Want to make a presentation like this one?

Start with a fully customizable template, create a beautiful deck in minutes, then easily share it with anyone.

[Create a presentation \(It's free\)](#)