

# botocean<sub>γ</sub>

ALGORITHMIC TRADING MARKETPLACE



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## Introduction

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Since its inception, trading and investing in cryptocurrencies remains one of the most complex financing forms, requiring substantial time and knowledge to have consistent positive results. This is further doubled by the constant growth patterns in the market and the fact that the market operates 24/7, adding to the high volatility levels. This means that trades need continuous monitoring and input, unlike traditional stock markets, where a more lax approach can still function.

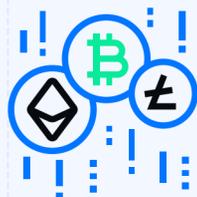
Due to the high complexity level, new solutions are required for coping, with automation being the most widely sought after. Due to this, some platforms have introduced a few rudimentary solutions to tackle this issue. The attempts number things like bot marketplaces, back testers, or bot builders. However, the notion of an even remotely complete ecosystem remains elusive.

From a cost point of view, the barrier to entry remains high, creating a closed-off ecosystem and limiting the chances of more extensive participation from interested parties. This mentality has become pervasive, with hidden fees and uncertain regulations, which contribute to an overall lack of equitability and fuel a race for profit. This opaque environment draws in only certain types of users, namely those who can adapt on the go to the context. Additionally, the high level of centralization gives little, if any, a choice to revenue-generating users.

There is much data floating around at the moment to prove the viability of blockchain technology and cryptocurrencies, ending the notorious bubble argument once and for all. Because the core principles which sit at the core of the technology, such as decentralization, transparency, privacy, and security, ensure the long term viability.

This aspect, taken together with most platforms' current state, creates a potential gap in the market, creating a perfect disruption environment. Most existing platforms are difficult to use and understand, requiring either in-depth trading knowledge or programming skills, sometimes alienating new customers and proving to be time-consuming for the more experienced traders.

## Crypto Traders challenges



### Heterogeneous trading ecosystem

With the rising demand for cryptocurrencies, there is visible growth in the number of trading signal providers that sell advice for buying/selling assets. Distinguishing between legit platforms and scammy ones is increasingly difficult. Most of these 'signal providers' do not offer automated trading solutions and often have inadequate risk management, and some lack specific trading strategies. We want to raise the bar and set the industry standard regarding creating a platform that empowers its users.



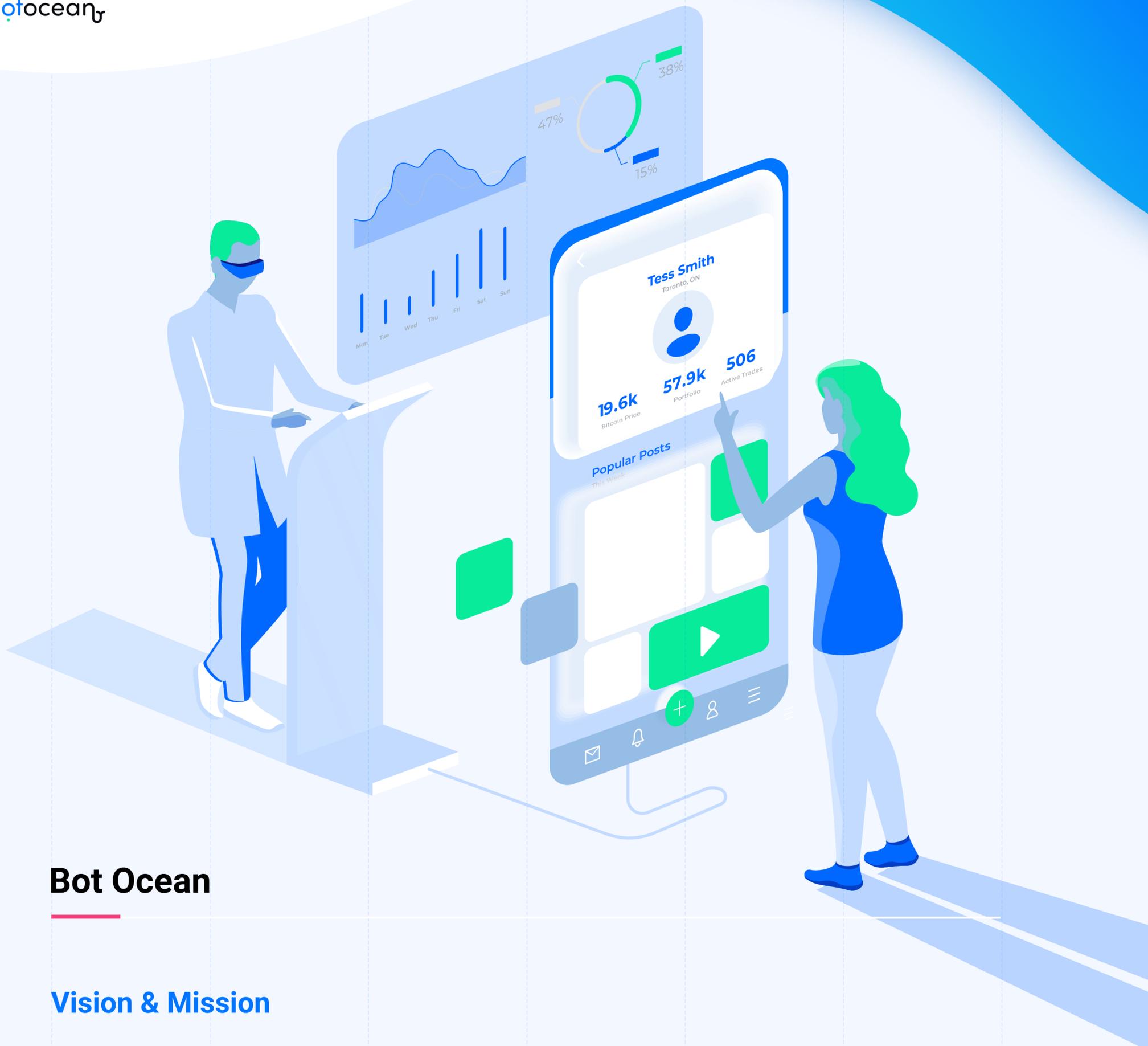
### Disparate trading tools

Efficient crypto-trading implies the use of multiple tools and services. This brings high costs for the end-user both in money and in time. Every newcomer is confused between exchanges, chartism tools, event calendars, market data, news aggregators, portfolio trackers, signal providers, trading bots, and other tools. It's challenging to navigate this market of uncertainty, especially as a noob.



### Unpredictable results

The crypto market volatility is both an attractive and detracting factor for investors, based on their savviness and investment experience. This factor can become a nuisance if the trading tools are not up to the task, and amateurs are building them.



## Bot Ocean

### Vision & Mission

Our vision is to create a truly decentralized platform to automate and simplify the trading experience for new and existing traders. Bot Ocean represents the one-stop-solution every trader needs by their side.

The ever-growing demand for professional-level tools for trading in this industry drives us to develop this unique platform. Bot Ocean sits at the convergence of multiple technologies that beginner and professional traders alike seek in a trading bot software.

A complete ecosystem composed of back testers, strategy Shipwrights, and exchange connections are prepared to provide a robust infrastructure that can support intense trading activity.

Our goal is to enable crypto-newcomers with state-of-the-art signals, tools, bots, and automation tools to fit their personal goals. Our platform is for both newcomers as well as seasoned investors to build their perfect portfolio.

## Differentiators

The platform represents a trading SaaS ready for users to plug into their trading accounts on exchanges and start trading. Bot Ocean does not hold users' funds. Each user pays a fixed and transparent monthly fee for using the platform.

Compared to other platforms, Bot Ocean provides a full set of trading tools to support trading past the hobbyist level, bringing real data, research, and information to the table for all users, equally. Professional trading is now available to traders of all volumes and backgrounds, eliminating the need for a trader's support to scale up.

Benefits	QuantConnect	Haasonline	CryptoHopper	Kryll	Bot Ocean
Decentralized platform	✔ Yes	✘ No	✘ No	✘ No	✔ Yes
Trading Analytics	✘ No	✘ No	✔ Yes	✔ Yes	✔ Yes
Market Research	✘ No	✘ No	✘ No	✘ No	✔ Yes
Social copy trading	✘ No	✘ No	✔ Yes	✔ Yes	✔ Yes
Algorithmic Trading	✔ Yes	✔ Yes	✔ Yes	✔ Yes	✔ Yes
Bot Marketplace	✔ Yes	✔ Yes	✔ Yes	✘ No	✔ Yes
Dex Trading	✘ No	✘ No	✘ No	✘ No	✔ Yes
Manual trading Dashboard	✘ No	✘ No	✘ No	✘ No	✔ Yes
Educational Content	✘ No	✘ No	✘ No	✔ Yes	✔ Yes
Mobile App	✘ No	✘ No	✘ No	✘ No	✔ Yes

## Market Overview

With the launch of Bitcoin, trading services have started offering OTC options to buy this coin, and after new digital currencies emerged, the crypto trading sector has boomed. Even if the field is less than a decade old, its growth is evident.

### Total Market Capitalization

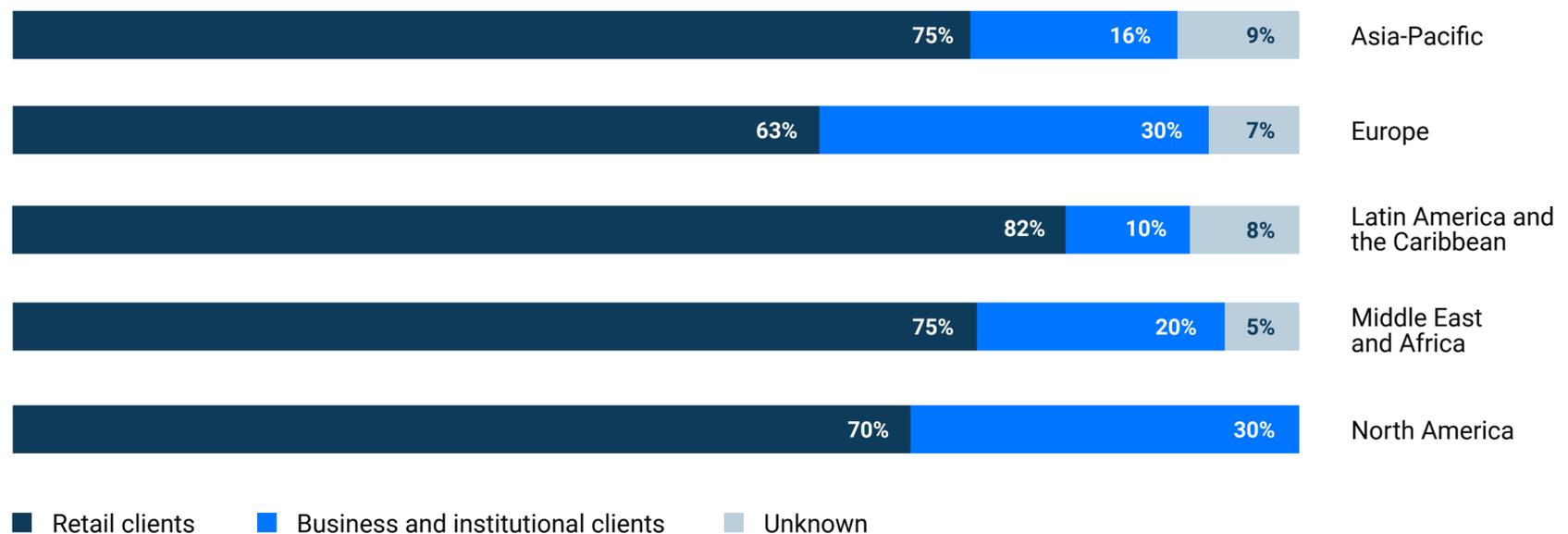


Unlike the traditional financial markets traders, the crypto traders are mostly self-educated. They learn to trade on their own and then try to automate their activity as much as possible. These are faced with the burden of making emotional decisions, the lack of reliable trading information, excessive amounts of data (mostly irrelevant) to process, price manipulation, and scams.

According to Cambridge University's third Global Cryptocurrency Benchmarking Study, "despite the considerable development of institutional-grade financial instruments and infrastructure, our data suggests that crypto asset service providers' customer base is still primarily retail-driven." Thus, the need for advanced tools for individual traders grows YoY.

### Customer Base Breakdown by Type

Share of total users

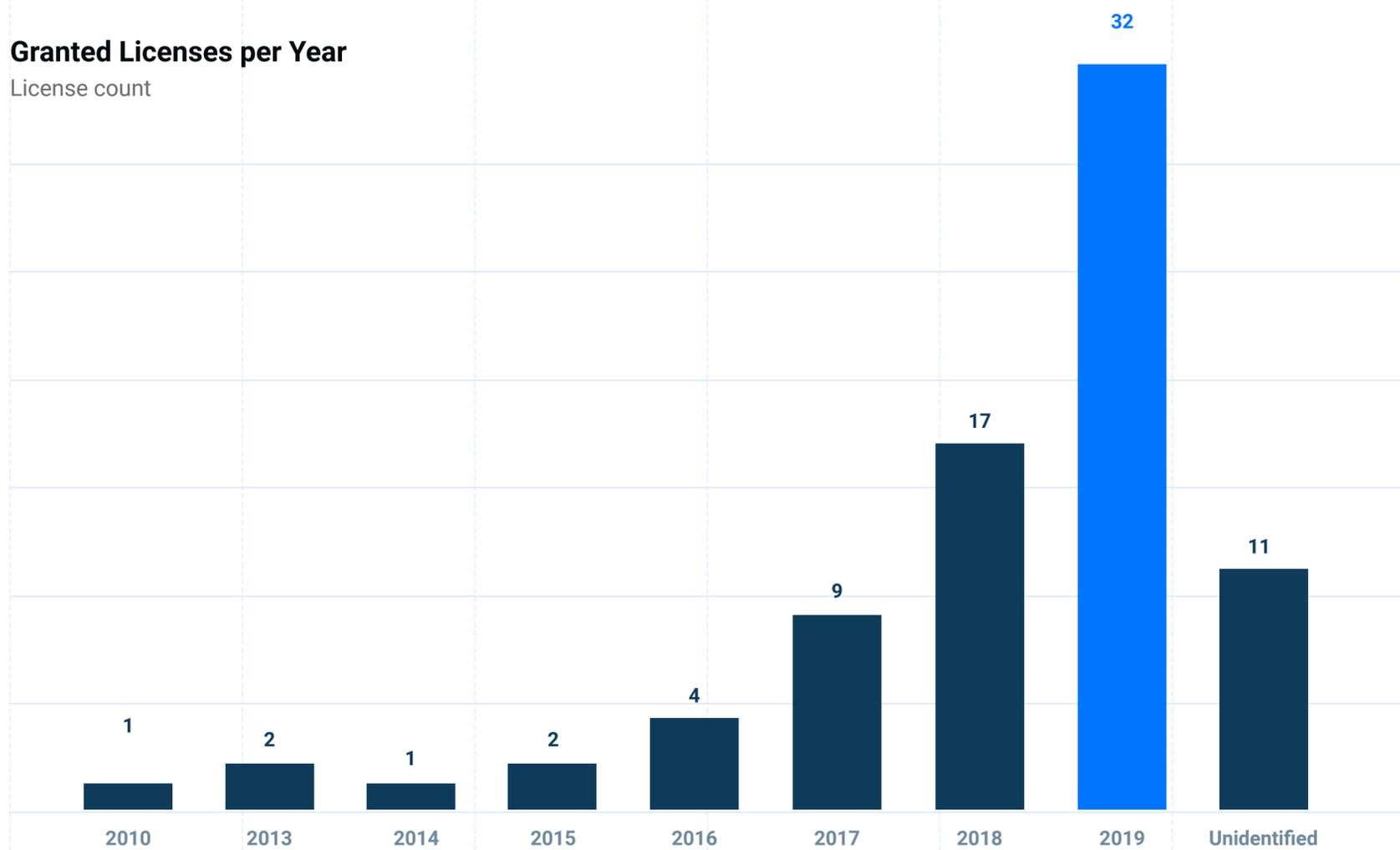


Simultaneously, the trading environment becomes more attractive to investors and startups, leading to a growing number of exchanges popping on the market. According to Cambridge University, the number of identity-verified crypto-asset users was at 35 million in 2018 and grew by 189% until 2020 Q3, totaling 101 million users across 191 million accounts at service providers.

The accounts number increased YoY by 37%, which means that individuals are opening multiple accounts on different platforms. Hence the need to see the big picture of their investments from a single dashboard.

### Granted Licenses per Year

License count



## Platform Features

The main features Bot Ocean's users are benefitting from are:

- ✓ Autonomous Trading Bot
- ✓ Backtester
- ✓ Strategy Designer
- ✓ Strategy Marketplace
- ✓ Live Trading Bot
- ✓ Decentralized account management and payout system
- ✓ Exchange account aggregation
- ✓ Portfolio Tracker
- ✓ Analytics Dashboard
- ✓ Social Copy Trading
- ✓ Mobile App

### Autonomous trading bot

Trading has increased in popularity amongst early crypto adopters as well as challengers coming from traditional finance. The main difference between FIAT trading and crypto trading is that there is no market open and close daily/weekly. Due to this unique characteristic, crypto trading is increasingly becoming more dependent on automation, being virtually impossible for any human to dedicate the necessary time towards truly efficient trading. This creates a problem, and the only solution to it is automation.

Even traditional environments such as Stock trading have been turning towards automation for years to develop better and more efficient flows. But while this can still be considered optional in traditional trading, it is a requirement in crypto trading.

Bot Ocean allows traders to outpace any human trading strategy and test it against massive historical data, giving users an accessible and robust solution to create and implement their automation process. It opens extensive possibilities in terms of portfolio creation while allowing the user to balance both their exposure as well as and risk.

### Strategy Designer

Backtesting is the general method for seeing how well a strategy or model would have done based on past trade execution data. The goal is to assess a trading strategy's viability by discovering how it would play out using historical data. If backtesting works, traders and analysts may have the confidence to employ it moving forward. Backtesting is essential when developing new strategies, twerking solutions, and creating projections of investment returns.

The process, however, relies heavily on the provided data and its quality. Potential tainted and corrupt data can tamper with the results.

Bot Ocean supports traders by offering the possibility to backtest strategies against sets of data correlated with the largest exchanges on the market. This is a unique proposal, as Bot Ocean can provide high quality, clean data for back-testing use, leading to excellent quality in the analysis.

## Strategy Marketplace

On most platforms, users can copy a portfolio of assets or follow a trader. Having funds blocked and accessing markets by proxy is not pleasant nor useful. On Bot Ocean, users can take advantage of strategies and strategy portfolios to manage their assets without uncertainty on whether their money is safe or accessible. All the strategies that get published on Bot Ocean are back-tested and verified by the Bot Ocean tools and then receive a grade depending on the strategy's quality and results.

## Live Trading Bot

For users who do not want to follow independent strategies or create their own, Orka Labs has prepared a Live Trading Bot that facilitates live trading. The process through which the user goes is:



Select desired output (percentage of profit)



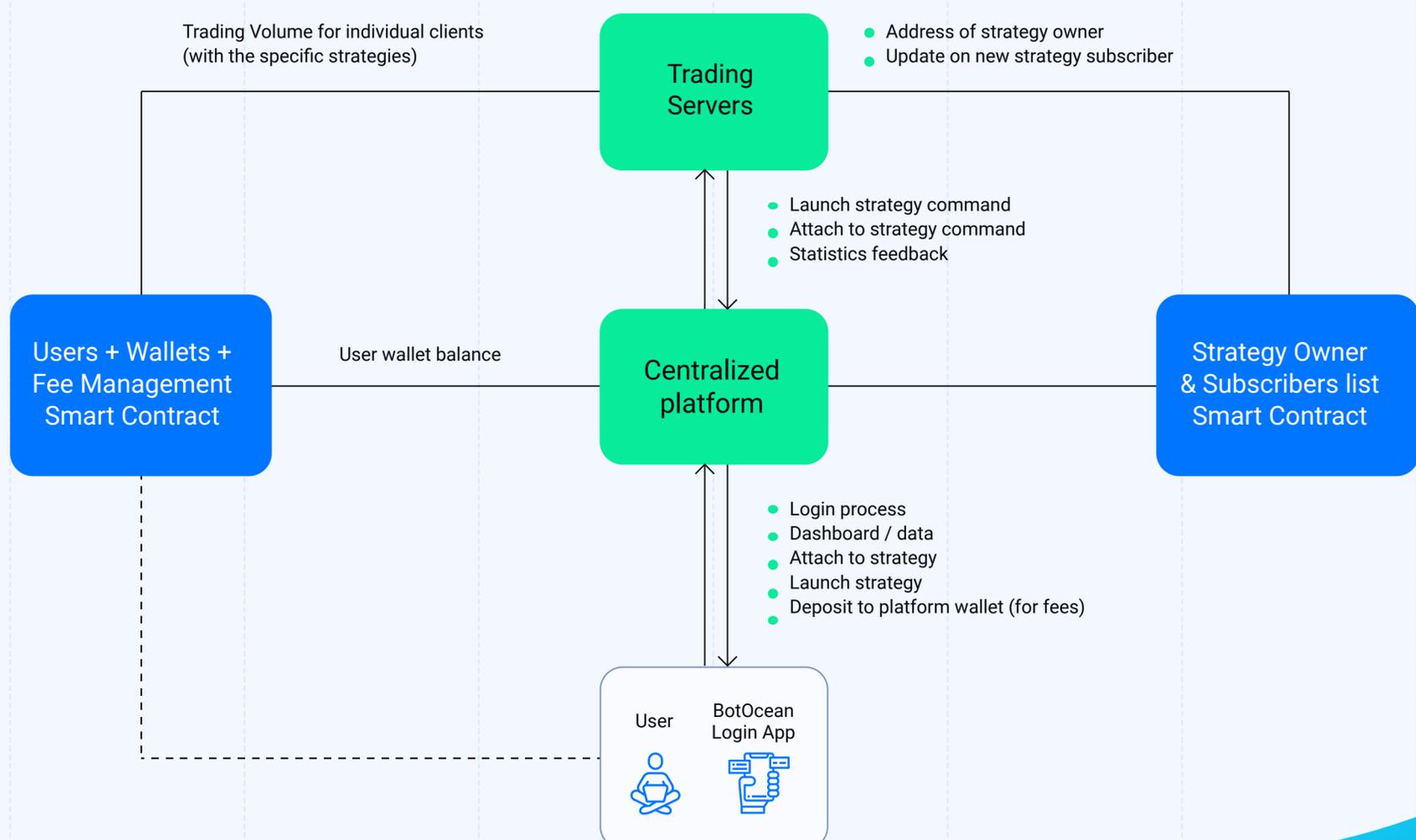
Input preferred risk profile (this includes drawdown and type of traded assets)



A Bot is ready to be integrated with the user's wallet on an exchange.

## Decentralized account management and payout system

We keep our crypto-oriented vision as close to us as possible. Therefore, the account access of each user will not be managed through a centralized system. All crypto-keys (private and public) are always kept by the user and stored on their computer. Neither Bot Ocean nor anyone else has access to these. The user is free to deal directly with their cryptocurrency exchanges without the knowledge or interference of Bot Ocean.



Each user will be able to access their account through their favorite wallet integration, such as Metamask. The user's Ethereum address is the single way to access an account. We do not store any private keys or other information about the user. In addition to having a decentralized account management system, we will be managing all payouts made to the trading strategy creators through a smart contract system, thus ensuring transparency through the platform end to end.

### **Exchange account aggregation**

Users keen on manual trading will have the opportunity to connect all their accounts to view their open trades and take action through Bot Ocean. In this way, manual traders will have their control center where they make the most out of their portfolio.

### **Portfolio tracker**

Hodl-ers can now track their portfolio using our app by merely inputting their addresses, and we will take care of the rest. In the past, Blockfolio was the only choice for this, enabling the tracking of addresses. We cover both address tracking and trading tools, so all types of crypto users can track their finances end-to-end. This tool will provide the user with:



Portfolio evolution for a certain period in BTC and USD



Current portfolio distribution



Available funds in wallets

### **Analytics Dashboard**

Having intense trading activity and keeping funds in crypto requires an analytics overview of an individual's finances at least as efficient and straightforward to understand as the most advanced FinTech platforms out there. We provide ready-made dashboards for users to keep track of their trades, transactions, and balances through our data visualization tools.

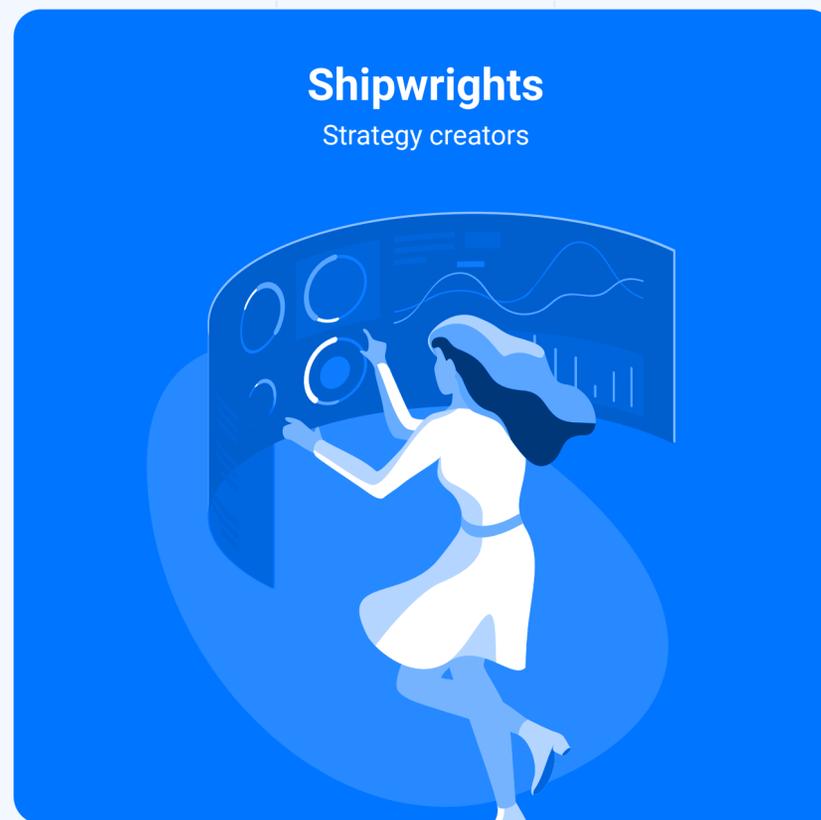
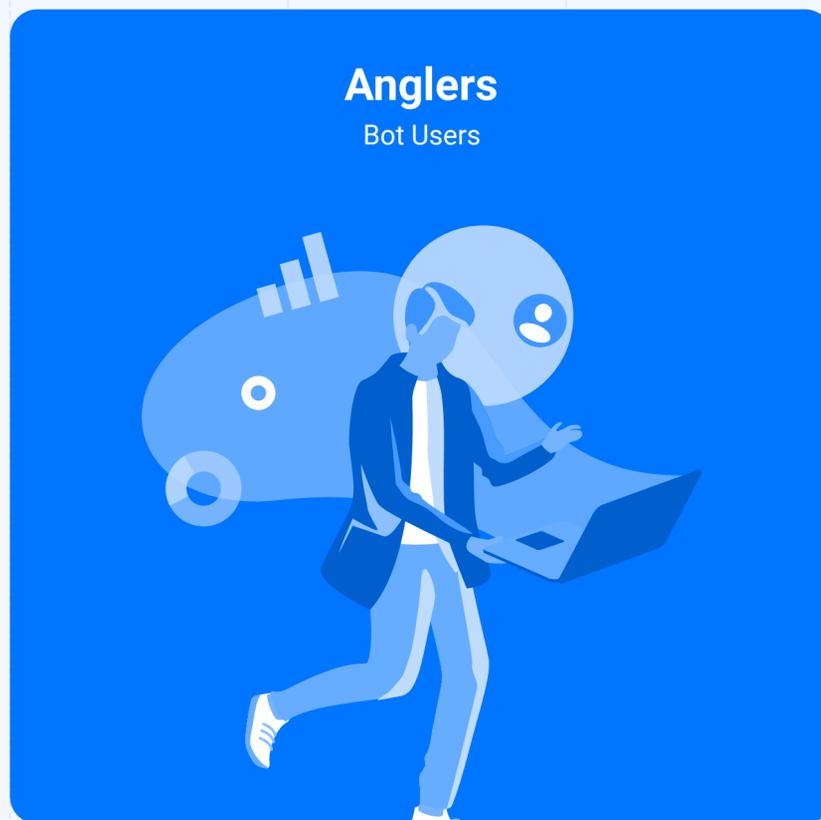
### **Social Trading**

Copy-trading lets you copy whatever the trader is doing. It is an automated trading tool that emulates the professional traders' strategies and trades and replicates them as your own. Plus, unlike traditional brokers who take a fixed charge from the invested capital, pro traders on the social copy trading environment will only take a share of your winnings, meaning that they will only make money when you make a profit. Users will also always keep full control of their cryptographic assets on third-party exchanges.

## Business Model

Bot Ocean's Business Model democratizes trading tools, starting with the tools required to build your strategies. To lower the entry barrier to trading, we follow a freemium model.

The platform's users are:



### Account Levels for Shipwrights

Shipwrights represent users who create new trading strategies and publish them on the platform. They are split into multiple levels based on their AUM. Unlike other popular trading platforms, Bot Ocean does not require strategy creators to have any personal funds in the platform.

The levels are:

#### Walrus:

- You must not have had a monthly loss of more than 20% in the previous six months (unless the market experienced such a drop). For new strategies, backtesting results will be considered.
- You are not copying other Shipwrights.
- You have at least one angler with a minimum AUM of 0.1 BTC.

#### Manatee

- You have been at the Walrus level for at least 30 days.
- You have at least ten average daily verified copiers with a combined AUM of at least 5 BTC.

## Narwhal

- You have been at the Manatee level for at least 60 days.
- Your account has average equity of at least 2.5 BTC.
- You have an AUM of at least 25 BTC.

## Thousand Tonne Beluga Whale

- You have been at the Narwhal level for at least 60 days.
- You have an AUM of at least 100 BTC.

The stages for the Shipwrights are updated each Sunday night at 22.00 UTC and refreshed instantly. The follower count starts when the 1st trade using the bot is placed from a new account. There are no withdrawal fees for Shipwrights funds as their rewards are transferred to their Ethereum address monthly.

## Account Levels for Anglers

Anglers represent users who create accounts on Bot Ocean to connect strategies to their exchange accounts. They do not develop new strategies but follow already existing ones. To use the bots on their exchange accounts, Anglers will have to connect their exchange API key to their Bot Ocean account and pay their tier fee. Then the trading will start automatically. All platform fees are computed in ETH using the CMC price for the base token of the order and must be paid every 30 days to the Bot Ocean wallet; otherwise, the trading services will be suspended.

Anglers are split into multiple levels, based on their last 30 days volume using Bot Ocean Strategies.

### The levels are:

Benefits	Recruit	Junior Angler	Journeyman	Expert Angler	Whale Hunter
30-Day Volume	0-5 BTC	5-10 BTC	10-25 BTC	25-50 BTC	>50 BTC
Can trade using leverage	No	No	Yes	Yes	Yes
Dedicated Account Manager	No	Yes	Yes	Yes	Yes
Market Reviews	No	No	Weekly	Weekly	Weekly
Access to strategy portfolios	No	No	Yes	Yes	Yes
Webinars	No	No	Yes	Yes	Yes
Personalized market reports	No	No	Monthly	Weekly	Weekly
Early access to platform features	No	No	No	Yes	Yes

# BOT Token

## Token Functionality

The BOT token is a utility token focused on the value brought to the platform's users. Therefore, the main advantage that the token brings to the users is a lifetime discount to platform fees.

*The token holders paying with BOT tokens will have a 50% discount on these fees. Tokens collected from paying fees in the Bot Ocean wallet will be burned instantly. Tokens received by the strategy creator will be transferred to their wallets.*

## Ocean DAO

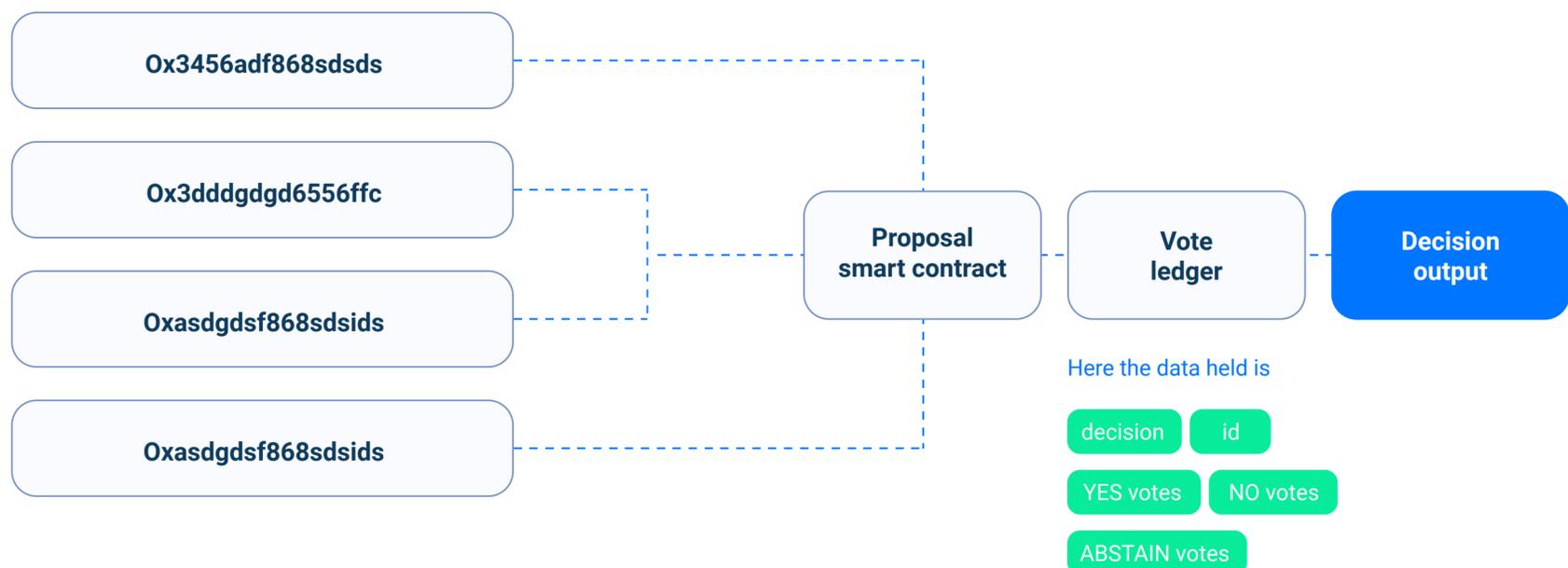
The DAO will provide a democratic way to decide on business strategy, strategy index components, and future platform developments. Token holders represent business partners and the board that manages the marketplace and can access the company's team through a private group.

The token holders will be able to vote on what strategies will make up strategy indexes, and they will receive early access to these strategies before other users. They also receive early beta access to all platform features.

All new features and platform changes are initiated by the Bot Ocean Board quarterly, composed of Bot Ocean team members (CEO, CTO, COO, Advisors) and a selected number of DAO members.

The Board proposes platform changes and other high importance business decisions, and then the DAO members cast their votes.

All voting takes place on-chain to be completely decentralized. Each DAO member has five days to cast their vote (Yes, No, Abstain) on the Proposal Smart Contract. After the period ends, the options are counted, and the decision is communicated and implemented.

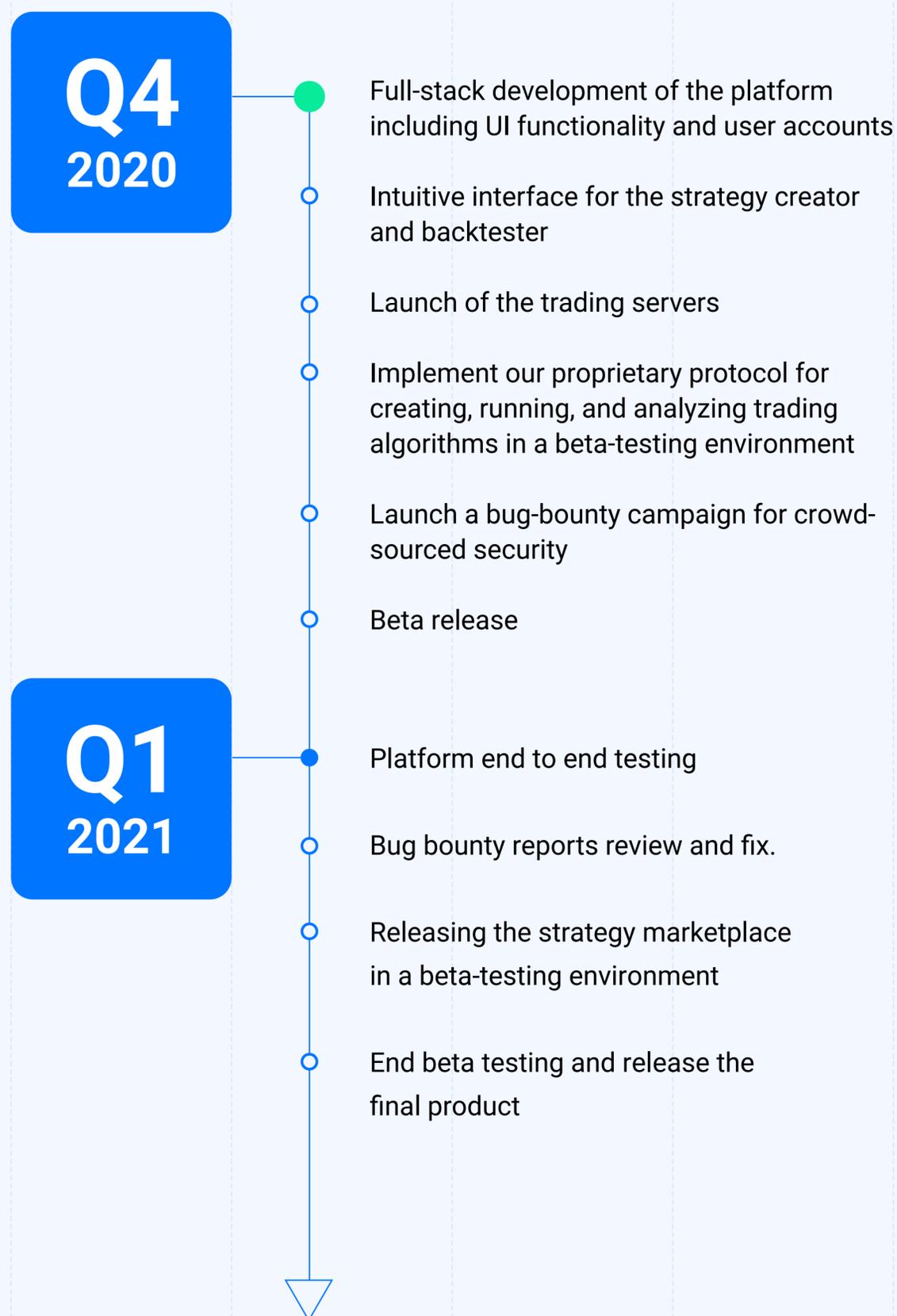


## Roadmap

The average daily crypto trading volume is over \$150B, with over 6000 markets to choose from. Strategy creators can take advantage of the whole market offering and connect the bots to Huobi, Bitmex, and Binance.

We will integrate more exchanges gradually based on daily volumes.

Based on our calculation, on a daily volume of \$1.1M, we can produce a \$1M revenue per year. We expect to achieve this in the first 12 months of operations.



## Q2 2021

- Start expansion into international markets.
- Preparing necessary licenses for global expansion
- Set up a system for user proposals
- New features integrating the token

## Q3 2021

- Launch new international markets
- Orka labs release their social trading portfolio.
- Allow for DAO to vote on strategies to be accepted in strategy indexes
- Start migration to a fully decentralized platform for non-custodial trading features and wallets

