## Abstract

MHoppa is an automated fulfilment platform that has achieved main-net deployment on the BNB Smart Chain . Main-net tests of MHoppa browser client demonstrate all user transactions complete in seconds with a order initiation gas fee of less than $1 ($0.61) ,proving the extension of applicable use cases into those such as fast food delivery.
Full automation and decentralization of system logic was tested as well as client compatibility with various DApp wallets such as Metamask and Trust within desktop and mobile browsers.
MHoppa also successfully implemented settlement through third party stablecoins BUSD ,USDC and USDT on BNB Smart Chain that use the BEP-20 standard.
MHoppa completed shipments while not requiring wallets, signups or funds from the couriers or recipient.
Shipping with multiple couriers within batch orders was also performed by the browser client.

## Introduction

MHoppa is  a light automated fulfilment platform created with the goal of replacing or reinforcing fulfilment systems in a robust, quick and efficient way that is simple and ergonomic. Additionally MHoppa aims to professionally manage authentication and settlement within each fulfilment. MHoppa is built on a adaptable and intelligent framework that implements several layers of self-management and optimization. MHoppa champions light and accessible technology, via low profile contracts and browser client compatible with normal and DApp browsers on desktop and mobile devices. This makes MHoppa a robust platform which is easy to manage and scale to meet the growing market needs.

The simple client product can complete shipment of items and securely complete settlement in cryptocurrency, even though the courier(s) and recipient do not have the software.
MHoppa works completely through automatic smart contracts completing all necessary functions including ordering , dispatching, confirming supply and settlement, this allows you to supply despite increased traffic from other suppliers and other factors affecting traditional methods.
MHoppa is usable in many scenarios, including: Retail, Food ,Removals, eCommerce and Supply Chain.
Users can now fulfil using stablecoin BUSD,USDC and USDT (BSC-USD) on the BNB Smart Chain. Other tokens that can be used now are BNB and MHoppa Token (MHOP).
MHoppa client is in a trial version and a token sale of MHOP token is live on the BNB Smart Chain.
Following this the project will create liquidity pools for decentralized trading of the token and subsequently list MHOP on public exchanges to enable many more users to earn great profits by investing with MHOP.

## Use Cases

MHoppa is a generational step forward in automated fulfilment, by providing instant settlement of usable funds to couriers in stablecoin in a manner that is deployable in B2C scenarios. MHoppa is tested and proven as usable for normal supply activity across every class of actor in the field.

Here are three further examples that demonstrate how MHoppa can solve more contemporary problems in fulfilment.

Finding good services for special items outside the common physical categories poses enough challenge that individuals and organizations may not use the route ,resulting in non-valuable use of their assets or unrealised liquidity. Potential couriers need to be utilised in these situation ,MHoppa fills the role as an instantly usable , robust, secure and fast arbitrator over these ephemeral events.

Providing reliable supply services in remote regions remains a challenge and thus a disadvantage to communities and organizations in these areas. This gap leads to a corresponding trust deficit in supply compared to other regions which are well served. What is needed is a robust system that gives the users the same level of trust in their supply ability as well served regions.
Using cryptocurrency tokens MHoppa achieves both international availability as well as the ability of suppliers to recruit from an international base , for whom the cryptocurrency token are at least equally valuable.

Supply streams can become compressed or split because of temporary inability to supply. In these events suppliers have to stop shipments or separate them from their batch , instead a better solution would be to switch platform to complete the shipment. By providing a platform that is beneficial to all parties, MHoppa changes the response from waiting for services to resume to finding any parties willing to complete the shipment.

## Benefits

MHoppa is designed to provide better satisfaction to courier actors, the main mechanism for this is the instant payments via the blockchain upon confirmed reception. Once the designated courier hands over the item they will be given cryptocurrency (including stablecoin) , they will be able to instantly spend this payment , so unnecessary wait times are reduced. Immediate payment upon reception will motivate and counteract negative activity of the courier.
 Also the supplier will not have to complete administrative counting of shipping payouts or rely on another service to do so and the associated wait times of that service.

MHoppa is designed as a "closed" system in that it has user activated functions to deal with every possible eventuality within the shipment.
While the client is simple and detailed with many instructions , a recipient may be unable to complete the confirmation step, here a supplier override can set the attributes of the shipment to show reception and also immediately complete settlement to the courier.
Furthermore both suppliers and couriers may stop the shipment if it is unfeasible for them, this can happen before and after dispatch respectively.

On the BNB Smart Chain mainnet all smart contract interactions completed within seconds proving the speed of the optimized on chain logic. The maximum gas fees for the supplier for a single courier remained low at $0.61 , this demonstrates clearly that MHoppa is also usable for food and groceries deliveries that are provided by large businesses today.

## Replacement

As the main-net tests of MHoppa show ,MHoppa is ready to replace existent platforms as a shipping alternative because of its speed and low cost. Contrary to assumption , only the sender is required to connect a wallet to the app as tracking and confirmation is completed using links. This is of course to match features of services that are already being used, meaning that suppliers will not have to make any further changes to their ordering and communication systems.
Coupled with the override feature ,tracking and settlement is completed with or without involvement by the other parties in the shipment.
The extensive range of uses include postage ,shipping ,fallback option ,fast food ,remote regions ,removals etc. .
MHoppa browser client is simple to switch to as it is non-congested and detailed with instructions.

https://mhoppa.com

## MHOP Token

MHOP token exists as the lowest fee option for settlements on MHoppa with fees currently at 1%. MHOP token will also be the cheapest method to pay for extra services in MHoppa such as Premium accounts.
This will provide motivation to buy the token for countless users around the world.

MHOP token has an initial release of 70,000,000 units with pricing 1 BNB = 8750 MHOP , making each MHOP worth about 0.06 USD at the time of writing.

The low pricing achieves two aims .Firstly it allows for an increase in MHOP price in future token sales to safeguard early investors from dilution and subsequent losses .Secondly MHOP will use higher orders of magnitude to represent the typical price range of its domain of services ,this is because the aim is for users to have a more tangible experience of the currency.

 Users can immediately acquire MHOP token via the smart contract token sale for BNB @ https://mhoppa.com/#/tokensale .

## Future

Clearly the expansion to providing cloud accounts is the next objective outside of DeFi plans for MHoppa. Synchronization and serving of information via cloud accounts will improve and simplify the user experience.

As stated before future token sales can occur at a higher price to safeguard early investors, at present a token sales are planned at the liquidity pool creation and again at listing on public exchanges.

## Conclusion

MHoppa is proven as a light and automated solution ready to take on the challenges present in fulfilment. The key attributes that make the platform highly usable include speed ,gas cost and support for stablecoins. The demonstrated benefit to users in various use cases will increase as the capabilities of MHoppa technology increase.
MHOP token is a valuable crypto token that will enable users to expand their access to MHoppa technology as well as earn profit for users and traders alike.