

Testing **collateralized debt position portal** based on the

# Ethereum

for MakerDAO

# CASE STUDY



MAKER

## Goals



- Connect MakerDAO portal to different blockchain wallets
- Test the tokenomics, UI/UX, and hardware compatibility of the CDP portal

## Approach



- Every clickable item was tested first.
- Eliminating a bug in Maker which interrupted Ethereum transactions between hardware blockchain wallets
- Every device had its own quirks in transactions, so we had to test the platform with a variety of wallets.
- Trying out every aspect of the platform looking for bugs to fix. They had to methodically sift through every feature and behave just as a regular user would.



## Results



- A thoroughly tested funds/debts portal ready to be released to the public.
- Blockchain testing ensured the platform worked properly before launch.
- Dai's stability helps users hedge their Ethereum assets and protect their investments from wild swings in the market.

## What was **the industry context?**

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**Cryptocurrency is having a bit of an identity crisis lately. Some extoll utopian notions of freeing consumers from banks, while others see a way to make money. It was this unregulated asset speculation that spurred investors to flock to cryptocurrency last years.**

Dai stablecoins and the MakerDao infrastructure goes a long way to stabilize the cryptocurrency ecosystem. For more people to adopt crypto and start using it as a medium of exchange, easing price volatility and uncertainty have to happen. Dai's stability helps users hedge their Ethereum assets and protect their investments from wild swings in the market.

Dai is a stable, decentralized currency that does not discriminate. Any individual or business can realize the advantages of digital money. A price-stable currency that you control. Generate Dai on your terms, instantly. Over 400 apps and services have integrated Dai, including wallets, DeFi platforms, games and more.

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## Why did MakerDAO choose **blockchain?**

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As the cryptocurrency bear market continues, investors are looking for much-needed predictability. Stablecoins have risen in popularity as the market tumbles. Several have emerged, but few are as transparent as MakerDao.

Unlike other stablecoins, Maker issues their Dai tokens using smart contracts in exchange for Ethereum.

Maker needed Espeo Blockchain testers to check and make sure if everything works properly before they launched. Since the technology is so new, blockchain testing is vitally important for any project if you want to keep the trust of this fickle market.

**This is where Espeo  
Blockchain steps in.**

# What was the **role of Espeo Blockchain?**

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**Maker's portal had to connect to different blockchain wallets and make sense in UX terms and that's part of what we tested for. From our side, the goal was to test the tokenomics, UI/UX, and hardware compatibility of the CDP portal.**

Maker needed immediate assistance with testing their collateralized debt position portal, where users add collateral funds and take out loans in DAI. The product had to work before people started putting their money in.

The fact that we were dealing with a blockchain app was special. Accurate results were needed in testing its cooperation with the blockchain.

Every clickable item was tested first. Then we went through user stories and attempted to find edge cases.

An example of the uniqueness of blockchain applications was encountering a bug in Maker which interrupted Ethereum transactions between hardware blockchain wallets.

Every device behaved a bit differently in transactions and that they tested the Maker platform with a range of hot and cold blockchain wallets.

Testers got to work trying out every aspect of the platform looking for bugs to fix and had to methodically sift through every feature and behave just as a regular user would.



# About **MakerDao**

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**MakerDAO is an open-source project on the Ethereum blockchain and a Decentralized Autonomous Organization created in 2014. The project is managed by people around the world who hold its governance token, MKR.**

Through a system of scientific governance involving Executive Voting and Governance Polling, MKR holders manage the Maker Protocol and the financial risks of Dai to ensure its stability, transparency, and efficiency.

MKR voting weight is proportional to the amount of MKR a voter stakes in the voting contract, DSChief. In other words, the more MKR tokens locked in the contract, the greater the voter's decision-making power.

# About **Espeo Blockchain**

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Espeo Blockchain is a certified **Hyperledger Fabric** provider building enterprise-level solutions and an **active member of the Hyperledger community**. With over a decade of experience, our expert team turns concepts and ideas into leading products.

Innovative ideas need an experienced consultancy. We are fully aware of blockchain benefits and limitations and are here to fully recognize what business value this technology can bring to your business. As expert blockchain consultants, we will walk you through the **full lifecycle of project planning** and development.

Our team has worked on the public and private blockchain projects. Now let's hear about what you're building.



# Thank you!

Poznań / Helsinki

