



## Protect your domain with NFT!

Purchase an NFT certificate for your domain name. Leave your digital mark in history using blockchain technology.



# Advantages:



Quick domain transfer between registrars



Confirms the right to the domain name without re-approaching the Registrar



Protection of the domain name from fraud



Confirms the right to the domain name when transferring the domain to a new owner

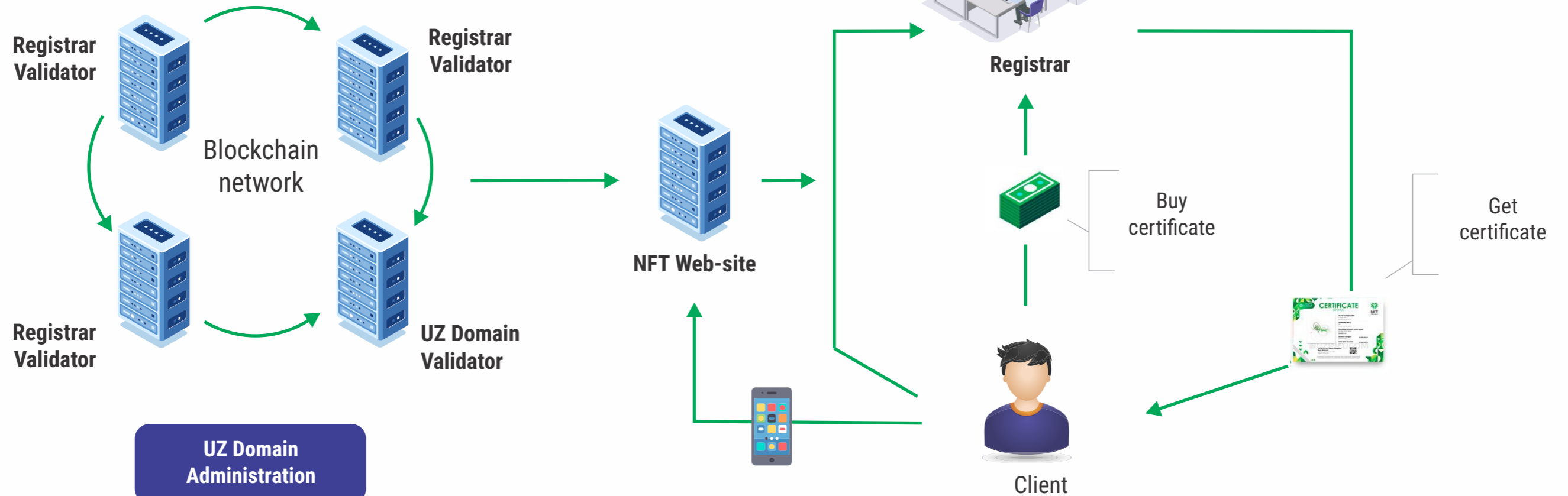


When registering a domain name before registering a trademark, the NFT certificate confirms the priority of the domain name and information about this is stored in the blockchain



Confirms the right to the domain name when considering disputes about the priority of registrars.

# Network Scheme



# The usage of Blockchain technology in obtaining an NFT certificate



Data is not deleted,  
new ones are written



Protection from  
modification



Transparency  
of the smart contract

Information	Data in Blockchain
Token ID	Value
Domain Name	Value
NFT Link	Value
TOKEN	Value
Domain Owner's Email	HASH
Certificate Issue Date	Value
Certificate Expiration Date (of the domain)	Value

# NFT-certificate



The certificate features a green and white color scheme with geometric patterns. It includes the ccTLD.UZ logo in the top left, the word 'CERTIFICATE' in large green letters, and 'SERTIFIKAT' below it. A central white box contains a colorful fractal graphic. To the right, there is a section for holder information and issuance details. The bottom left identifies the issuer as 'UZINFOCOM Yagona Integrator' with a QR code. The bottom center contains a note about the use of NFT blockchain technology.

[www.cctld.uz](http://www.cctld.uz)  
ccTLD.UZ  
UZ DOMENI MA'MURIYATI

## CERTIFICATE

SERTIFIKAT

**shuni tasdiqlaydiki**  
confirms that  
Eshonov Bahodir

**JSHSHIR(PINFL)**  
PIN:  
123456789101112131

**Quyidagi domen nomi egasi:**  
Domain name owner:  
EXAMPLE.UZ

**Sertifikat berilgan:** 25.05.2022 r.  
Certificate issued:

**Amal qilish muddati:** 25.05.2022 r.  
Valid until

**“UZINFOCOM Yagona Integrator”**  
**Bosh direktori**  
Chief Executive Officer of LLC "Single Integrator UZINFOCOM"

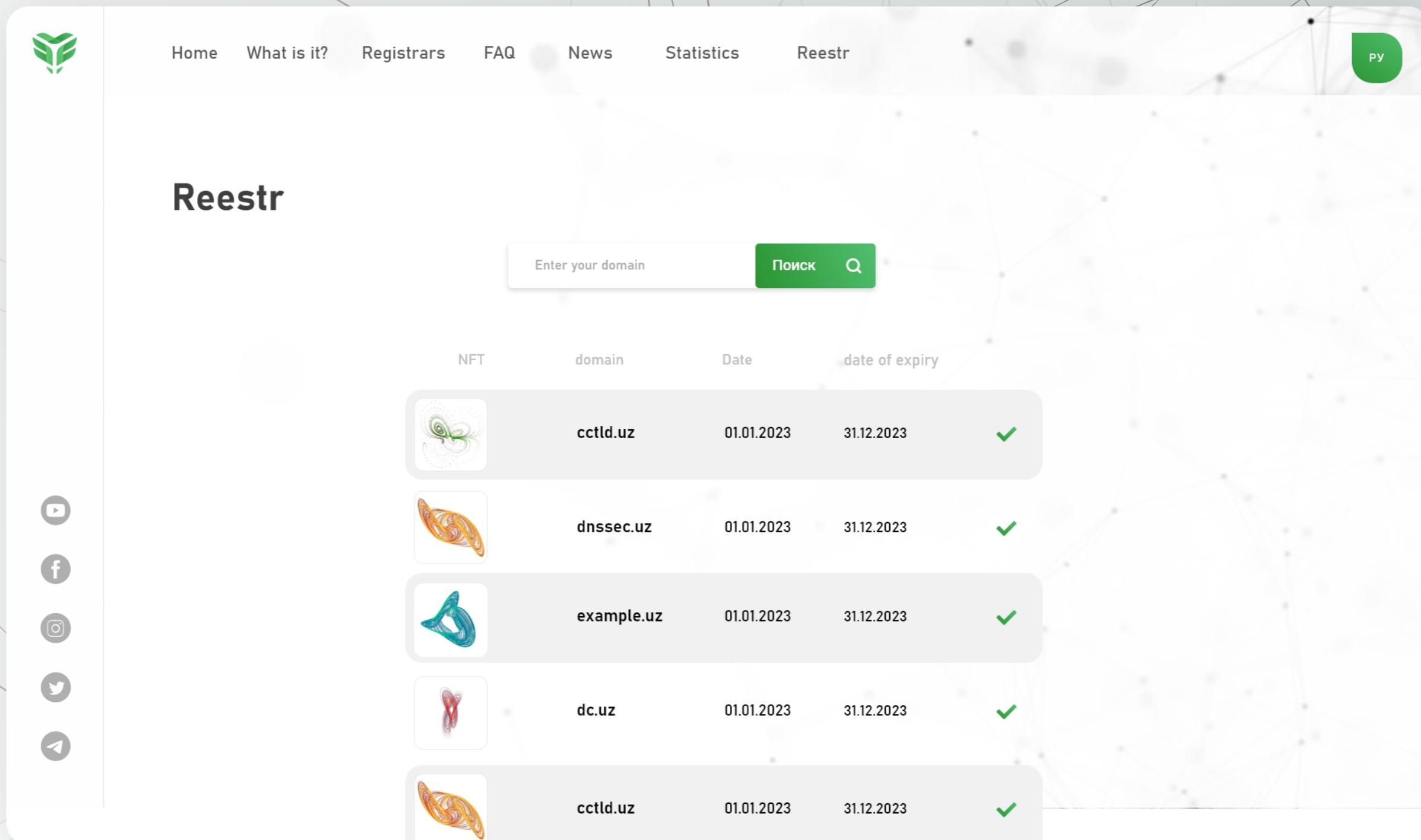


Sertifikatni yaratishda NFT blokcheyn texnologiyasidan foydalaniladi  
When generating the certificate, NFT blockchain technology is used






**NFT certificate**  
nft.cctld.uz



# NFT-certificate Registry



The screenshot displays the 'Reestr' section of the NFT-certificate Registry website. At the top, there is a navigation menu with links for Home, What is it?, Registrars, FAQ, News, Statistics, and Reestr. A green circular button with 'RU' is located in the top right corner. Below the navigation, the word 'Reestr' is prominently displayed. A search bar with the placeholder text 'Enter your domain' and a green 'Поиск' button with a magnifying glass icon is positioned below the title. The main content area features a table with the following columns: NFT, domain, Date, date of expiry, and a green checkmark column. The table lists five entries, each with a unique NFT image, a domain name, and a date range from 01.01.2023 to 31.12.2023.

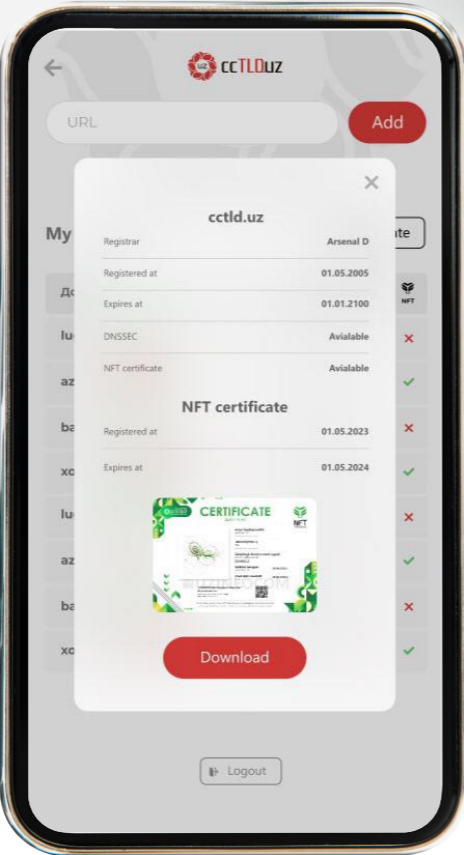
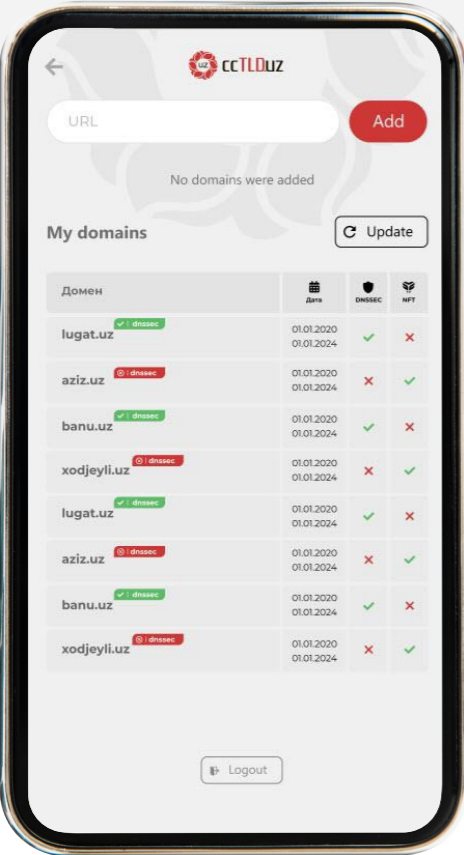
NFT	domain	Date	date of expiry	
	cctld.uz	01.01.2023	31.12.2023	✓
	dnssec.uz	01.01.2023	31.12.2023	✓
	example.uz	01.01.2023	31.12.2023	✓
	dc.uz	01.01.2023	31.12.2023	✓
	cctld.uz	01.01.2023	31.12.2023	✓

On the left side of the page, there is a vertical sidebar containing social media icons for YouTube, Facebook, Instagram, Twitter, and Telegram.

# ccTLD Mobile Application

## ccTLD Mobile Application

If you are the owner of a domain name in the .UZ zone and have received your NFT certificate, don't forget to download the mobile application ccTLD.uz for convenient viewing and management of your certificates. With the mobile application, you can quickly check your certificates, find out their statuses, and update them with the Registrar if necessary.



# FACE AUTHENTICATION

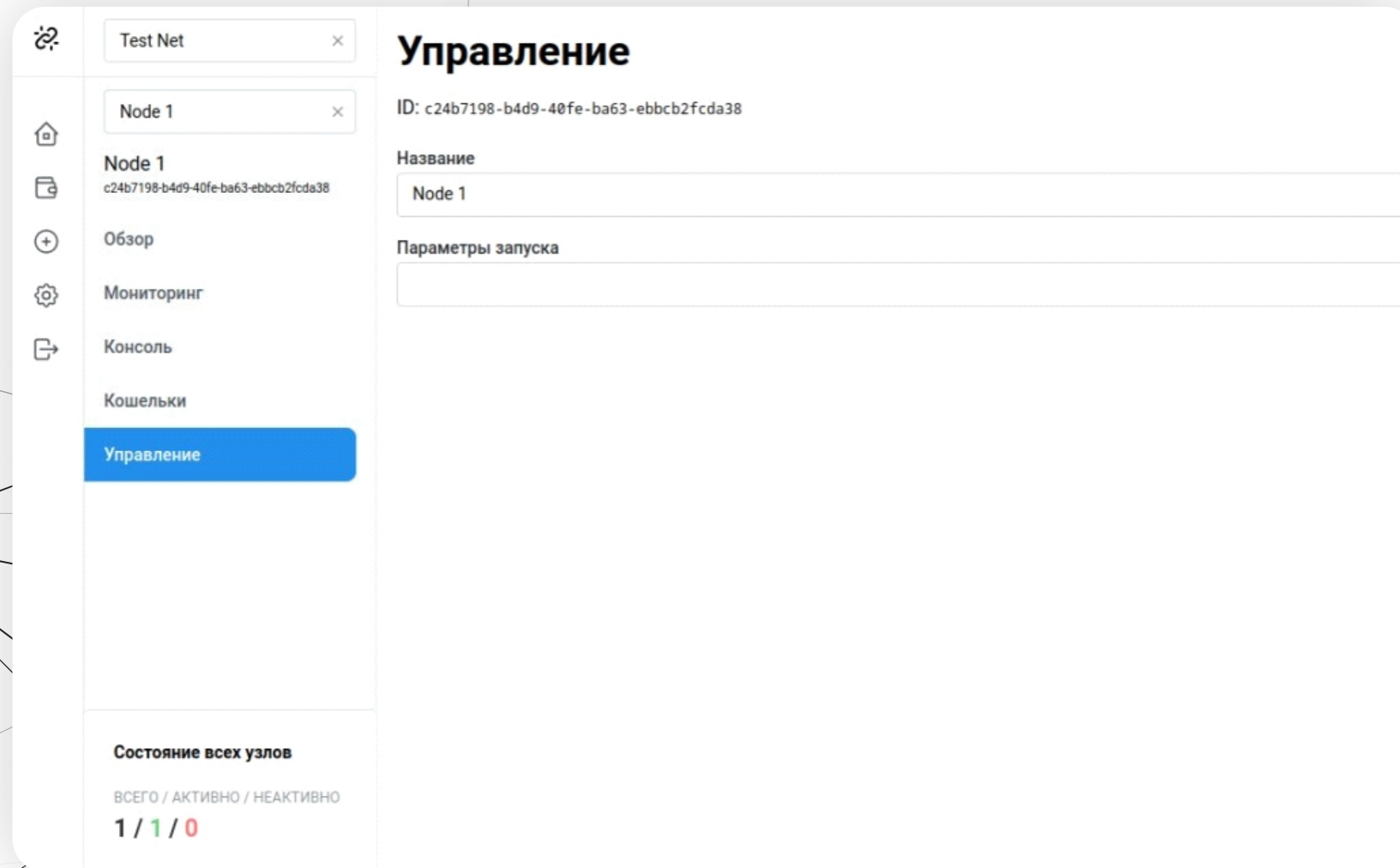


# Instruments

The screenshot displays a mobile wallet interface. At the top left is a fox logo, and at the top right is a 'testnet' dropdown menu. Below this, the account is identified as 'Account 3' with the address '0x53d...762c' and a 'Not connected' status. The main display shows '0 UCN' with a price of '\$0.00 USD'. Below the balance are four action buttons: 'Buy', 'Send', 'Swap', and 'Bridge'. At the bottom, there are three tabs: 'Assets', 'NFTs', and 'Activity'. The 'NFTs' tab is active, showing a collection titled 'NFT ccTLD.uz (3)' with two NFT thumbnails: a blue abstract shape and an orange abstract shape.



# Validators' Interface



## Steps when adding a Validator

Server deployment:

- 1 Installation of accompanying software
- 2 Connecting to the blockchain network
- 3 Validator confirmation by network participants (Consensus)

# System for Registration and storage of wallets

NFT ccTLD

Wallets / List

Кошельки Создать кошелек

<input type="checkbox"/>	Клиент	Адрес	Public key	Создано	Обновлено	
<input type="checkbox"/>	ALLANIYAZ NURAXIMOV	53d6894de993f87aeda1...	a915bbbb8b5b056836d5...	Apr 12, 2023 05:58:42	Apr 12, 2023 05:58:42	<a href="#">View</a>

Showing 1 result 10 per page

- Панель инструментов
- Сертификаты 1
- Клиенты
- Журнал событий
- Регистраторы
- Роли
- Смарт-контракты
- Токены
- Пользователи
- Кошельки**

View certificate

Домен \*

Токен ID \*

Ф.И.О владельца \*

ПИНФЛ владельца \*

Дата выпуска \*

Дата истечения \*

Статус

Регистратор \*

Close

# National symmetric encryption (O'zDSt 1105:2009)



View of the private key of the wallet before encryption


f1c63290551558e2cbbab03e41bca35d76b0b65e7f4e8917edbd [REDACTED]

View of the private key after encryption

O'zDSt 1105:2009

ebeu4b6K6cIKfJ7oHGh8zfUdzbHEDKptdFr9eBSstPGeVAa6gyGdCmv0woogrY+5ozGKVp3h+GELG  
GxHmyO5XpQbnxFRHjn56wgcqSrl/zqtTmJgKt1c+ [REDACTED]

# Billing systems

 NFT ccTLD

Transactions / Список A

- Панель инструментов
- Сертификаты 3
- Клиенты
- Журнал событий
- Счёт-фактуры
- Регистраторы
- Роли
- Смарт-контракты
- Статистика
- Тарифы
- Токены
- Транзакции**
- Пользователи
- Кошельки

## Transactions

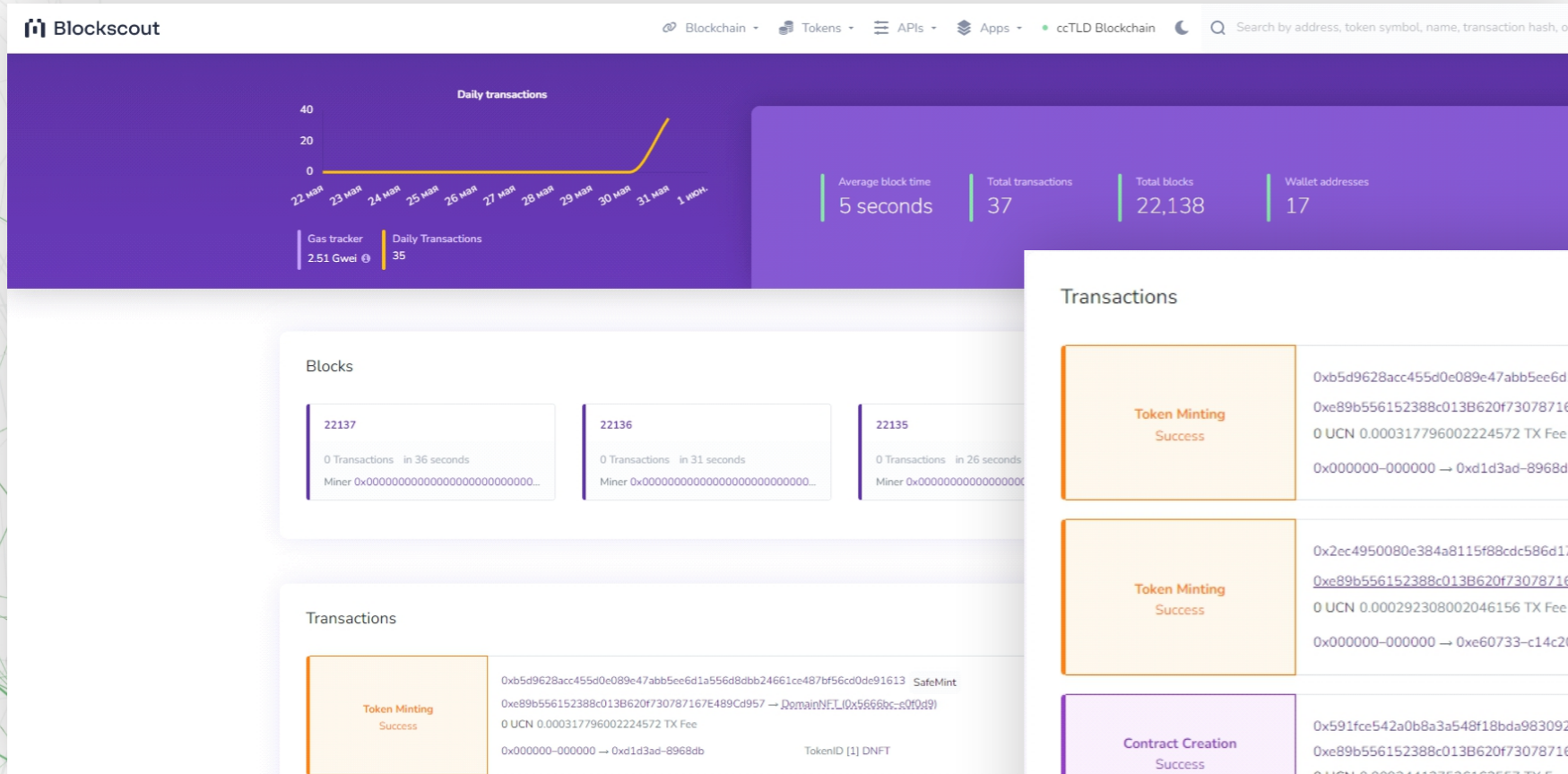
Поиск

ID	Регистратор	Сертификат	Дебет	Кредит	Итоговый баланс	Дата создания	
	<input type="text" value="Поиск"/>	<input type="text" value="Поиск"/>					
7	Di Art Group	lugat.uz	0	25 000	-125 000	май 31, 2023 18:17:46	<a href="#">Смотреть</a>
6	Arsenal D	lugat.uz	0	50 000	-50 000	май 31, 2023 15:05:41	<a href="#">Смотреть</a>
5	Di Art Group	aziz.uz	0	25 000	-100 000	май 30, 2023 14:21:27	<a href="#">Смотреть</a>
4	Suvan Net	onabot.uz	0	25 000	-25 000	май 30, 2023 12:51:13	<a href="#">Смотреть</a>
3	Di Art Group	aziz.uz	0	25 000	-75 000	май 30, 2023 12:40:36	<a href="#">Смотреть</a>
2	Di Art Group	lugat.uz	0	25 000	-50 000	май 30, 2023 12:11:32	<a href="#">Смотреть</a>
1	Di Art Group	lugat.uz	0	25 000	-25 000	май 30, 2023 12:05:33	<a href="#">Смотреть</a>

Показано с 1 по 7 из 7 10 на страницу

*filament*

# Block explorer for the Ethereum blockchain ecosystem with open source code



### Transactions

[View All Transactions](#)

<b>Token Minting</b> Success	0xb5d9628acc455d0e089e47abb5ee6d1a556d8dbb24661ce487bf56cd0de91613 SafeMint 0xe89b556152388c0138620f730787167E489Cd957 → DomainNFT(0x5666bc-e0f0d9) 0 UCN 0.000317796002224572 TX Fee 0x000000-000000 → 0xd1d3ad-8968db TokenID [1] DNFT	Block #9742 17 hours ago
<b>Token Minting</b> Success	0x2ec4950080e384a8115f88cdc586d17f256e6afa02191ebc924ab2522df25c8c SafeMint 0xe89b556152388c0138620f730787167E489Cd957 → DomainNFT(0x5666bc-e0f0d9) 0 UCN 0.000292308002046156 TX Fee 0x000000-000000 → 0xe60733-c14c20 TokenID [0] DNFT	Block #7277 21 hours ago
<b>Contract Creation</b> Success	0x591fce542a0b8a3a548f18bda983092c9641a9ed156b04fb803044c34e2466cd 0xe89b556152388c0138620f730787167E489Cd957 → DomainNFT(0x5666bc-e0f0d9) 0 UCN 0.009344127526163557 TX Fee	Block #7266 21 hours ago
<b>Contract Call</b> Success	0x4a2532fc4a177e6fcd8de70ee50847330d76ecfc104d117ce9006ebe8876dfba SetLocked 0xe89b556152388c0138620f730787167E489Cd957 → DomainNFT(0xa86987-933687) 0 UCN 0.000065797500184233 TX Fee	Block #7229 21 hours ago
<b>Contract Call</b> Error: execution reverted	0x07dadcb4eb558547d4963d5737e71f887f1af54af3b0846bd6ecb6c05752f304 SafeMint 0xe89b556152388c0138620f730787167E489Cd957 → DomainNFT(0xa86987-933687) 0 UCN 0.000024463000171241 TX Fee	Block #7198 21 hours ago

# NFT - certificate in the .UZ domain: DIGITAL.UZ



The certificate is presented on a white background with green and yellow geometric patterns at the corners. It features the CCTLD.UZ logo in the top left, the word 'CERTIFICATE' in large green letters, and the 'NFT' logo in the top right. A central white box contains a green scribble. To the right of this box, the text confirms the ownership of the DIGITAL.UZ domain by the Ministry of Digital Technologies of the Republic of Uzbekistan, with a TIN of 201221770. The certificate was issued on 23.06.2023 and is valid until 01.01.2100. The issuer is 'UZINFOCOM Yagona Integrator', led by its Chief Executive Officer. A QR code is provided for verification. A note at the bottom states that NFT blockchain technology is used in the certificate's generation.

[www.cctld.uz](http://www.cctld.uz)  
UZ CCTLD.UZ  
UZ DOMENI MA'MURIYATI

## CERTIFICATE

SERTIFIKAT



certificate  
**NFT**  
nft.cctld.uz

**shuni tasdiqlaydiki**  
confirms that  
O'ZBEKISTON RESPUBLIKASI RAQAMLI TEXNOLOGIYALAR VAZIRLIGI

**STIR(INN)**  
TIN (Taxpayer Identification Number):  
201221770

**Quyidagi domen nomi egasi:**  
Domain name owner:  
**DIGITAL.UZ**

**Sertifikat berilgan:** 23.06.2023  
Certificate issued:

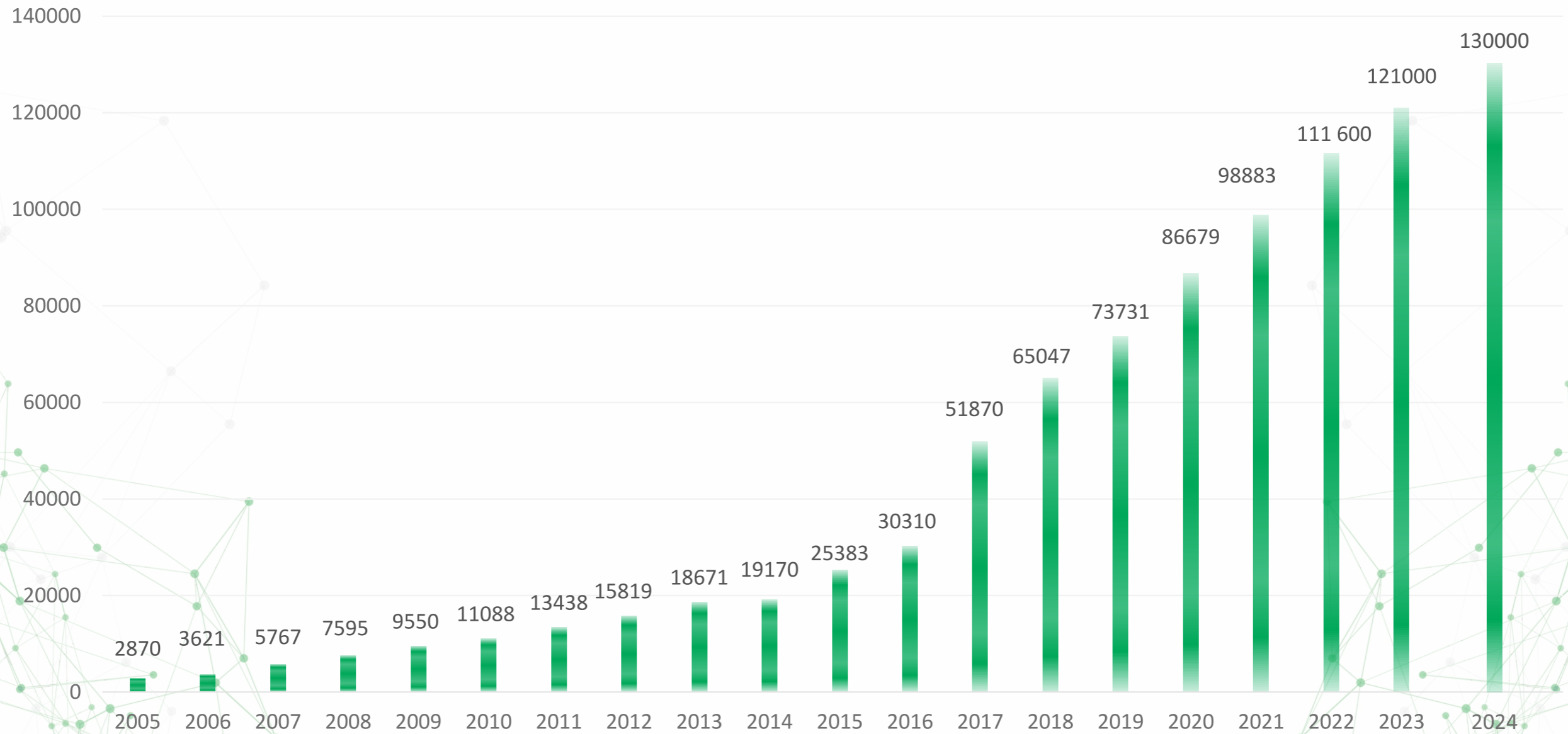
**Amal qilish muddati:** 01.01.2100  
Valid until

**“UZINFOCOM Yagona Integrator”**  
**Bosh direktori**  
Chief Executive Officer of LLC "Single Integrator UZINFOCOM)"

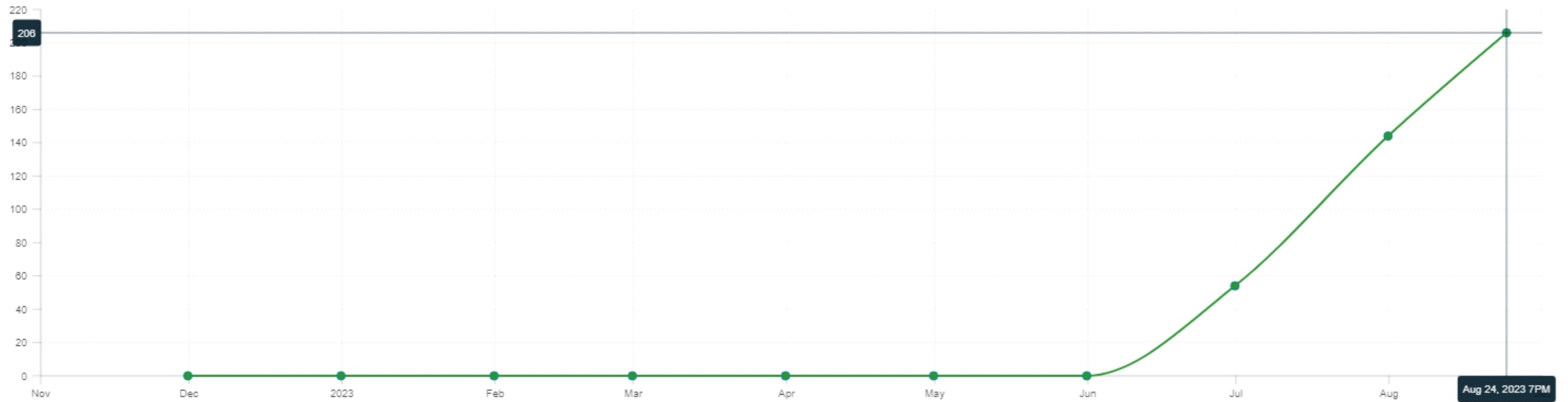


**Sertifikatni yaratishda NFT blokcheyn texnologiyasidan foydalaniladi**  
When generating the certificate, NFT blockchain technology is used

# GROWTH OF DOMAINS BY YEAR



# GROWTH OF THE DOMAINS NUMBER WHITH **NFT** CERTIFICATES IN THE **.UZ** ZONE





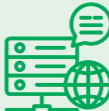
# CONCLUSION



It's recommended to experiment with new ideas in domain name registries. Modern technologies simplify the work for both registrars and end users



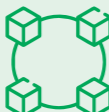
A good opportunity for monetization is the use of NFT in domain name registries



In the domain name sphere, decentralization significantly impacts the integrity and preservation of information



Blockchain provides a transparent and immutable history of domain ownership. Every transfer of ownership rights will be registered on the blockchain, making the transaction history fully transparent



When implementing blockchain technology, it's important to consider issues related to regulation and legal aspects in different jurisdictions



certificate

**NFT**

nft.cctld.uz

**THANK YOU FOR ATTENTION!**

 **UZINFOCOM**