



CERTIFIED
DIAMOND
COIN

DIAMOND NETWORK

White Paper

By Diamond Network Ltd Team



2018

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Abbreviations

Cts. Carat

CDC Certified Diamond Coin

DPT Diamond Platform Token

DN Diamond Network Ltd

Project The whole Diamond Network platform with all of its services

Distributor Any third party providing DPT token sell or buy operations.

SCS Scientific Certification Systems, Inc., now doing business as SCS Global Services (USA based company)



Disclaimer

Please read the entirety of this section carefully!

This paper is a Strategic Whitepaper and its purpose is to present the Project of Diamond Network Ltd for token holders and platform users in connection with the proposed token launch.

The information set forth below may not be exhaustive, the products and innovative technologies described in this document are still under development and are yet to be incorporated.

Further, you acknowledge that circumstances may change and that this Whitepaper may become outdated as a result; and the DN can update it as the changes occur, but is under no obligation to update or correct this document in connection therewith.

This document does not imply any elements of a contractual relationship. Its sole purpose is to provide relevant and reasonable information to potential token holders in order for them to determine whether to undertake a thorough analysis with the intent of acquiring tokens.

Nothing in this WhitePaper shall be deemed to constitute a prospectus of any sort or solicitation for investment, nor does it in any way pertain to an offering or a solicitation of an offer to buy any securities in any jurisdiction.

Nothing contained in this Whitepaper is or may be relied upon as a promise, representation or undertaking as to the future performance of the Diamond Network. The agreement between the Distributor and you, in relation to any sale and purchase of DPT is to be governed by only the separate terms and conditions of such agreement.

By accessing this Whitepaper or any part thereof, you represent and warrant to the DN, its affiliates, and the Diamond Network Team as follows:

- ◆ (a) in any decision to purchase any DPT, you have not relied on any statement set out in this Whitepaper;
- ◆ (b) you will and shall at your own expense ensure compliance with all laws, regulatory requirements and restrictions applicable to you (as the case may be);
- ◆ (c) you acknowledge, understand and agree that DPT may have no value, there is no guarantee or representation of value or liquidity for DPT, and DPT is not for speculative investment;



- ▼ (d) none of the DN, its affiliates, and/or the Diamond Network team members shall be responsible for or liable for the value of DPT, the transferability and/or liquidity of DPT and/or the availability of any market for DPT through third parties or otherwise; and
- ▼ (e) you acknowledge, understand and agree that you are not eligible to purchase any

DPT if you are a citizen, national, resident (tax or otherwise), domiciliary and/or green card holder of a geographic area or country:

- a. where it is likely that the sale of DPT would be construed as the sale of a security (howsoever named) or investment product and/or
- b. in which access to or participation in the DPT token sale or the Diamond Network is prohibited by applicable law, decree, regulation, treaty, or administrative act, and/or (including without limitation the United States of America, Canada, New Zealand, People's Republic of China, and the Republic of Korea).

Prospective purchasers of DPT should carefully consider and evaluate all risks and uncertainties (including financial and legal risks and uncertainties) associated with the DPT token sale, the DN, the Distributor and the Diamond Network team.

The information set out in this Whitepaper is for community discussion only and is not legally binding. No person is bound to enter into any contract or binding legal commitment in relation to the acquisition of DPT, and no virtual currency or other form of payment is to be accepted on the basis of this WhitePaper. The agreement for sale and purchase of DPT and/or continued holding of DPT shall be governed by a separate set of Terms and Conditions or Token Purchase Agreement (as the case may be) setting out the terms of such purchase and/or continued holding of DPT (the Terms and Conditions), which shall be separately provided to you or made available on the www.cdiamondcoin.io/ www.cdiamondcoin.com website. In the event of any inconsistencies between the Terms and Conditions and this Whitepaper, the Terms and Conditions shall prevail.

Diamond Network Ltd reserves the right to change the Terms and Conditions set forth in this WhitePaper, and the general Terms and Conditions as published on the Website at any time without prior notice.

All contributions will be applied towards the research, development, design, promotion, advocacy and licensing for a new blockchain-based Diamond Network Platform and its products.

This Whitepaper may be translated into a language other than English and in the event of conflict or ambiguity between the English language version and translated versions of this Whitepaper, the English language version shall prevail.



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Executive summary

For almost a decade now cryptocurrencies are part of the world's economy, since year 2009 when Bitcoin was introduced to us, a lot has changed. Nowadays there are more than 1580 cryptocurrencies, more than 11 220 markets and the market cap has reached \$254 040 853 775, with a daily volume of \$15 353 947 239. Due to the rapid development in the last two years Bitcoins dominance has decreased to 41.7%. *

Bitcoin and Ethereum are the two dominant cryptocurrencies, but their prices are very volatile, which is good for speculations, but hinders its wide adoption in long term. This is where the stable coins come in to the game. Stable coins are a class of cryptocurrencies that seek to maintain price stability with respect to a value indicator. The value indicator is typically the USD.

One of the main purposes of Diamond Network Project is to solve the volatility problems, using blockchain technology, in order to create a new type of cryptocurrency – stable coin, where each issued coin will be secured by a diamond of 0.04 carat.

Diamond Network is a complex long term project served in an understandable and simple manner; the research showed that the concept of a stable coins is clear to most people, but only seldom understand the described technology behind the existing stable coins. If you are a tech geek, please follow our Github and Reddit accounts, or contact us to find out more about the technical solutions.

This Project covers the whole diamond industry needs and services, digitalizing them step by step. The project will be executed in 4 Phases and have 2 tokens for sale - one utility token and one security token (stable coin).

Diamond Network Ltd provides a platform through which 4 services will be available:

- ◆ Diamond origin verification service;
- ◆ Digital Diamond database;
- ◆ Marketplace and
- ◆ a CDC stable coin;

* www.coinmarketcap.com data on 25.06.2018



The utility token called DPT

Diamond Platform Token, gives access to the platform and its services; DPT will also be used to pay the fees for the services. DPT is a subject of ICO.

The standardized security token called CDC

which stands for Certified Diamond Coin is equal to 0.04 cts of diamond. CDC is a hybrid token: security token + payment token; fulfils the role of reserve currency and stable coin. CDC is considered a derivative, it underlies the Financial Market Regulations and the Anti-Money Laundering act. Diamond Network will release the token only after acquiring the License.

It is also important to mention that a Charity Trust Fund will be established, to invest in the development of the diamond origin countries, like South Africa and India.



Team description

At this moment the Diamond Network team consists of a core team of 4 people and external experts and service providers. The core team are financial market, IT and diamond market professionals, the experts cover the areas of Blockchain technology and Marketing professionals. The team will grow along with the project – in the 3rd quarter of 2018 an in-house Marketing and Communication manager will be hired and a Main Blockchain Developer will be hired.

In this section you will find a short description about the team and experts.

Main Team



Igors Nikitins

Founder

Igors Nikitins is the Founder of the project, he has a degree in Economics, specializing on the influence of decentralized crypto-currency systems on the world economy. He is a professional day trader, investing in crypto currency and blockchain projects. He leads trainings and has his own YouTube channel followed by tens of thousands of people.

 <https://www.linkedin.com/in/inikitins/>



Andrejs Sulcs

Security & IT Manager, Co-Founder

Andrejs Sulcs is an IT and data security expert, who has worked in leading data security positions in the bank and telecommunication sector for more than a decade.

 <https://www.linkedin.com/in/a-sulcs/>





Baiba Rozenberga

Strategic development lead, Co-Founder

Baiba Rozenberga is a Financial Analyst with more than 14 years' experience in investment project development and evaluation, working in private and public sector. Has a certificate in IFRS and is qualified to evaluate projects over 50 million EUR, according to the EC Regulations and Standards.

 <https://www.linkedin.com/in/baiba-rozenberga-772003a/>

External Experts and services



SIA "Trialine"

Ecosystem and SmartContract development

SIA "Trialine" is a company based in Latvia, specializing in IT Project development. It has 12 years of history and experienced crew. At this moment they are working on system architecture improvement and started development of Diamond Network project ecosystem.

 <https://www.linkedin.com/company/trialine/>

 <http://trialine.lv/en/>



Jaya.Digital (Ukraine)

Initial Blockchain and Engineering Strategy

Jaya.Digital is a Ukrainian IT company, well known in Ukrainian Financial service branch and local blockchain society. Jaya.Digital have experience in blockchain project development, ICO marketing strategy implementation and technical expertise.

 <https://www.facebook.com/jayadigital>

 <https://jaya.digital/home>





Eugene Sheeleen

Design & Corporate Style

Eugene Sheeleen is a talented graphic designer, with more than 12 years' experience, including ICO Landing page design, he is the Co-Founder and Art Director of DEZI BS Agency. <https://dezi.eu/>

 <https://www.linkedin.com/in/eugene-sheeleen/>

 <https://www.behance.net/eugeneshleeen>



Rober Horvath

Technology Expert

Robert Horvath is a software developer and a blockchain technology expert, who joined the expert team at 27th of July, 2018. He is one of the first developers who joined the MakerDAO team, to develop the DAI stable coin. He was responsible for software development in different areas, in languages including solidity, bash, meteor, database programming, python, node-js. MakerDAO is currently listed in the 39th position in the Top 100 Cryptocurrencies by Market Capitalization with the current capitalization of **\$512 223 964**.

 <https://www.linkedin.com/in/robert-horvath-3488152b/>



Introduction to the markets

Crypto currency market

2017 has been an epic year in the cryptocurrency and blockchain markets, it brought us all-time highs and Crypto Kitties. The combined market capitalization went from \$15 billion in January to over \$600 billion by year's end; ICOs and Venture Capitals hit new heights - \$3.23 billion for ICOs and \$200 million for Venture Capitals. In 2017 the prices went all time high – Bitcoin reaching almost \$20 000 for one BTC and falling to \$6 202 in February 2018, Ethereum had its high point at January 2018 going over \$1300 for 1 ETH, and falling down to \$370 only two months later in March. Bitcoins highest daily volume (24h) reached \$23,99 billion a day in December 2017, but the days when cryptocurrency market share was dominated by Bitcoin are over, in 2017 bitcoin dominance fell below 40%, in comparison to 2009 when the bitcoin dominance was 85%.

Crypto currencies are extremely volatile offering high profit possibilities with high risk e.g. also high losses. Bitcoins value has increased almost 300% in a year, but it also lost 1/3rd of its value in just 5 days (17.12 to 22.12.2017), and 2/3rds - 66% in just less than two months. One of Diamond Network purposes is to offer a standardized stable coin which value is backed up by a 0.04 cts diamond and is only slightly volatile.

Diamond market

Diamonds value is appreciated for decades and it is a hundred-billion-dollar industry. Only the mining productions yearly turnover is over \$12 billion (12,4 in 2016), not even talking about the related businesses – grading, certification, logistics, auction houses and broker-ages and jewelry industry. Global polished diamond demand at wholesale level was accounted for almost \$22 billion in 2014. The total value of the diamond jewelry market worldwide was some 80.1 billion U.S. dollars in 2016, showing an increase of approximately one billion U.S. dollars from the previous year.

Unfortunately, diamond industry is still known for its problems and human rights abuse. Diamonds have funded brutal wars in countries such as Angola, Central African Republic, the Democratic Republic of Congo, Liberia, and Sierra Leone, resulting in the death and displacement of millions of people. There is a reason they are dubbed 'Blood Diamonds' or 'Conflict Diamonds'.



Due to difference in social costs and natural costs the diamond price per carat, depending of the country of origin, can vary even 300% from the average, but after grading it is almost impossible to tell where it is from if the origin is not known.

We believe that the diamond buyers have the right to know exactly what they buy - The Project will promote transparency and allow to determine the mine of origin, the true price of the diamond and provide future traceability of the gem.

Make expert level data available to everyone and reveal the diamond market for buyers without previous knowledge in diamond trading or crypto currencies.



DPT token description



Diamond Platform token is the object of ICO. DPT is a utility token and is not backed up by an asset, neither is considered a derivative, and is not meant to be exchanged to a different token later. The sole purpose of the token is to confer digital access rights to the Diamond Network Platform and its services on a blockchain-based infrastructure. DPT gives access to - the digital diamond data base, origin verification service, CDC diamond coin and Marketplace. More detailed information about the services can be found in the next section – Platform business model description.

The token has no investment function and does not give the right to profit (no dividends are paid), also does not promise to return the capital with or without a guaranteed return. The token will have a governance function – the token holders can participate in decision making process related to the project development via voting.

The token will be used as a Fee currency to cover the Fees for the Services. DPT is accepted as a payment tool only by the Diamond Network, but not by the third parties, it is not meant to be a payment tool, although the owners of the token can change. More information about the Fees can be found by each service description.

10 000 000 DPT tokens will be generated, the amount is meant to be fixed, but the function of issuing new tokens and burn existing ones will be integrated. New tokens can be issued only if the token holder community votes for. According to this, the token will follow the ERC20 standard for interoperability and the ERC621 standard for token supply regulation, the token will have a precision of 18 decimals. The owner's data will be stored in the blockchain.



PRE ICO price for
early investors

30% discount from
ICO price, e.g.
3.5\$/1DPT

ICO Main Sale start
price is planned

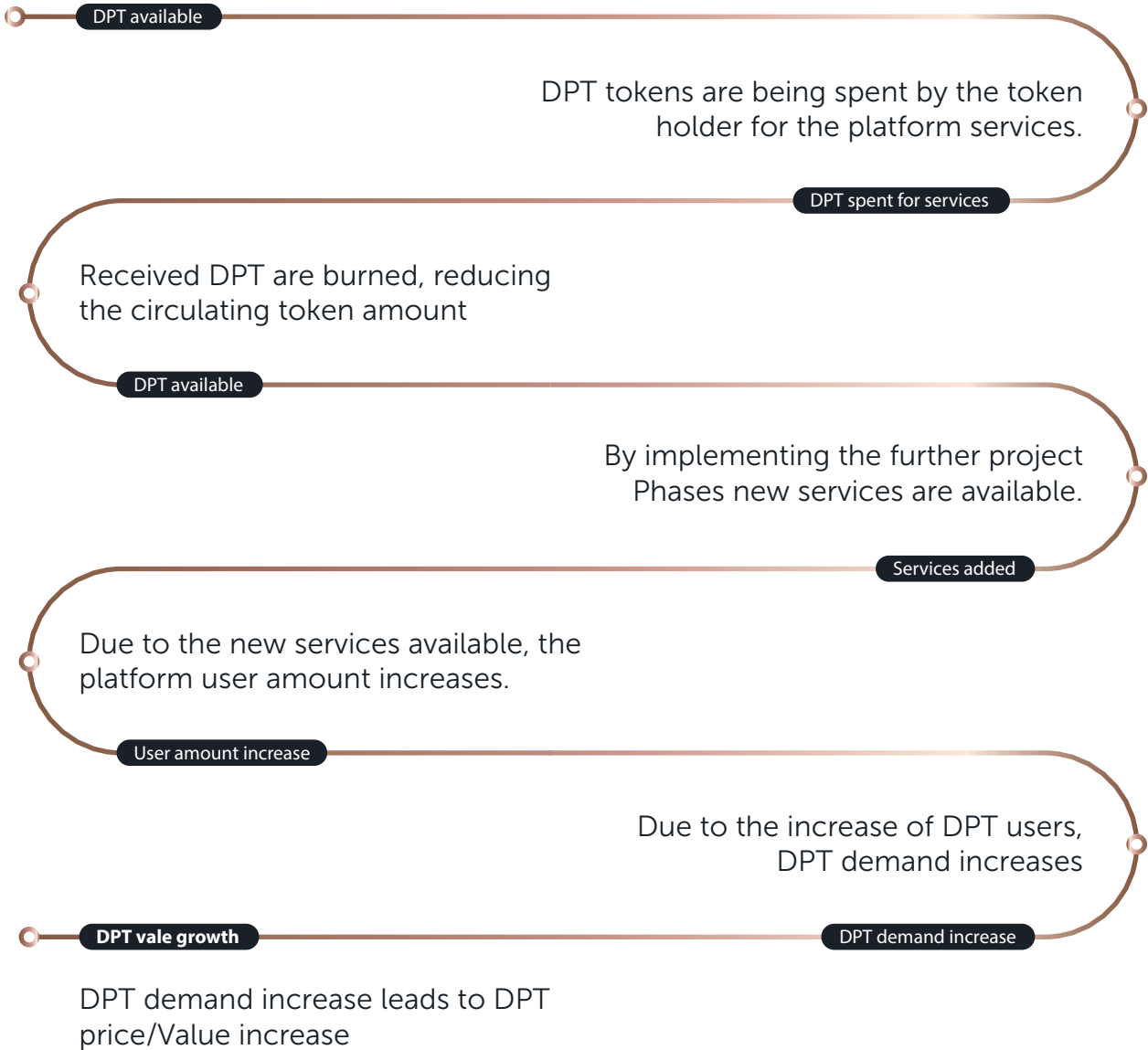
5\$ / 1DPT

Table No. 1 Token distribution

Token Pre Sale	10%
ICO Main Sale	30%
Token Sale through time	30%
Team	15%
Advisors and Partners	10%
Bounties/other	5%



DPT Tokens are generated by the Diamond Network and available to acquire.

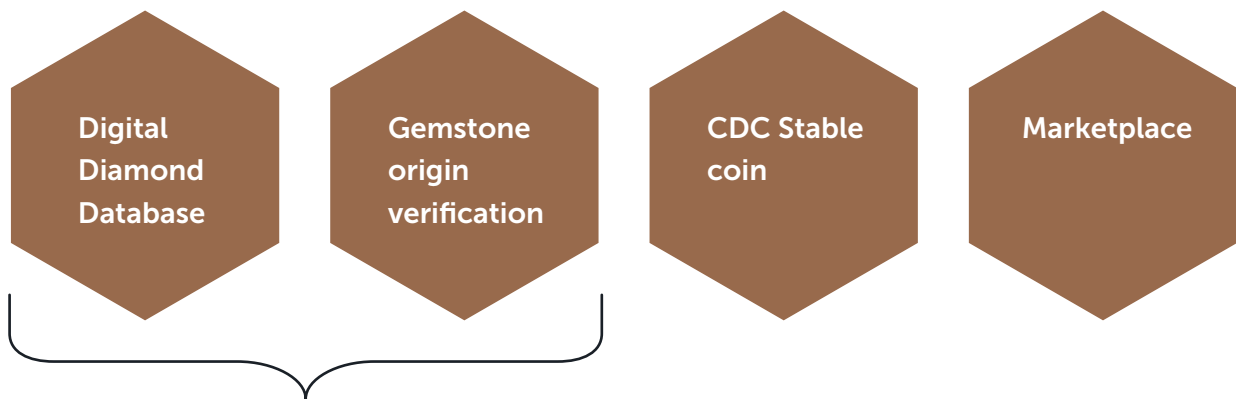


Platform business model description

Diamond Network is a platform (ecosystem) with four services which will be running on the Ethereum blockchain. Two tokens will be issued – 1. A utility token called DPT (Diamond Platform token - described in the previous section), which grants access to the Diamond Network services –, and 2. A security token CDC (Certified Diamond Coin), which is a standardized asset backed token. Please take in to consideration, that the project is in an early development stage and the total development phase will take up to 2 years, each service is described according to the existing understanding and vision, it will be improved and described in detail through time.

Domain www.cdiamondcoin.com, www.cdiamondcoin.io

The project is market driven and demand based. We truly believe that a long term success for a blockchain project can be achieved only via strong networking with existing diamond market players and cooperation with other blockchain projects.



Developed in cooperation with (USA):



Service description

Our goal is to create a totally transparent diamond market that would be traceable, reliable and responsible.

Digital Diamond Database and **Gemstone Origin** Verification service is being developed together with the SCS Global Services (Further SCS) research centre based in USA. The cooperation underlies a Non-disclosure agreement.

Origin Verification Technology links any diamond back to any mine, once baseline is established. SCS has the exclusive right of using this laser technology. It is backed by sophisticated, proprietary-software powered by the artificial intelligence.

With the common goal of setting up the baseline (Diamond DNA) of each mine in the world SCS and DN are establishing a cooperation. So far more than 50 000 diamonds from 7 mining's have been tested by SCS. To set up a baseline at least 30 tests from a mining are needed, if more than 100 diamonds are tested from one mining the test result is 99.96% correct.

Digital Diamond Database description:



Digital
Diamond
Database

The Digital diamond Database, will stores the information about each diamond which goes through any other service provided by the Diamond Network.

It will store the data about:

- ◆ each diamond tested (its' test results and base line, historical data - if available, certificate data),
- ◆ each CDC diamond,
- ◆ and each diamond listed in the Marketplace.

Digital Diamond Database characteristics

- ◆ A diamond parameterization system will be developed in cooperation with SCS;
- ◆ The Database will be compatible - include the same criteria lines/parameters according to the data gathered by the laser- 4C parameters listed in existing certificates;
- ◆ Will have a search engine with several parameters;
- ◆ Search engine will also support a search by existing certificate number, issued by GIA and others;
- ◆ Will have an automatic data upload system, that will collect the data from other services (decentralized, Ethereum blockchain, proof of Existence; not possible to type in manually);
- ◆ Will be cumulative, recognizing the parameters of a diamond which already exists in the Database;
- ◆ If the diamond is tested by the DN – a digital (and physical) certificate will be issued and stored in the Database;
- ◆ The list of previous owners can be displayed, if data available (Could be possibly a service of extra charge);
- ◆ A historical price chart can be displayed - (Could be possibly a service of extra charge);
- ◆ Comparable prices can be displayed – like Rapaport price, Market place price of similar products listed, an algorithm calculated sales price which takes in to consideration all the factors incl. the place of origin.

Income model/ Fees

- ◆ Usage of the basic Database service will be free of charge for the DPT token holders;
- ◆ In-depth data about the diamond can be displayed for a fee. The model will not differ from the way most data basis work, for example, Company registers - information like Company name, legal address, VAT status can be acquired free of charge, but every next information category has a fee, like – list of owners and their data, collateral register, Access to balance sheets etc.
- ◆ The fees will be collected in DPT tokens. After DN receives the token, it will be burned.
- ◆ The amount of fees and the categories are not set yet!
- ◆ The fee model for the Database usage and Origin Verification Service will be developed in cooperation with SCS.



Gemstone origin verification service description:

Gemstone
origin
verification

The Origin Verification service is closely connected to the Database development and also offered as a service for the DPT token holders.

Diamond Network will collect the diamond samples from all over the world to set the base line for every mine in the world, creating a digital DNA library in the Database, which will allow to trace back to mine every diamond in the world.

Verification service characteristics

- ▼ At least one physical laboratory will be established;
- ▼ Can be developed in a legal certification center, e.g. – DNF should apply for a license;
- ▼ Digital (and physical) gemstone passport/certificate is issued after testing and added to the Database;
- ▼ Gems tested can be listed in the Marketplace;
- ▼ Certification maximizes the value of diamond jewellery by using the only testing which can prove provenance;
- ▼ Origin-verified diamonds can add as much as 20% in value;
- ▼ Analysis time in <1 minute.

Income model/ Fees

- ▼ Fees are collected in DPTs'
- ▼ The Fee pricing model is developed in cooperation with SCS.



CDC description:



CDC stands for Certified Diamond Coin.

- It is a hybrid token: security token + payment token; fulfils the role of reserve currency and stable coin;
- CDC is a standardized token: 1 CDC is 0.04 cts and its value is ~\$35, the price always represents the Rapaport ^{*} value plus the packaging costs, insurance costs;
- CDC is considered a derivative, it underlies the Financial Market Regulations and the Anti-Money Laundering act. Diamond Network will release the token only after acquiring the license.

Underlying asset description

and

Physical asset management

- CDC market value for the token holders will always be represented by a diamond:
Weight (Cts) 0.04;
Size 2.1;
Originality Natural;
Clarity Range VS;
Colour range G
- The asset 0.04 cts is chosen with a purpose – its price is low in USD, not volatile (Not an investment diamond) and easy accessible (frequently used in the jewellery industry). The price range is in the tunnel of +/- 2.5%. The asset value is stable by itself.
- The DN will hold the assets not only in 0.04 cts, but also in investment diamonds, which value 100% covers the issued CDC token amount. Investment diamonds are a bit more volatile and their value tends to increase through time.
- DN will audit its assets every quarter. If the market value of diamonds in stock have increased – additional CDC tokens will be generated and stored in the Cold Wallet, if the value will decrease – CDC stored in the cold wallet will be burned or additional diamonds will be bought to cover the CDC amount issued/generated.



* Rapaport diamond price reports are the only reports internationally used to establish the price.
<http://www.diamonds.net/>, www.rapnet.com





Underlying asset description

and

Physical asset management

◆ In case, the diamond value in stock has increased and new tokens have been generated – the DN, could use the gained value and tokens in several ways:

a) Sell them to gain funding for purposes like Charity work, or cover operating or development costs – if needed;

b) Pay out the extra tokens to CDC token holders as bonuses, for trust (so that CDC will have a licence – it will be possible).

It is planned that the token holders will have the right to vote and make a decision how to use the extra funding gained.

Asset security and Protocol of Proof of existence

◆ The diamonds are packed in a security case produced by the Italian company CERTILINE (www.certiline.com),

◆ Stored in an automated bank vault, managed by a robot, that eliminates the human factor; connected to the Database.

◆ Insured and audited at least once in the quarter;

◆ High level security system;

◆ A protocol of Proof of Existence, which includes hash code of pictures, stored on the blockchain;

◆ Backup of original data.

Token Management

◆ CDC Tokens are generated by the DN according to the amount of diamonds stored in the stock of the DN and according to the market demand;

◆ CDC Tokens which are generated, but still owned by the DN, are stored in the cold wallet;



Token usability

- ♥ The CDC token holders can:
 - a) Use the CDC as a reserve currency, to keep their funds in a safe, non-volatile crypto currency – a small yearly fee will be applied to cover the storing of the asset;
 - b) Use the CDC as a payment token, a small transaction fee will be applied.
 - c) Redeem CDC to physical 0.04 cts diamonds from the DN any time, with a small fee + delivery costs (fee model is being developed);
 - d) Or exchange the CDC for an Investment diamond on the Marketplace, e.g. buy investment diamonds from certified partners using CDC;
- ♥ If the token holder redeems the diamonds from the DN – the tokens will be burned, because it will not be covered by the underlying asset anymore;

Asset security and Protocol of Proof of existence

- ♥ Fees are charged in DPT tokens.
- ♥ Yearly maintenance fee (demurrage fee), for underlying asset management of 0.3% will be applied;
 - a) Fee is set up in USD and converted to DPT;
 - b) Applied and recalculated at the transaction or redeem moment.
 - c) Yearly maintenance fee will not be applied for the first two years to promote the project.
- ♥ Transfer fee 0.12%
- ♥ Redeem Fee 0.5%

Token logo



Marketplace description:

Marketplace

Marketplace will be a B2B/ B2C platform, which connects buyers and sellers, it is a catalogue of investment diamonds for sale. To list a diamond for sale these steps have to be made:

- ◆ Parametrization. Laser test, the baseline for the specific diamond is established and added to the Database;
- ◆ Certificate is issued incl. digital Certificate;
- ◆ Evaluation. The diamond has to be evaluated;

Marketplace characteristics

- ◆ Only certified partners can list their products;
- ◆ Has a Search engine by product category, location and other relevant criteria;
- ◆ Has a two-way link to the Database – e.g.
 - If the gem has been tested or has been in the Database before – relevant information about the gem, like it's digital pass, is displayed;
 - ← After the sales operation is performed, the transaction information is added to the Database keeping the record of the gem. If it is a gem which is already in the database, a new record line is added (transaction amount, date, owner's data.)
- ◆ Prices of the products are listed in CDC (and ETH/FIAT)
- ◆ The price of the diamond is determined by the seller. But the buyer will have the possibility to check historical prices if available, compare to other similar diamond prices, compare the price to Rapaport price and compare the sales price to the price set up at the evaluation process.
- ◆ Diamonds bought can either be stored in Diamond Networks Bank Vault or delivered to the buyer;

Income model/ Fees

- ◆ Service can be paid in DPTs.
- ◆ The list of diamonds can be viewed free of charge, but detailed information, like country located and owner, price comparison can be viewed for a small charge.
- ◆ Diamond Listing fee for the sellers 0.05% of the sales price.

Key benefits



Socially responsible ICO – registered Company and Financial Regulator approved token generation event for DPT;



No avoidance of regulations – CDC stable coin is a standardized derivative and will be released only after obtaining Financial Market Authority issued license.



No centralized Database management – fully managed by the Ethereum blockchain;



Secure Cold Wallet storage for CDCs;



Physical asset safe storage in fully automated Bank-Vault managed by a robot. No human factor;



Asset digital and physical traceability – proof of existence protocol, safe case packaging and quarterly audit;



Unique laser verification technology and Artificial Intelligence algorithm used, instead of simple empirical data and 4C algorithms, to evaluate and establish the origin of the diamond.



Roadmap

The founder of the project Igors Nikitins had the first idea about a diamond related stable coin back in year 2015. Till year 2017 he researched the crypto currency market and at the end of the year he started to search for a local diamond market professional who would be interested in a cooperation.

In October 2017 the first steps were made towards the realisation of the project; In the 4th quarter of 2017 the first internal White Paper was written for the CDC stable coin. To create the CDC a lot of administrative and development activities were carried out, like: a trial smart contract was written and tested; Diamond safe case packaging equipment was ordered, domain was registered, corporate style design was developed, and others.

But in the 1st quarter of 2018, the project scale was redefined as the Diamond Network Platform where CDC is only one of the products/services available. Due to this CDC is one of the best developed products of the Diamond Network Platform now – even if it is not included in the first development Phase.

Project development Phases:

1st Phase: Database (Service 1) and Verification Centre (Service 2) is set up and available for the DPT token holders; Database link to other services is created);

2nd Phase: CDC Stable coin (Service 3) is released (After the Licencing of Financial Market Authority);

3rd Phase: Marketplace platform is developed and available for DPT and CDC token holders;

4th Phase: Charity trust fund is developed.

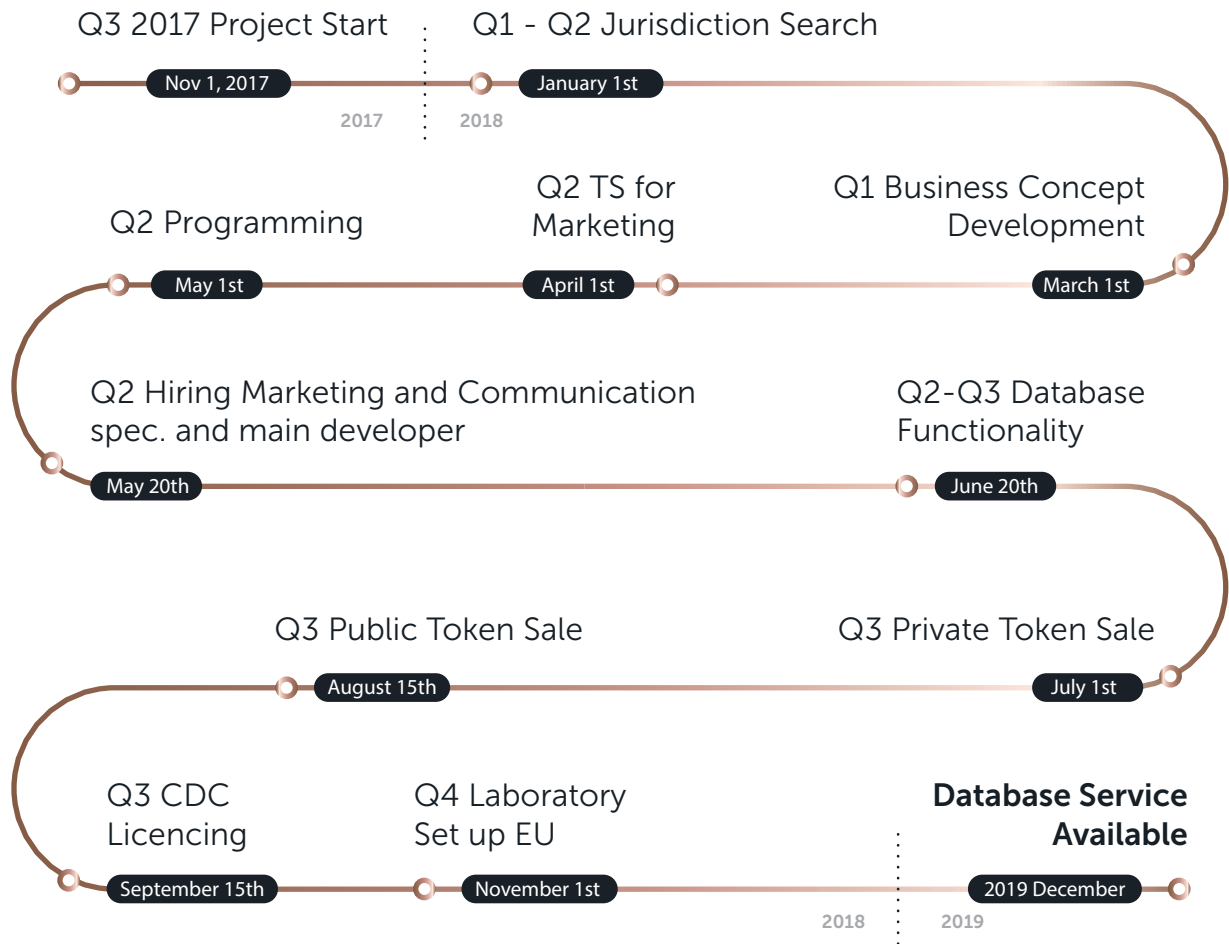


Historical activity log for CDC diamond coin 4Q 2017 – 1Q 2018

Activity	Schedule				
	2017	2018			
	4Q	1Q	2Q	3Q	4Q
Initiation of the project	█				
Internal White Paper for CDC	█				
Domain cdiamondcoin.com booked	█				
Corporate design and logo for CDC	█				
Test Smart Contract written and tested	█	█			
Safe Case packaging design for CDC	█	█			
Equipment ordered for Safe Case pack.	█	█			
Ecosys. modelling, analysis of functionality		█	█		
Legal advice – Latvia		█	█		
Web page development (ecosystem)			█	█	
Permission manager/DPT token/DPT exchange dev.			█	█	
Configuration storage/Diamond fingerprint tech. dev.			█	█	



First Phase Development Roadmap



Activity description for the First Phase

Activity	Schedule				
	2017	2018			
	4Q	1Q	2Q	3Q	4Q
Jurisdiction search, Legal advice - Swiss, Luxembourg, Liechtenstein		█	█		
Core Team formation		█	█		
Business concept development for Diamond Network Platform		█	█		
Technical Specification for Marketing & Communication strategy		█			
Fee model development			█	█	
Web page development (ecosystem)		█	█		
Permission manager/DPT token/DPT exchange dev , Configuration storage/Diamond fingerprint tech. dev.			█	█	█
Project approval with Fin.Market Authority Liechtenstein			█	█	
Incorporation of Diamond Network Ltd				█	
Setting up a homepage, with information for a closed group				█	
Database development in cooperation with SCS Global services				█	█
Setting up a research laboratory in EU, Verification centre					
Early investor attraction/ Private token sale				█	
Public token sale					█
Marketing and Communication strategy activities				█	█
CDC licencing (Financial Market regulator)					█
CDC token/DPass/CDC exchange dev.					█
Web marketplace dev.					█
First phase service available for DPT services in 2019.					

Technical progress on 06.07.2018.

During the initial development phase, a lot of projects were analysed and consultations obtained by one of the best technical experts in Blockchain. The decision was made to build our ecosystem based on Ethereum blockchain, Web3js, Python. A small private ICO, to test Ethereum Smart Contract options, was held and after successful results a final decision was made that Ethereum network suits our goals and intentions.

The smart contract for DPT token was written. To ERC20 standard token functions we have added an option of exchange - ETH to DPT. Basically when ETH comes to contract address, DPT token, depending on the rate, is sent back to the sender.

Burn options were implemented and tested. We have developed a Redeemers (Swap) contract for the migration to new versions of DPT in the future and successfully tested it. New version of DPT will be needed for governance functions and after that to increase or decrease the initial token amount (ERC621). We have started to develop the DN ecosystem. Diamond database options were analysed. A non blockchain prototype was developed, and one of our next steps will be to implement our vision of decentralized database on the Ethereum Blockchain. We are now exploring some solutions to transfer all existing SCS diamond data to our decentralized diamond database via SCS API. Besides we are exploring options of IoT, when our future laboratory will automatically add data to our decentralized database.

A part of our ecosystem is dApp with DPT user-friendly purchase option. dApp is connected to the blockchain, so basically if a client is using Mist or Metamask Google Chrome extension he can purchase DPT easily. The users who use Ledger, Trezor, myetherwallet.com (or other) can also purchase the tokens by sending ETH to the contract address. Detailed information is provided in our site. Every client can view his balance in his profile, by adding his ETH address.

A Calculator as an options is also implemented (DPT to ETH).

DPT development process can be monitored in public git:

<https://github.com/trialine/dpt-token>.

Our ecosystem is secured with Cloudflare, SSL and has CSRF protection from XSS attacks, protection against SQL injection and etc. As well all server administration is handled by a team of professionals. DPT and ETH flow security is guaranteed by Multisignature wallets together with protected PC usage. Gathered invested funds will be stored on cold wallets. We also developed a roadmap. See the status on certain date.



Table No. 2 Status on 06/07/2018

Component	Descriptions	Dependencies	Status
Permission manager	Solidity based contract to authorize roles to manage CDC ecosystem actions.		Under development
DPT Token	Solidity based utility token contract.	ERC20 Token Standard	Done
DPT Exchange	Solidity based contract which provides ETH-DPT exchange	DPT Token, Configuration storage	Done
Configuration storage	Solidity based storage contract that stores CDC configurable variables like fees, etc.		Under development
Diamond fingerprint	Diamond parametrization, fingerprint creation with physical device and initial price setup.	Physical device, Permission manager	Under development
CDC Token	Solidity based cryptocurrency contract. Diamond coin tokens (CDC) = 0.04 carat	ERC20 Token Standard	Under Analysis
Dpass	Solidity based multisignature contract for diamond exchange. Each diamond has his own Dpass contract with purchase history, attributes like price, sale ability and etc.	DPT Token, CDC Token, Permission manager, Configuration storage	Under Analysis
CDC Exchange	Solidity based contract which provide ETH - CDC, CDC - real diamonds exchange ability	CDC Token, Configuration storage	Under Analysis
WEB marketplace	Python Django based application that provides access to all of listed diamonds with purchase and selling ability	Web3.js, python, Django	Under Analysis



Fund distribution

Potential fundraise via ICO \$15 million. Soft Cap \$ 8 million. Fund distribution as shown below:

Software development	\$ 3.9 million;
Infrastructure	\$ 1.4 million;
Legal expenses & Licensing	\$ 2.3 million;
Marketing	\$ 1.2 million;
Assets (Liquidity provision)	\$ 5 million;
Operational cost reserve	\$ 1.2 million;



Contact us

Please do not hesitate to contact us if you have any further questions.
We will be happy to answer them

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