



Dentix
GLOBAL

Whitepaper v. 1.0.8

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Abstract

Thank you for taking the time to read Dentix Whitepaper. This paper is a result of collaboration between dentists, health professionals, blockchain engineers, and business advisors.

Dentix is creating a globally distributed, user centric Dental Electronic Health Record platform, which will enable patients to give access to their dental records to in-network professionals in a transparent and secure way.

Moreover, Dentix will create auxiliary services that will enable Dentists drastically improve the quality of service provided. Users will be able to leverage their dental data to power a variety of applications and services.

Dentix whitepaper 1.0 will outline the vision of Dentix, as well as provide a brief summary of the blockchain technology used and how Dentix is utilising it to address specific issues to make dental care better for patients and industry professionals.

Letter from the CEO

Dear Reader,

I would like to thank you for taking time to research Dentix and read our whitepaper. This has been a culmination of hard work and dedication from all of the team here at Dentix Global and we would like to proudly share our vision with you!

As a business evangelist I have worked long hours while managing expectations and multitasking to satisfy tight deadlines. Despite such experiences, nothing had prepared me for the challenge of growing Dentix from the ground up. Working side by side with an excellent team of finest individuals we grew to become what we now know as Dentix Global.

Though still expanding, our team has a perfect blend of business and finance professionals, incredible developers and we are constantly being advised by practicing dental professionals from different parts of our wonderful planet.

All of us here at Dentix have what it takes and are completely and totally committed to improve dental care for both providers and, most importantly, the patients.

Our mission is to overall improve dental care industry by adding multiple layers of security, availability and communications between dental professionals and their patients.

Every day we strive to bring this mission to life by using the tools to engage patients in more comprehensive dental care experience, such as mobility (being able to access their encrypted records on their mobile devices anywhere in the world), ability to transfer their care to a provider that better suits their current needs, or just easier to gain access to, and by adding auxiliary services that will eventually become a cornerstone of their dental experience.

So far it has been an amazing journey and, I'm speaking on behalf of everyone here at Dentix, we are fortunate to have received and continue receiving such an incredible support from the community, which has propelled us onwards in developing and continuously deploying Dentix platform. At this stage, we are only at the beginning, but I truly believe the most exciting times and incredible changes lie ahead of us all. Please continue to follow and support the Dentix movement so that we can truly make a difference in the dental care industry.

Best Wishes to you all,

Daniel V. Markelov
Dentix CEO & Founder

Mission Statement

Dentix global is putting all of its efforts toward improving the quality of dental care worldwide by reducing the treatment costs, improving costs transparency and creating a dental community. The DNTX Token was created is created to help assist Dentix Global with our mission by empowering its' community to have an active role in Dentix ecosystem. Patients who use and implement these tools will receive Dentix tokens as a reward, which they can use later to pay for their dental treatments and other in-network services.

Our main goal is not to compete with other cryptocurrencies, but to provide a solution for the dental care industry through means of blockchain.

DENTIX Development phases

Phase 1: Electronic Health Record (EHR) Platform

Since early 2016 DENTIX has been in the process of architecting, development and perfecting an EHR platform that would be easy to understand, implement and use for practitioners as well as being informative and accessible for their patients. Though there are many safety and privacy features that are currently implemented in the platform, we always felt that we need “just that one more layer of assurance.” By implementing blockchain into Dentix that exists today, we will create the platform that will assure optimal autonomy, trust, speed and safety thus mitigating any risks in connection with manipulations.

Updated solution will provide a dynamically triggered DNTX wallet creation for everybody involved in the Dentix platform, which will assure the ease of truly secure communications, information transfers between dentists and their patients, as well as provide a safe ground to patient information transfer to in-network providers worldwide.

Community centric platform will provide the means of True View^(TM) - a proprietary review module that will allow patients to review only those practitioners who have actually provided services to them, as well as to only review services that were actually provided. This will revolutionise the patient-doctor review mechanism and will become the only true source of verifiable patient reviews.

Since the inception of our platform back in early 2016 many things have changed in the web application development arena, to stay inline with the most modern trends, we're currently working on updating the User Interface for both Patient and Provider portals, by improving usability and overall user experience.

Our plans drive us to present a refined system to a close circle of beta-testers on or around March 10th, 2018. Once the ICO starts gaining traction and begins the market offensive and the advertising

campaigns for the global expansion will be implemented and create a rapid growing community of patients and dentists.

Dentix platform will boast a wide range of benefits, here's just a few:

- Innovative patient intake platform;
- Practice-wide scheduling platform, with instant appointment confirmation ability;
- Clinically tested patient chart with the following set of features:
 - Full Dental and Perio charting abilities;
 - Substantial patient information resources;
 - Creation, and completion of encounter notes (patient visits) within the patient chart;
 - History of completed and recommended procedures;
 - In-Network & out-of-network patient referral and chart transfer modules;
- Messaging Module will provide the ability to for providers to send messages and transfer personal data to their patients as well as to other in and out of network providers;
 - Chart transfers to other providers will only be possible after blockchain authorisation has been received from both patient and current treating dentist, which will drastically improve unauthorised information being passed in and out of the system;
- e-Prescription, e-Labs and Imaging modules will also be available; Though may not be available in some countries, we will establish partnerships with country specific service providers to insure maximum compatibility and interoperability.
- Reporting module will provide comprehensive reports for practice owners;

Electronic Health Record Database

Blockchain offers a model, which has the potential to enable secure lifetime medical record sharing across all dental care providers. The rationale for considering a blockchain in electronic health care records is twofold. First, it avoids adding another organisation between the patient and the records. The blockchain implies a decentralised control mechanism in which all have an interest, but no one exclusively owns it. This is an architectural change that generalises past medical records. Second, it adds due consideration

¹to a time-stamped, programmable ledger. That opens the door for intelligent control of record access without having to create custom functionality for each vendor. The ledger also inherently includes an audit trail.

Phase 2: Dentix True View(™) Platform Development

We stand firm on our beliefs that reviews should come from patients that have actually received the service, not from somebody who was sitting in the lobby, was walking by at the time, or just simply was asked to write something terrible (or maybe great) about that provider.

Thus we are implementing True View - the one of its kind patient review platform that will allow the patient to leave a review, which can be generic review of the overall experience, or patient will have a choice to “drill-down” and review every single procedure that was completed and signed for by a performing practitioner during his or her visit.

Reviewers will have the ability to post anonymous reviews or to reveal their identity. Those who have shown their face, will be rewarded with higher amount of DNTX Coin than an anonymous reviewer.

These reviews will be highly beneficial to the dental practice, as well as an individual practitioners, as it will increase trust in the reviews received and will be automatically perceived as true and honest review. Our review platform will lay a solid foundation for market researchers worldwide.

² John D. Halamka, MD, Andrew Lippman and Ariel Ekblaw, ‘The Potential for Blockchain to Transform Electronic Health Records’ (Harvard Business Review, 3 March 2017) <<https://hbr.org/2017/03/the-potential-for-blockchain-to-transform-electronic-health-records>>

³ Dugan Maddux, MD, FACP, Vice President, Kidney Disease Initiatives, ‘Cybersecurity and Blockchain in Health Care’ (Acumen Physical Solutions, 24 April 2017) <<https://acumenmd.com/blog/cybersecurity-and-blockchain-in-health-care/>>; HibBucket, ‘Artificial Intelligence Blockchain Research and Development’ (HubBucket Healthcare Blockchain-HubBlockchain) <<http://hubblockchain.com/>>

Phase 3: Dentix Mobile Application Development

Dentix mobile application will be centred around patient experience within the Dentix ecosystem. It will boast an array of helpful features, such as:

- Access to treatments performed and planned;
- Education module with detailed steps on performing recommended after-care procedures, with built-in reminders;
- Payment information and detalization;
- Appointment scheduling and confirmation modules;
- Private messaging module;
- True View (™) review module;
- In-network practitioner location module;

The app will be essential for children as well by providing means of forming dental hygiene habits at a young age and preventing the formation of dental problems in the years to come.

Dentix mobile application for providers will ensure that there are no scheduling conflicts by dynamically synchronising Dentix Practice calendar with personal & vacation calendars of the provider.

In-network Dentix Practice administrators will have the ability to white-label the application with their practice information (i.e. logo, location, hours of operation) which will become visible once the patient logs into the application. This information will be dynamically updated once the patient chart is transferred to another in-network provider.

Security of the mobile application is something we take very seriously, at a minimum, all application data will be protected by 2 Factor Authentication protection.

It is our plan to support all major mobile platforms during the application development.

Phase 4: Public API Development

During lifespan and evolvement of Dentix, there will be a need of secure integration with platforms and applications that will improve the ecosystem and add more useful features to our platform.

We fully intend to dedicate resources and time and product fully documented, globally accessible, yet very much secure API platform for communicating with outside vendors.

To address the interoperability concerns with non-blockchain vendors and applications, an array of proxy servers will be deployed. Proxies will translate incoming and outgoing requests coming in and out of Dentix Platform.

By implementing the proxied API solution Dentix will be the only decentralised EHR platform that is 100% compatible with non-blockchain applications.

Roadmap

As mentioned before, Dentix platform has been in development since early 2016. Since that time we have developed and tested all major functions of the EHR platform and verified its proper operation. However due to massive popularisation of blockchain and decentralisation approach we have re-thought our strategy and decided towards more community-based approach.

To achieve our goals in creating truly decentralised platform in late 2017 we have made a decision to initiate an initial coin offering to attract attention of community supporters and gain traction for blockchain concept.

The public pre-sale will commence on February 1st, 2018 (during which 1 200 000 DNTX tokens will be distributed) and the gathered funds will be used to fund decentralised platform development effort and releasing it to closed beta circle in March 2018. Prior to that date we will be releasing an MVP preview video, for those not participating in closed beta testing. Parallel to development effort, we will be using the gathered funds to further our marketing efforts.

On March 1st, 2018, first ICO token sale will commence, with soft-cap of 800 000 DNTX tokens. To regulate market supply of DNTX

tokens, we will burn all of the unused tokens after the end of the initial coin offering.

Parallel to closed-beta testing, we will put all of our efforts into perfecting Dentix True View™ platform module, releasing it to the world in late May, 2018.

Mobile application and API development will run concurrent during the period of February through September, 2018.

During late 2018 and into 2019 Dentix Global expects to dedicate all of its effort into further expanding and growing the community by deploying services into various countries; so far we're planning on deploying the platform into the following regions:

- Eastern Europe;
- Middle East;
- APAC;
- United States & Canada;

In order to satisfy all regulatory requirements of US & Canada as well as to qualify for meaningful use incentives package that's being offered to dental practices in the United States, we will commence Dentix Platform Meaningful User Certification starting February 1st, 2019, it should not take us longer than 3 months to obtain that certificate and enter the US market.

DNTX Token

There are 300 000 000 (three hundred million) DNTX token. DNTX symbol is referring to a single Dentix token. Since DNTX is an ERC20 token, its value is derived from the exchange with Ether and it is configured to be used globally by all individuals.



is the official Token Symbol.

Token Sale

Dentix ICO will be a capped sale raising \$28 million (28,000,000) equivalent of ETH with whitelisted contribution caps. Dentix will be issuing 300 million (300,000,000) ERC20 tokens to create a new blockchain based dental care system.

Tokens offered in a crowd sale will allow participants to purchase Dentix tokens early as well as contribute and support the further development of Dentix platform. Starting on February 1st, 2018, participants will have the ability to contribute and receive DNTX in exchange for their ETH by sending Ether to a designated contract address.

As of January 1st, 2018 the following token sales are scheduled to occur:

1. February 2nd, 2018 - Public Pre-sale

Pre-sale volume:

1 200 000 DXTN (0,4 % of the total supply)

Price:

0,001 ETH / DNTX

Funds allocation:

- Continuous development of EHR Platform;
- Increased marketing efforts to increase Dentix Market Awareness;

2. March 1st, 2018 - Public Token Sale;

ICO Hard-Cap Volume:

28 000 000 DXTN (9,33 % of the total supply)

Funds allocation:

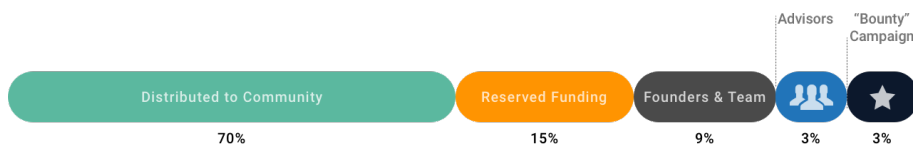
- Continuous development and improvement of Dentix EHR platform;
- Development of Dentix True View (™) module;
- Development of Mobile Applications for both patient and provider;
- Continuous marketing effort;

3. March 1st, 2019 - Additional Token Sale (pending approval) ;

Smart Contract

Source code to Dentix Smart contract can be found on our [GitHub Page](#)

Token Distribution



- 70%: Total ICO distribution to the community;
- 15%: Tokens allocated for marketing and loyalty purposes;
- 9% Reserved for the founders and management of the ICO;
- 3% Reserved for ICO partner advisers;
- 3% Reserved for "Bounty" campaign team;

15% of tokens allocated for marketing and loyalty purposes will be gradually released to enlarge user base and to fulfill Loyalty program.

The final 15% of tokens will be distributed amongst the project team, advisors and the participants of "bounty" campaign.

Bounty Structure

Support is required for many marketing and expert discussion forums such as bitcointalk, the contribution of opinion leaders, banner ads and participation in selected publications that specialise in Cryptocurrency and blockchain. The exact distribution of DNTX tokens for the marketing campaign is managed by the ICO organisers and adjusted regularly, but under no circumstances will it increase beyond 3% of the total issued DNTX.

Detailed bounty information can be found on our [medium.com](#) channel

Dentix Marketing Strategy

During our marketing research, we have identified participants that will require onboarding:

- Patients / Service Users;
- Dentists / Dental Office Staff;
- Non Profit Node Services;
- Research Institutes / Pharma;
- Insurance Carriers;

Dental patients who participated in our research have expressed great interest in the benefits of owning and managing their own dental record.

Communication to future users of Dentix platform is focused on safety and security of patient data, ease of use, accessibility and versatility of the platform. Education on blockchain technology is seen as our top priority, and is set to raise awareness, gain trust and influence adoption of Dentix. Innovators and early adopters will be primary target market for platform trials. Influential users that witness the benefits of Dentix will be the main catalysts for further patient onboarding.

As we continue with awareness and onboarding campaigns, Dentix will offer a service where it will request dental records for consenting users. Our legal team along with the development team will work on building API integration compliant with various international regulations. We acknowledge that some countries may have barriers to the decentralisation of data and we will be working with others to negotiate these barriers.

The data migration process would require a user to complete a short form of content, highlighting the providers they will to obtain records from who they had previously visited.

Physical documents will be scanned and digitised via our proprietary OCR module (though original scans will be stored with the patient chart) which will then be encrypted and uploaded to data storage. Electronic Records will be standardised, encrypted and uploaded.

Dentix is approaching dental practitioners individually and at an organisational level. This multi-level approach will allow for forward thinking dental providers to test Dentix platform throughout their service but does not exclude innovative autonomous providers. We will work alongside dental professionals to test the pilot with consenting patients and assist providers with patient targeted marketing material to improve user adoption.

Communication platforms will include:

- Global Events
- International Press Releases
- Sponsored Meetups
- Telegram
- Email Campaigns
- LinkedIn
- Reddit
- Twitter
- Bitcoin Chat
- LINE
- WeChat
- Kakao Talk

The key incentives for onboarding include:

Cost savings: Complete Elimination of EHR costs. Dentix does not have a fee for use of its platform for dentist nor their patients. Over a period of time this monthly recurring expense reduction become quite substantial.

Increased revenue: Access to global patients; Thanks to Dentix True View™ providers will have an increasing number of in-network patients.

Financial incentivisation: DNTX tokens will be used to support the maintenance of the platform, as well as incentivise practices to continue acting as a in-network provider.

Public relations opportunity: To be a in-network provider for Dentix and part of an international community of dental providers. An

opportunity to be a leader in the future of dental care and become involved in blockchain technology.

Conclusion

Industry specific platform (such as Dentix) could drastically reduce operating expenses, lead for dental businesses to scale, and economy to blossom. By reducing operating costs clinics will be able to improve service offerings provided to lower income segment. As DNTX coin become a naturally accepted coin within Dentix ecosystem, the value of cryptocurrency will rise, empowering Dentix community to grow.

We understand that idea behind Dentix platform is new, but it's also inevitable. Dentix solution is an obvious solution to the problems of the dental industry and it's just the matter of time until dental practices worldwide implement DNTX and collect the benefits.

Get In touch!

Website: <https://dentix.io>

Facebook: <https://facebook.com/dentixglobal/>

Twitter: <https://twitter.com/dentixglobal>

Telegram: <https://t.me/dentixglobal>

or just send us an email: hello@dentix.io

Revision History

Version	Date	Revision Notes
1.0.0	Jan 11, 2018	Initial Draft Version
1.0.1	Jan 11, 2018	Changes to Mobile Application Development
1.0.2	Jan 13, 2018	Addition of Token Structure
1.0.3	Jan 21, 2018	Addition of Marketing Strategy
1.0.4	Jan 22, 2018	Revised letter from CEO
1.0.5	Jan 23, 2018	Added Bounty Program
1.0.6	Jan 24, 2018	Added Bounty Program Link
1.0.7	Jan 30, 2018	Corrected Pre-Sale Start Date
1.0.8	Feb 2, 2018	Added SmartContract Github Link