USERVICE

Global Decentralized Blockchain Platform For Automotive Industry

WWW.USRV.IO

Warning

The **Uservice** Project on **token sale** is a free fund raising operation. The customers have a lot of risks connected with this. In particular they risk losing all investments used to purchase the tokens issued by the company. The pre-qualified participants are exceptionally those who were informed about such risks. In addition the project portfolio excludes specific category of potential participants including customers (according to European Directive No°2011/83/UE), "USA residents" (according to "Regulation S" of United States Securities Act, 1933) and citizens of Canada, Singapore and Korea.

Introduction

Uservice Project is a Decentralized Online Platform based on the Ethereum blockchain which will use smart-contract. **Ethereum** technology allows registering any deals and operations with automobiles on a distributed contract basis like Blockchain without using standard legal procedures. All operations with cars will be clear, controllable and safe.

Uservice System is intended not only for registering operations and deals between drivers and car service stations. It represents a basis of a brand new ecosystem which consists of driver service, statistical data compilation and analysis, and creation of new business processes in automotive industry. For example, drivers, dealers, insurance companies, car service stations, auto groups and digital solution providers can connect to the System and offer their services, which will increase blockchain value.

www.Uremont.com is a basic product of Uservice Team and is ready-to-use IT platform for collecting, analyzing and building the rating system and for identifying car service stations.

www.uremont.com raised investments for 10,000,000 US dollars, was tested and won the competitive struggle on seed markets and became the most significant aggregator of car service stations in Europe, and currently it is ready to be scaled globally and to explode its global market share.

www.Uremont.com will be the basis for the new **Uservice** Blockchain Platform.

Uservice Team is concerned about the grade of environment pollution resulted by industrial productions as well as progressing growth of hazardous substances impact from vehicle operation and service.

In due course, the Uservice Project is expected to be presented in the majority of countries and we will monitor our partners' activities and create all the necessary functionality to provide appropriate recycle of automotive waste products according to European standards.
In order to achieve these goals we consult our project details with **WWF** organization.

UST Token

By incorporating an internal **UST** token into our ecosystem we created the mechanism of the community participants' cooperation under the common platform rules.

Token Rate

UST tokens will be issued in a selected number during token sale. We expect that the number of participants in our platform will be growing, and as a result we will have **UST** token cost increase (because **UST** token uses disinflation model to work).

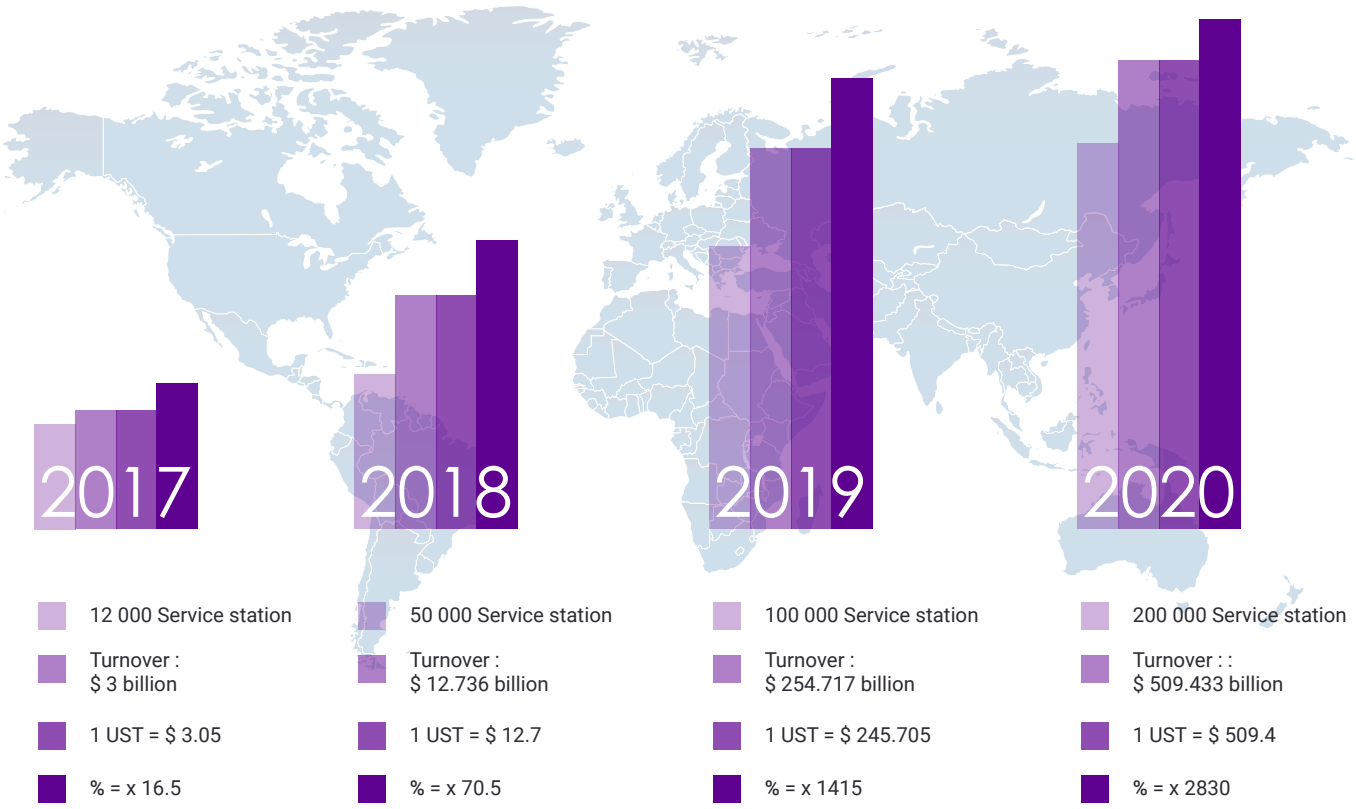
UST tokens will allow you to:

1. Make payments inside **Uservice** community
2. Exchange **UST** tokens into **USX** tokens (for details please see **"USX Token"**)

UST token will be used inside Uservice ecosystem. The cooperation between the community participants inside our platform will be based on this token usage.

UST Token growth forecast

(Based on the economic calculation of the project Uremont)



2017	2018	2019	2020
12 000 Service station	50 000 Service station	100 000 Service station	200 000 Service station
Turnover : $ 3 billion	Turnover : $ 12.736 billion	Turnover : $ 254.717 billion	Turnover : : $ 509.433 billion
1 UST = $ 3.05	1 UST = $ 12.7	1 UST = $ 245.705	1 UST = $ 509.4
% = x 16.5	% = x 70.5	% = x 1415	% = x 2830

Examples of UST token usage

Who can use UST tokens:

1. Drivers
2. Portal partners (car service stations, spare parts supplier, car parks, logistics companies, insurance companies, taxi companies, lease companies, carsharing services, vehicle recovery services, car manufacturers, car dealers and banks).

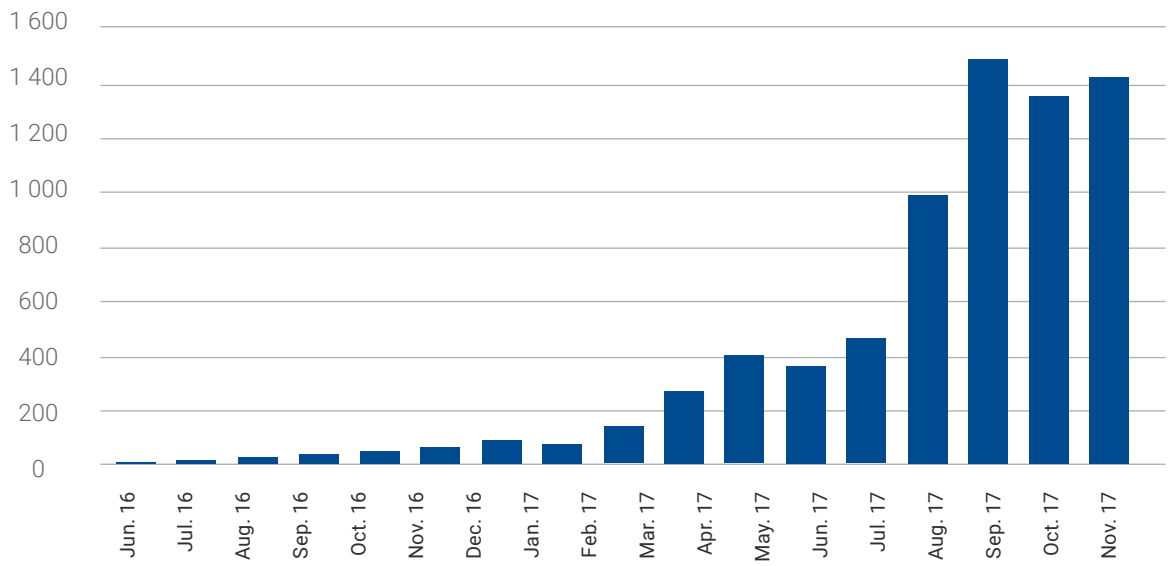
Token usage options:

1. Making payments for partners' services
2. Service payments made by portal partners (access fee, access to clients' requests, platform registration)
3. Receiving car records
4. Checking whether spare parts are original or not
5. Purchasing analytic information based on bigdata-platform
6. Purchasing media placement in platform

Examples of using the UST tokens on the already existy Uremont platform, which became the basis for the Uservice platform

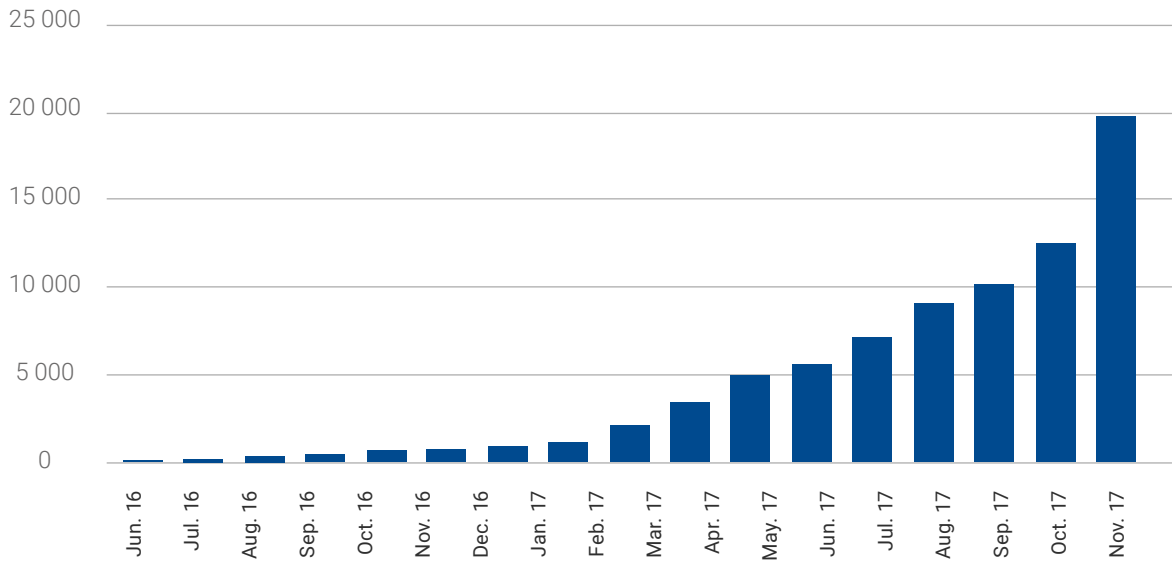
Traffic | Repair | Prices | Advertisement

Uremont.com website traffic
(thousands of people)



Traffic | Repair | Prices | Advertisement

Number of repairs



Traffic | Repair | Prices | Advertisement

Uremont.com Prices

(payments are accepted with UST rate of 1 UST = 1 USD)

Rate
100 free minutes

Paid response to the client's application — 1 UST

The fee is changed at the expiration of 100 minutes after the application is received.

Number of responses is not limited

Subscription fee is 33 UST per month

Rate
10%

Free responses to client's application

The fee is charged only if the client chose your service for the repair. Rate: 10% from the repair cost according to the estimate in response to the client's application

Number of responses is not limited

Deposit without the limitation of the term of e[penditure - 166 UST

Rate
Pro

Free responses to client's application

Unlimited responses

Subscription fee - 166 UST

No external advertisements on your service page

No similar auto service centers on your service page

Photo and video of your service, editing the commercial video to upload on the page of auto service centers

Traffic | Repair | Prices | Advertisement

Advertisement on Uremont.com
(payments are accepted with USD rate of 1 UST = 1 USD)

Advertisement

Advertisement Options	Targeted Audience	Duration	Rotation	Advertisement Cost
Homepage Advertisement	from 1 500 000	1 month	No	5 000 UST
Header Advertisement	from 1 500 000	1 month	No	2 500 UST
Footer Advertisement	from 1 500 000	1 month	No	1 666 UST
Complex Advertisement	from 1 500 000	1 month	No	8 333 UST

USX Token

We will launch another token (**USX)** in **2019**. It will be available for purchase using **UST** tokens inside our platform. Using all the necessary procedures we will validate this token as a security of **Uservice** Company.

In **2020 Uservice** Company will perform **IPO** when U**SX** token holders can become real co-owners of **Uservice**. The **USX** token holders will be provided with 20% of share in **Uservice** Company.

USX token will be created only under favorable legal terms for its legitimate acceptance as a crypto-value security in **Uservice** Company seat of business jurisdiction.

Token exchange

* **UST** and **USX** token exchange will take place inside **Uservice** platform at any time with no fee charged.
* **UST** token can be sold/purchased on the major crypto-currency exchanges

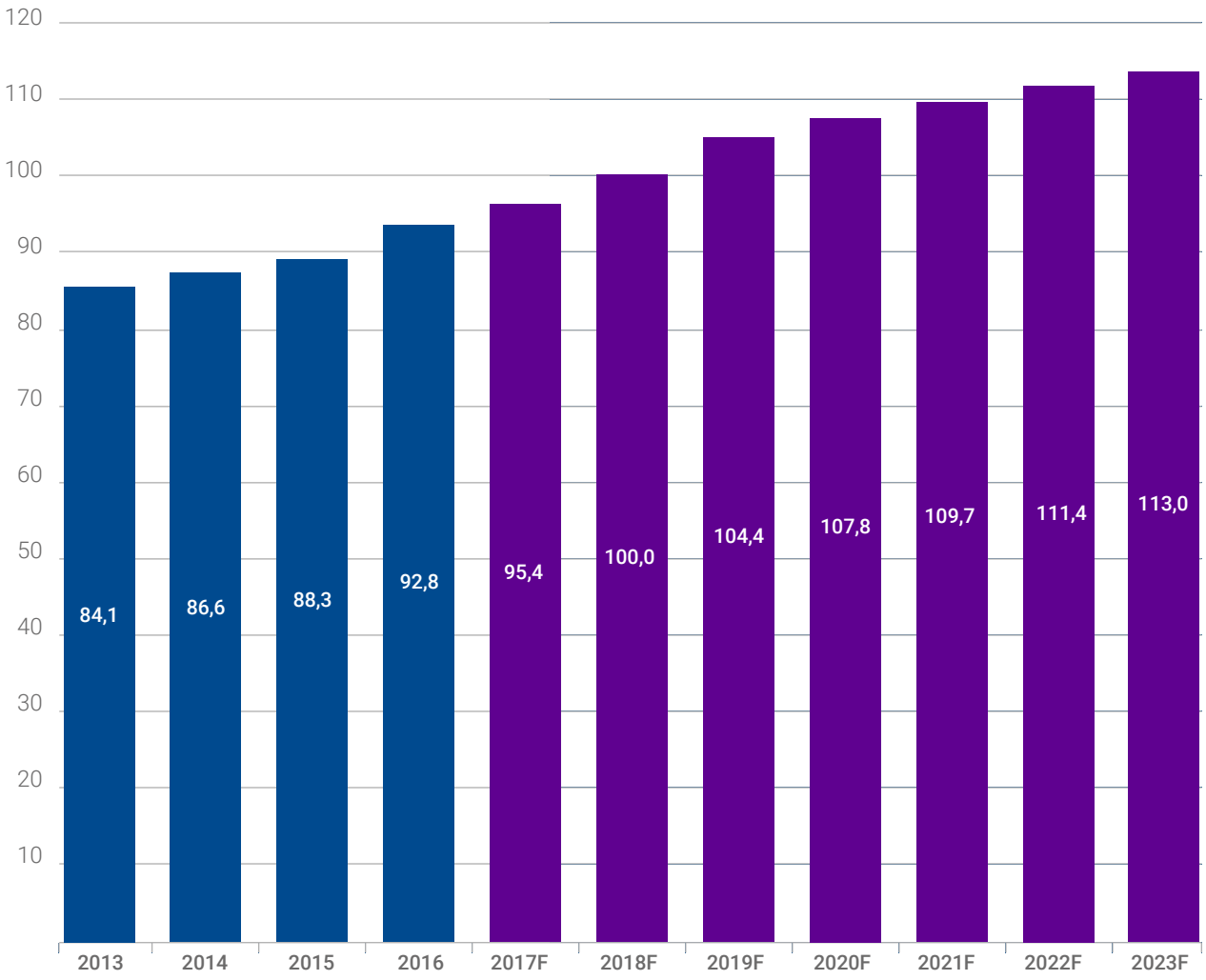
Market

Automotive industry is one of the largest industries in the world.

Statistics

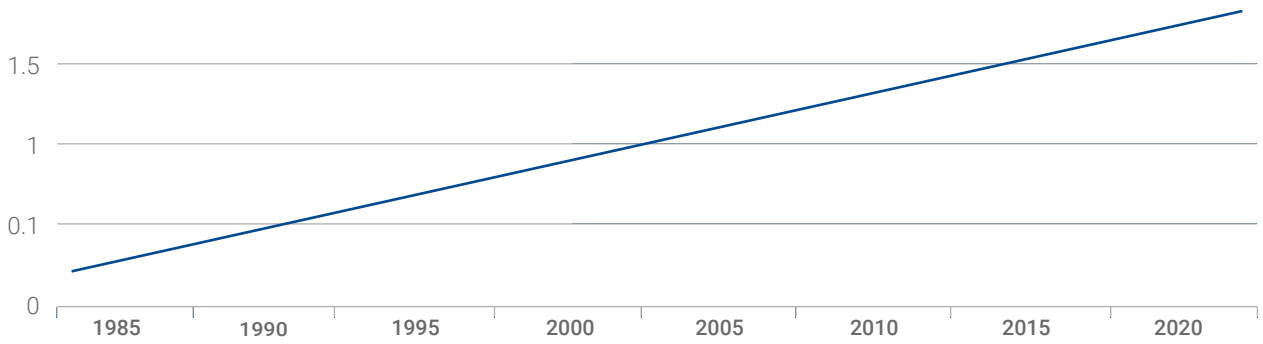
Global Light Vehicle Assembly

2013 - 2023F (millions)



2013 - 2023F (millions)

* “Global car sales” according to **Autofacts®: PwC 2017**



Number of cars in the world (in billions)

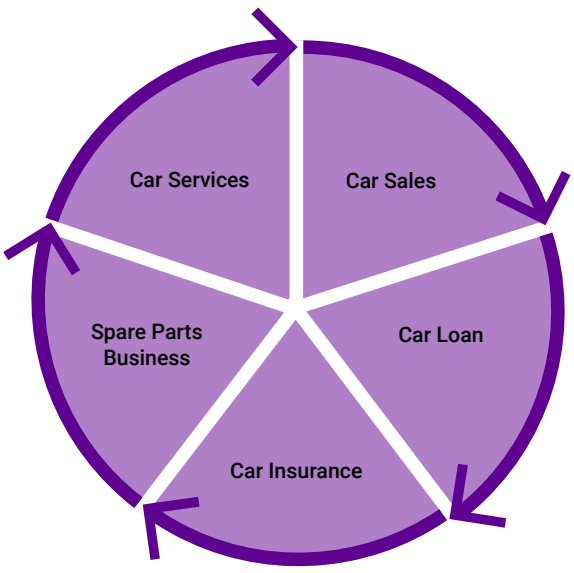
* According to Wards Auto Company research there were more than 980 million cars in the world in 2010.

According to the information provided by **LMC Automotive** consulting company there were 93 million new cars sold in the world during 2016.

According to **LeasePlan** company research car owning cost in variuos countries varies from **364 euro to 708 euro** per month.

The significant part of car expanses refers to repair costs.

When drivers, car service stations, insurance companies, banks, state monitors and car manufacturer plants are connected to Uservice Platform we will become a total market of “complete car life cycle”.



Thus **Uservice** total market equals to 2,7 billion US dollars.

Estimation from total market

Countries	Number of vehicles
USA	397 mln
Europe	250 mln
Russia	56 mln
China	200 mln
United Arab Emirates, Saudi Arabia	10 mln
Japan	80 mln
India	22 mln
Canada	20 mln
South Korea	22 mln
Total number of vehicles in use	1 057 mln
Market rough estimate	2 702 bln $

Branch-wise market organization

Car sales	946	bln $
Car loan	630	bln $
Car insurance	571	bln $
Spare parts business	391	bln $
Car services	164	bln $
	2 702 bln $	

For the moment the **IT solutions** penetration in automotive industry does not exceed 10%. We believe that this industry is about to explode in **IT solutions** and we want to become the Leaders in this growth.

Further growth will depend on the global automobilization speed.

Entry points

The **Uservice** strategy of global market coverage starts with the most comfortable entry points. This way business start, testing and the beginning of global service deployment commence in the most preferential region with minimal costs and maximally quick growth potential. Among the criteria for choosing the countries were market potential and organization, legislative aspects, mobile communication penetration and other conditions.

Initially we chose markets of Eastern Europe, Asia, America and Middle East as the entry points and global service deployment. Operational activity and work under full potential has already been launched in Eastern Europe, where www.uremont.com platform has become the most significant car service aggregator.

Map: entry points

Agenda

No Transparency Between Market Participants

This problem was explained by George Akerlof, economist and the Nobel prizewinner, who published his scientific research “The Market for Lemons: Quality Uncertainty and the Market Mechanism”. The author described the work processes of marketplaces, where one side of a deal, either seller or buyer, knows about the product more than another. He called this “information asymmetry markets”. Used car market can serve as an example. When selling his/her car the seller possesses more information about the vehicle. For this reason buyer is afraid of being scammed and wants to minimize possible risks. Buyers cannot distinguish between high-quality and low-quality cars, so that is why they try to spend less money when buying a car. As a result an average price of a car becomes lower. Because of a low average price the majority of cars being sold are of low quality. This results in a situation when sellers of high-quality cars leave the market.

The **Uservice** Platform will solve this problem by providing both sides of a deal with the same level of information about the market situation in general and about specific deals in particular.

Disorganized Market of Car Services

Unlike **Uber** on taxi services marketplace, car services market is not automated globally yet. The majority of car service stations work as they used to: human factor plays the most significant role. There is one and the same scenario in every city: you have to spend your precious time analyzing car service stations while searching for the most satisfying options.

We created **Uservice** in order to change this approach.

No Mobile Solutions

Today people strive to save their time. That is why they try using mobile applications in all situations. In this light **Uber** is a global standard. We see our task in creating a product which can provide a driver with all functional options during the entire period of car owning.

Inadequate Data Analysis

Information is gold worthy. This formula was stated in an annual report devoted to the increased digitalization and automation in automotive industry by **KMPG (LINK)** Audit Agency, Switzerland. In deed modern cars can be called “Information Generators”. Vehicles are equipped with a lot of sensors, detectors, monitors and cameras which are constantly collecting and analyzing information. This information can represent car location, details damage and wear degree, internal breakdowns, etc. Car manufacturers, insurance companies, banks, etc. can gain a lot of benefits from such data. **Uservice** will improve efficiency of collecting and analyzing **bigdata** in automotive industry

Payments Security

Using the organized system of payments to the service makers in any city of the world which is connected to the system, the application equipped with the decentralized **blockchain** technology allows making a secured payment with complete fulfillment of the obligations guaranteed.

Spare Parts and Accessories: Search, Pricing and Delivery

Many drivers prefer buying spare parts or accessories by themselves. However it is quite often that the driver experiences certain problems selecting the correct parts for his/her car depending on modification and year of manufacture.

With **Uservice** drivers can find the required spare parts under the best price, choose the most convenient delivery option, make order and complete purchase easily and quickly! It is safe and trustworthy! According to this approach, **Uservice** registered car service station or retail/wholesale seller can be the supplier. Buyer may effect the payment using his/her tokens.

No Transparent and Clear Rating System Based On Customer Satisfaction Feedbacks

Uservice Platform will contain rating of community participants based on customer feedbacks. The blockchain will give the participants their opportunity to check steps of rating formation which makes this process most precise and impartial.

Solution

The **Uservice** Platform solves the above problems through the single Global Blockchain Platform, which associates drivers, dealers, insurance companies, car service stations, auto groups and part distributors. By connecting to our platform they obtain the opportunity to cooperate, thereby increasing the transparency and efficiency of their business processes.

Category of Ecosystem Participant	Contribution	Gain
Associations of Motor Insurers	Road accident statistics according to the brand, model and VIN The status of the motor third-party insurance	Information concerning the insurance companies
Insurance company	Unique offers to drivers based on tracking information and model statistics	Anonymized road accident statistics Tracking information concerning cars for marketing purposes and complaint management Certificate of insurance sell
Transport Telematics Operator	Tracking information	The possibility of interaction with other platform members
The developer of the Traffic Monitoring Systems	Integration with Uservice	The possibility of getting more detailed analytic data
Driver	Application for car repair and spare parts purchase Service quality information Complaints against insurance companies Tracking information	Best repair offer Insurance offer Discounts and bonuses from other ecosystem members Complete information concerning the contractor who provides repair services, which is generated through the rating system Vehicle details when the car is being sold or purchased
Car service station	Price-list Payment for advertising Spare part orders Payments for platform internal services (registration, access fee)	Using UST tokens car service stations will be able to pay Uservice services, access the customer flow through our Blockchain Platform and mobile applications. Moreover they will be able to use their own web-page with a car maintenance history and customer feedbacks. Assigning the ecological rating performing appropriate waste products recycle
Advertising customer	Payment for advertising	Potential customers

Category of Ecosystem Participant	Contribution	Gain
Drivers communities	Incoming data traffic	Extra data traffic covered by club discounts
Spare Parts Suppliers	Spare parts availability information Deals information Spare parts costs information Information concerning manufacture history and identification of spare parts	Potential customers Analytics
Car dealers	Cars availability information Promotions information Deals information	Potential customers Analytics
Car manuafacturer	Complete information concerning brand and model, including VIN and configuration	Data reports covering the entire period of car operation Analytics History reports of car operation
Car park owners (logistics companies, lease companies, carsharing services, taxi companies, vehicle recovery services)	Spare parts procurement information Searching for a car service station to r epair vehicle Complaints against insurance companies Payments for platform internal services Payment for advertising	Potential customers Best repair offer Insurance offer Discounts and bonuses from other participants Complete information concerning the contractor who provides repair services Contractor information based on rating system Complete information concerning the history of operations when the car is being sold or purchased Analytic information based on bigdata-platform

Eventually the platform will combine the marketplace participants of waterborne and air transport.

The **Uservice** Platform applies **blockchain** technology based on **Ethereum** smart-contract. **Blockchain** provides total operating activity awareness of company.

The entire program interface is being developed to integrate feasible business processes into our platform.

Blockchain technology will provide an opportunity to store and analyse large volumes of data, as well as to create clear and open history of car operations.

Based on our successful www.uremont.com product and the **blockchain** technology, the new **Uservice** Platform will make life of its participants easier, more convenient and safe.

We create new standards of cooperation in automotive industry

From the manufacturer to the car owner - the Uservice system will get rid of counterfeit products in the spare parts market.

The main goal of the Uservice platform is to solve all the issues that the car owners face, while using the car. Naturally, one of the most important directions of the project development is the supply and purchase of spare parts. As in many other industries, when buying parts, there is a great risk of purchasing an unauthentic spare part, which is very difficult to distinguish from the original. The car is an expensive purchase, the prices for the spare parts are also quite high, and that's why the industry of producing copies and substitutes for spare parts in this area is very developed.

What makes the spare parts market different is the difficulty of evaluation due to the high proportion of counterfeit products.

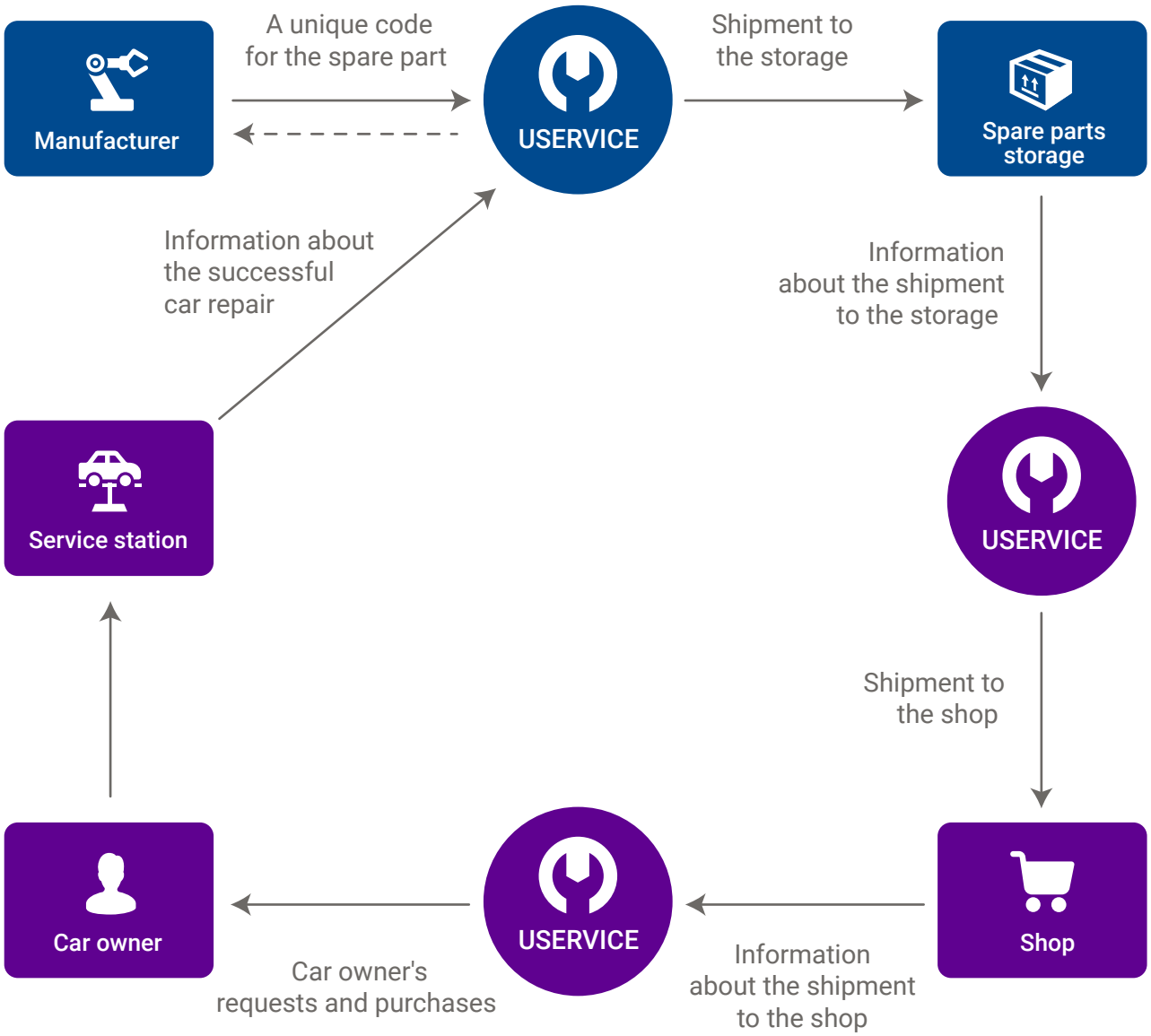
A large part of the market is made of counterfeit products, as well as unauthentic parts produced without a license - their number in the total volume, according to experts, is about 70%. The volume of counterfeit parts is only about one third of the market volume. These are consumables and inexpensive parts - brake pads, filters, oils and suspension parts.

The problem of checking every spare part and guaranteed confirmation of its originality, can be solved by using a blockchain. Individual identifier, all the information about the operations and movements of each part can be recorded in one system, automatically. Moreover, they will be preserved and protected based on the logic of building a decentralized model for the transmission and storage of information.

As a result, when you are buying an oil filter from the Mercedes, you no longer wonder - is it actually produced in a Mercedes factory, or is it just a fake, that you can't distinguish from an authentic spare part.

Uservice blockchain will give each detail a unique code and trace its path from the manufacturer to the car owner. The system will confirm the authenticity of every detail, check on which car it is installed in and how much it has served.

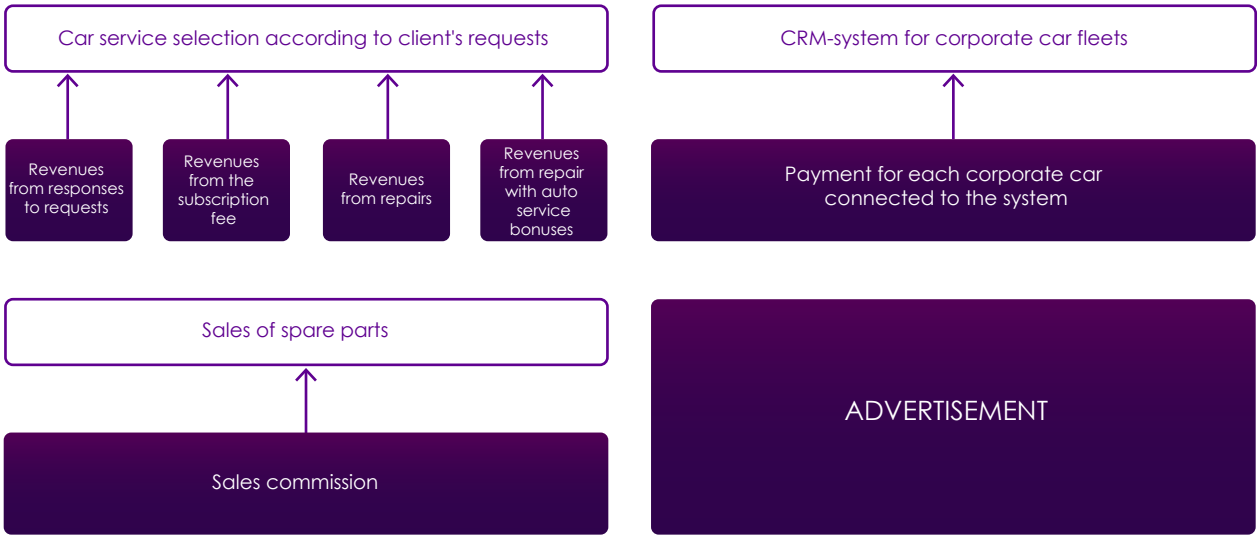
The system will also take into account the number of transactions and set the extra charge on each spare part.


Manufacturer
A unique code for the spare part
USERVICE
Shipment to the storage
Spare parts storage
Information about the successful car repair
Information about the shipment to the storage
Service station
USERVICE
Shipment to the shop
Car owner
USERVICE
Shop
Car owner's requests and purchases
Information about the shipment to the shop

Monetization Model

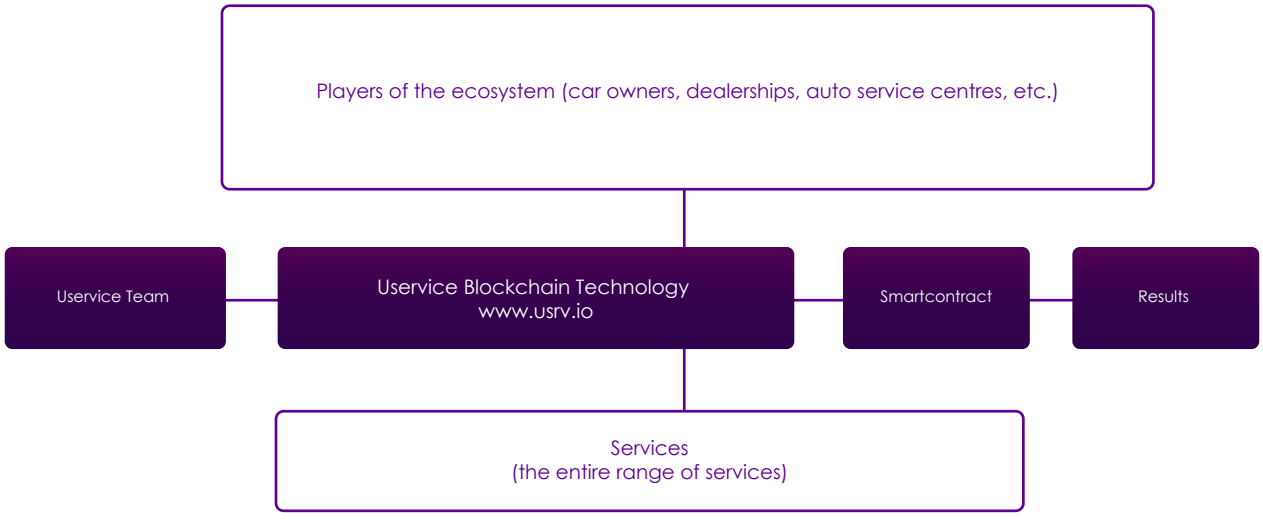
The Monetization Model of the Project is completely intelligible.

Current Uremont Business Model



The commission level is calculated on the basis of charging zones, which characteristics are determined through marketing researches in a particular region and are unified within each specific region, which makes it possible for the customers to always be sure that they receive a service at the most favorable price.

The funds raised during the token sale and the blockchain technology itself will give the opportunity to significantly expand the ways of product monetizing by involving various participants of the automotive industry in our ecosystem community.



Token sale

The Key Differences of Our Token Sale

1. The Uservice Project is being built up based on the existing business

According to our data about 80% of all **token sale** are just concepts which can never be realized. Only 20% of the startups which began **token sale** campaigns are able to present the actual product to customers. Investing in startups which are not enforced with the existing solutions is a highly risky venture.

The **Uservice** is being built up based on the existing www.uremont.com project, which demonstrates highly dynamic marketing expansion. Therefore **Uservice** is committed to provide our community and its participants with the most favorable terms for cooperation and profit earning as a part of its financial policy.

2. Large Investors Have Trust In Us

Nakamoto Capital investment fund, a number of cryptocurrency exchanges and other institutional investors have expressed their consent to begin investing in our Project during the token sale phase.

The Token Sale Process

During token sale **UST** tokens will be available at fixed rate. We expect to issue 1,000,000,000 **UST** tokens in total. 56% of them will be available for sale during the **token sale,** and 4% will be sold during the **Pre-Sale**.

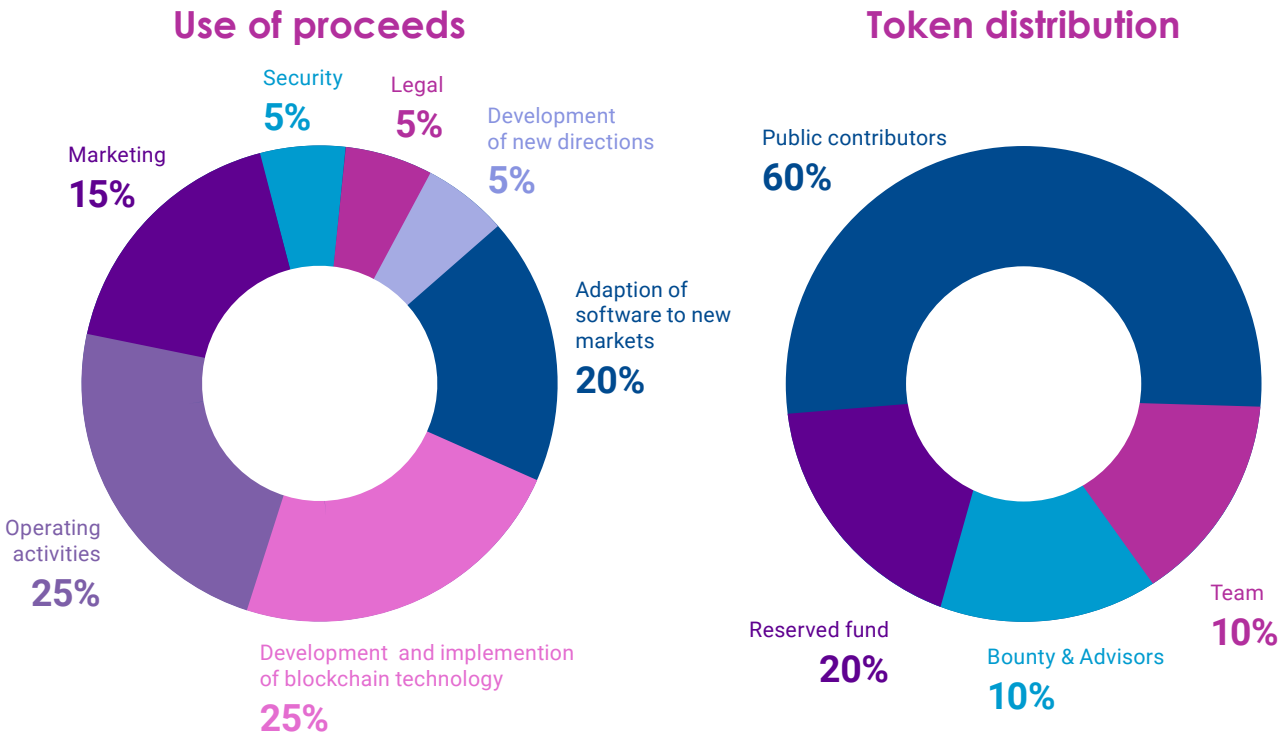
Out of the remaining 40% of tokens, 10% will be shared between the team members, 20% of tokens will be used to support platform operation, and the remaining 10% will be distributed between our advisers and participants of our Bounty program.

UST token is based on the **Ethereum** Platform and the ERC20 Token Standard Interface.

ERC 20 Interface allows every token sale participant to use any Ethereum Client (eg. Mist or MyEtherWallet)

Objectives

The main objective of the token sale is to raise some funds to pay off all costs associated with the creation of the **Uservice** Decentralized Blockchain Platform. The following diagram demonstrates our plans concerning the distribution of the raised funds.



The Token Sale Passport

Presale
Starts 20 November 2017 at 12:00 UTC
End 17th December 2017 at 12:00 UTC
During the Pre-Sale the discount of 50% will be applied

Token sale
Starts 18 December 2017 at 12:00 UTC
End 1 February 2018 at 12:00 UTC

Use of proceeds
75% Development
15% Marketing
5% Legal
5% Security

Token distribution
60% Public contributors
20% Reserve fund
10% Team
10% Bounty & Advisors

Role of token
Enable to trade of data between Uservice and buyers

Symbol
UST

Minimum goal
3000 ETH

Maximum goal
300.000 ETH

Supply
1.000.000.000 UST

For Sale
600.000.000 UST

Emission Rate
No new UST tokens will be created

Price
1 UST = 0.0005 ETH

Accepted Currencies
Pre - Sale – ETH
Token sale - ETH

Token distribution date
10 February 2018

Road map

2016

- Creating the concept of the www.uremont.com project.
- All stages of the project were completed (from prototype to alpha- and beta-versions of the service).
- Launch of the www.uremont.com project on the Eastern-European market

1Q- 2Q 2017

- Successful Growth
- **Uremont** is the largest aggregator of the car service stations on the initial market
- The **Uservice** idea has come up

3Q 2017

- The platform support (load-testing in new regions)
- Expanding charging zone bases for the newly connected cities in each country

4Q 2017

- **Pre-Sale** and **Token sale** period
- Expanding initial market penetrations
- Continuing preparation of infrastructure for launching the operations in North America and Asia.

2018

- Blockchain technology implementation
- Massive initial market promotion (Asia, North America, Europe, and Middle East)
- Platform support
- System scaling
- The partners for quick connection in the USA, China, and UAE are chosen

2019

- New functions implementation
- **USX** token emission

2020

- Dominance on the target markets
- **IPO Uservice**

How will the collected funds be used to:

$20 million:

- Develop Uservice,get access to the CIS market.
- Open offices in major cities.
- Organize the technical support.
- Attract partners.
- Advertising campaign

$50 million:

- Enter the markets of North America and Europe.
- Open offices in major cities.
- Expand the partner network.
- Organize a multilingual technical support.
- Expand the programmers team.
- Launch regional advertising campaigns.

$70 million:

- Enter the markets of Asia and the Middle East.
- Open offices in major cities.
- Expand the partner network.
- Organize a multilingual technical support.
- Launch regional advertising campaigns.
- Expand staff of programmers and marketing department.

$100 million:

- Access to other major markets.
- Open offices in major cities.
- Expand the partner network.
- Organize a multilingual technical support.
- Launch regional advertising campaigns.
- Increase costs for marketing and advertising.
- Expand staff of specialists of different profiles.

Risks

Key project risks (high level)	Description of the risk and suggested Risk Management Measures
Risk of project underfunding	Non-compliance with project deadlines. Failure to achieve the project targets. **Measures:** Costs optimization, additional funds raising by the project executor и contributors
Risk of uncoordinated actions	Lack of coordinated efforts when carrying out the project related events can result in non-optimal spending of the financial resources, timing budgets and other resources. **Measures:** Single project executor is assigned, who is responsible for the entire project.
Reputation risk (risk to lose good will)	Decreasing the confidence level of company (organization, brand). **Measures:** Maintaining the set level of the transparency. Fast response to the emerging external threats. Quality control at the early stages of the project
Risk to have no support from drivers and project partners	The business model is tested. The project received favorable customer feedbacks. More than 30% of drivers file repeated applications for car repairs, 95% of drivers provide positive feedbacks about using the platform.
Team risks	Uncoordinated actions of independent developer teams at parallel stages and unsuccessful efforts coordination when achieving a common goal of the project. **Measures:** Single project team, creation of the project flow chart, and control over the possibility of combining the results of their activities into a single technology based on the results of the whole project.
Technology risks	Risks applying unproven technologies and techniques, and non-compliance with established regulations and codes. **Measures:** Creation of the project flow chart, involving the external adviser. Using only those technologies which are actually proven to work successfully.

Data sheet

Version 0.6
UST Token

Smart contract address: https://github.com/devuservice/TokenSale
Token launch: Nov-21-2017 17:39:45

Uservice is created on the basis of ETH blockchain, according to the ERC-20 specification.

The total number of tokens is limited to 1 billion tokens.

Tokens are nominal and are minted address, i.e. at any moment of time, the token has an owner (investor's wallet). Tokens are public and fully comply with the ERC 20 standard.

The UST Tokens were generated by publishing on the ETH blockchain network, the name of the contract ManagedToken, on the compiler version v0.4.16 + commit.d7661dd9.
All tokens remaining after this phase of the project will be destroyed.
Ethereum is a public computing blockchain platform with an open source code, with the functionality of smart contracts (scripts). It provides a decentralized virtual Turing machine, an Ethereum virtual machine (EVM) that can run scripts using an international network of public nodes. Ethereum also provides a crypto-token called "ether", which can be transferred between accounts and used to compensate participating nodes for the calculations performed. "Gas", the internal mechanism of transaction pricing, is used to reduce the amount of spam and resource allocation in the network.

Funds safety

The platform employees do not have access to users' wallets, including wallets with tokens. Funds collected by campaigns and located on their unique walltes are controlled automatically by the platform.

During the ICO, before transferring funds to wallets, users manage tokens in their wallets in their usrv.io accounts.

To ensure security, double confirmation of possession of wallets is used.

Generation and emission of Uservice are also carried out automatically and only after confirmation of receipt of funds on the unique campaign wallets from backers, be it ETH or BTC.

User Security

Only owners of the wallets have the access to their wallets. Passwords to accounts are not saved on the website, for a fast login, hashing is used. Users can both store passwords for their wallets on the platform, or delete them for security reasons. In this case, with each transfer of funds, the user must enter the password from his wallet, which is not saved on the Uservice platform.

Links to user profiles in social networks, emails and other contact details are shown only to the owners of accounts and are not visible to other users.

Only moderators of the platform and the top developers have access to links to user profiles, as well as access to their contact information. Moderators do not have access to user wallets, their identifiers or passwords.

Privacy

Transactions made by users are recorded in the system and encrypted. User wallets are also encrypted on the platform and any association with player profiles is maximally leveled. Any connection of wallets with users of the platform (except for authors) is not available to anyone except the developers of the Uservice platform. This is necessary to resolve disputes or respond to user questions in case they arise.

In order to ensure the safety of backers and investors, authors who raise funds on the Uservice platform must be public and provide backers with information about themselves. While the campaign, of which he is an author, is active, they can't enable anonymous mode. After the campaign is completed, the author can enable anonymous mode, but in completed (including canceled) campaigns, the public information of the authors, which was specified at the time of the launch of the campaign, will be displayed.

All personal data of users, including passwords, emails and all identifiers of wallets, are encrypted. This protects Uservice users from hacking or leaking information. Even in the worst scenario, user data, passwords and wallets will remain safe, and no access or money transfers from them can be made.

System Architecture Overview

As shown below, the Uservice project consists of 3 layers of software, responsible for different aspects:

Ethereum Network

Network Infrastructure
Data Persistence Level
Check/execution of contract logic
Executing Transactions

Smart contract in Uservice

Token launch algorithm
Account balance database
Transaction rules

Wallet software

1. The user interface
2. Business logic for the token users
3. Create a transaction

Network Interaction Model

The Ethereum network provides an environment for interaction between companies and users in the ecosystem of Uremont / Uservice. The parties interact by sending transactions to the Uservice contract. All transactions are checked by the business logic of the contract and are saved on the blockchain. The contract API is open to everyone on the Internet, and anyone can become a user of the Uservice token.

```
pragma solidity ^0.4.16;

library SafeMath {
  function mul(uint256 a, uint256 b) internal constant returns (uint256) {
    uint256 c = a * b;
    assert(a == 0 || c / a == b);
    return c;
  }

  function div(uint256 a, uint256 b) internal constant returns (uint256) {
    uint256 c = a / b;
    return c;
  }

  function sub(uint256 a, uint256 b) internal constant returns (uint256) {
    assert(b <= a);
    return a - b;
  }

  function add(uint256 a, uint256 b) internal constant returns (uint256) {
    uint256 c = a + b;
    assert(c >= a);
    return c;
  }
}

interface TokenUpgraderInterface{
    function hasUpgraded(address _for) public view returns (bool alreadyUpgraded);
    function upgradeFor(address _for, uint256 _value) public returns (bool success);
}

contract ManagedToken {
    using SafeMath for uint256;


    address public owner = msg.sender;
    address public crowdsaleContractAddress;
    address public crowdsaleManager;

    string public name;
    string public symbol;
```

```
    bool public upgradable = false;
    bool public upgraderSet = false;
    TokenUpgraderInterface public upgrader;

    bool public locked = true;

    uint8 public decimals = 18;
    uint256 public totalSupplyLimit = 1000000000*(10**18);  //  limit supply to 1 bln tokens
    uint256 private newTotalSupply;

    modifier unlocked() {
        require(!locked);
        _;
    }

    modifier unlockedOrByManager() {
        require(!locked || (crowdsaleManager != address(0) && msg.sender ==
crowdsaleManager) || (msg.sender == owner));
        _;
    }
    // Ownership

    event OwnershipTransferred(address indexed previousOwner, address indexed
newOwner);

    modifier onlyOwner() {
        require(msg.sender == owner);
        _;
    }
modifier onlyCrowdsale() {
        require(msg.sender == crowdsaleContractAddress);
        _;
    }

    modifier ownerOrCrowdsale() {
        require(msg.sender == owner || msg.sender == crowdsaleContractAddress);
        _;
    }
```

```
    function transferOwnership(address newOwner) public onlyOwner returns (bool
success) {
        require(newOwner != address(0));
        OwnershipTransferred(owner, newOwner);
        owner = newOwner;
        return true;
    }

// ERC20 related functions

    uint256 public totalSupply = 0;

    mapping(address => uint256) balances;
    mapping (address => mapping (address => uint256)) allowed;


    event Transfer(address indexed _from, address indexed _to, uint256 _value);
    event Approval(address indexed _owner, address indexed _spender, uint256 _value);

    function transfer(address _to, uint256 _value) unlockedOrByManager public returns
(bool) {
        require(_to != address(0));
        balances[msg.sender] = balances[msg.sender].sub(_value);
        balances[_to] = balances[_to].add(_value);
        Transfer(msg.sender, _to, _value);
        return true;
    }
function balanceOf(address _owner) view public returns (uint256 balance) {
        return balances[_owner];
    }

    function transferFrom(address _from, address _to, uint256 _value) unlocked public
returns (bool) {
        require(_to != address(0));
        var _allowance = allowed[_from][msg.sender];
        balances[_from] = balances[_from].sub(_value);
        balances[_to] = balances[_to].add(_value);
        allowed[_from][msg.sender] = _allowance.sub(_value);
        Transfer(_from, _to, _value);
        return true;
    }
```

```
    function approve(address _spender, uint256 _value) unlocked public returns (bool) {
        require((_value == 0) || (allowed[msg.sender][_spender] == 0));
        allowed[msg.sender][_spender] = _value;
        Approval(msg.sender, _spender, _value);
        return true;
    }

    function allowance(address _owner, address _spender) view public returns (uint256
remaining) {
        return allowed[_owner][_spender];
    }

    function increaseApproval (address _spender, uint _addedValue) unlocked public
        returns (bool success) {
            allowed[msg.sender][_spender] = allowed[msg.sender][_spender].add(_addedValue);
            Approval(msg.sender, _spender, allowed[msg.sender][_spender]);
            return true;
    }

    function decreaseApproval (address _spender, uint _subtractedValue) unlocked public
        returns (bool success) {
            uint oldValue = allowed[msg.sender][_spender];
            if (_subtractedValue > oldValue) {
            allowed[msg.sender][_spender] = 0;
            } else {
            allowed[msg.sender][_spender] = oldValue.sub(_subtractedValue);
            }
            Approval(msg.sender, _spender, allowed[msg.sender][_spender]);
            return true;
    }
function ManagedToken (string _name, string _symbol, uint8 _decimals) public {
        require(bytes(_name).length > 1);
        require(bytes(_symbol).length > 1);
        name = _name;
        symbol = _symbol;
        decimals = _decimals;
    }
```

```
function setNameAndTicker(string _name, string _symbol) onlyOwner public returns (bool success) {
        require(bytes(_name).length > 1);
        require(bytes(_symbol).length > 1);
        name = _name;
        symbol = _symbol;
        return true;
    }

function setLock(bool _newLockState) ownerOrCrowdsale public returns (bool success) {
        require(_newLockState != locked);
        locked = _newLockState;
        return true;
    }

    function setCrowdsale(address _newCrowdsale) onlyOwner public returns (bool success) {
        crowdsaleContractAddress = _newCrowdsale;
        return true;
    }

    function setManager(address _newManager) onlyOwner public returns (bool success) {
        crowdsaleManager = _newManager;
        return true;
    }

    function mint(address _for, uint256 _amount) onlyCrowdsale public returns (bool success) {
        newTotalSupply = totalSupply.add(_amount);
        if (newTotalSupply > totalSupplyLimit) {
          revert();
        }
        balances[_for] = balances[_for].add(_amount);
        totalSupply = newTotalSupply;
        Transfer(0, _for, _amount);
        return true;
    }
```

```
    function demint(address _for, uint256 _amount) onlyCrowdsale public returns (bool
success) {
        balances[_for] = balances[_for].sub(_amount);
        totalSupply = totalSupply.sub(_amount);
        Transfer(_for, 0, _amount);
        return true;
    }

    function allowUpgrading(bool _newState) onlyOwner public returns (bool success) {
        upgradable = _newState;
        return true;
    }

    function setUpgrader(address _upgraderAddress) onlyOwner public returns (bool
success) {
        require(!upgraderSet);
        require(_upgraderAddress != address(0));
        upgraderSet = true;
        upgrader = TokenUpgraderInterface(_upgraderAddress);
        return true;
    }

    function upgrade() public returns (bool success) {
        require(upgradable);
        require(upgraderSet);
        require(upgrader != TokenUpgraderInterface(0));
        require(!upgrader.hasUpgraded(msg.sender));
        uint256 value = balances[msg.sender];
        assert(value > 0);
        delete balances[msg.sender];
        totalSupply = totalSupply.sub(value);
        assert(upgrader.upgradeFor(msg.sender, value));
        return true;
    }
```

```
function upgradeFor(address _for, uint256 _value) public returns (bool success) {
        require(upgradable);
        require(upgraderSet);
        require(upgrader != TokenUpgraderInterface(0));
        var _allowance = allowed[_for][msg.sender];
        assert(_allowance > 0);
        balances[_for] = balances[_for].sub(_value);
        allowed[_for][msg.sender] = _allowance.sub(_value);
        totalSupply = totalSupply.sub(_value);
        assert(upgrader.upgradeFor(_for, _value));
        return true;
    }
    function () external {
        if (upgradable) {
            assert(upgrade());
            return;
        }
        revert();
    }

}
```

Speaker

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of the NHL Club,
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Project Director
of Environmental Politics
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Stan Milc
Today he is a business partner
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Greg worked in the
field of medicine, law,
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Team

Uservice project is launched by a team who produced a successful platform www.uremont.com

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СТРАХОВАЯ КОМПАНИЯ мегарусс-д
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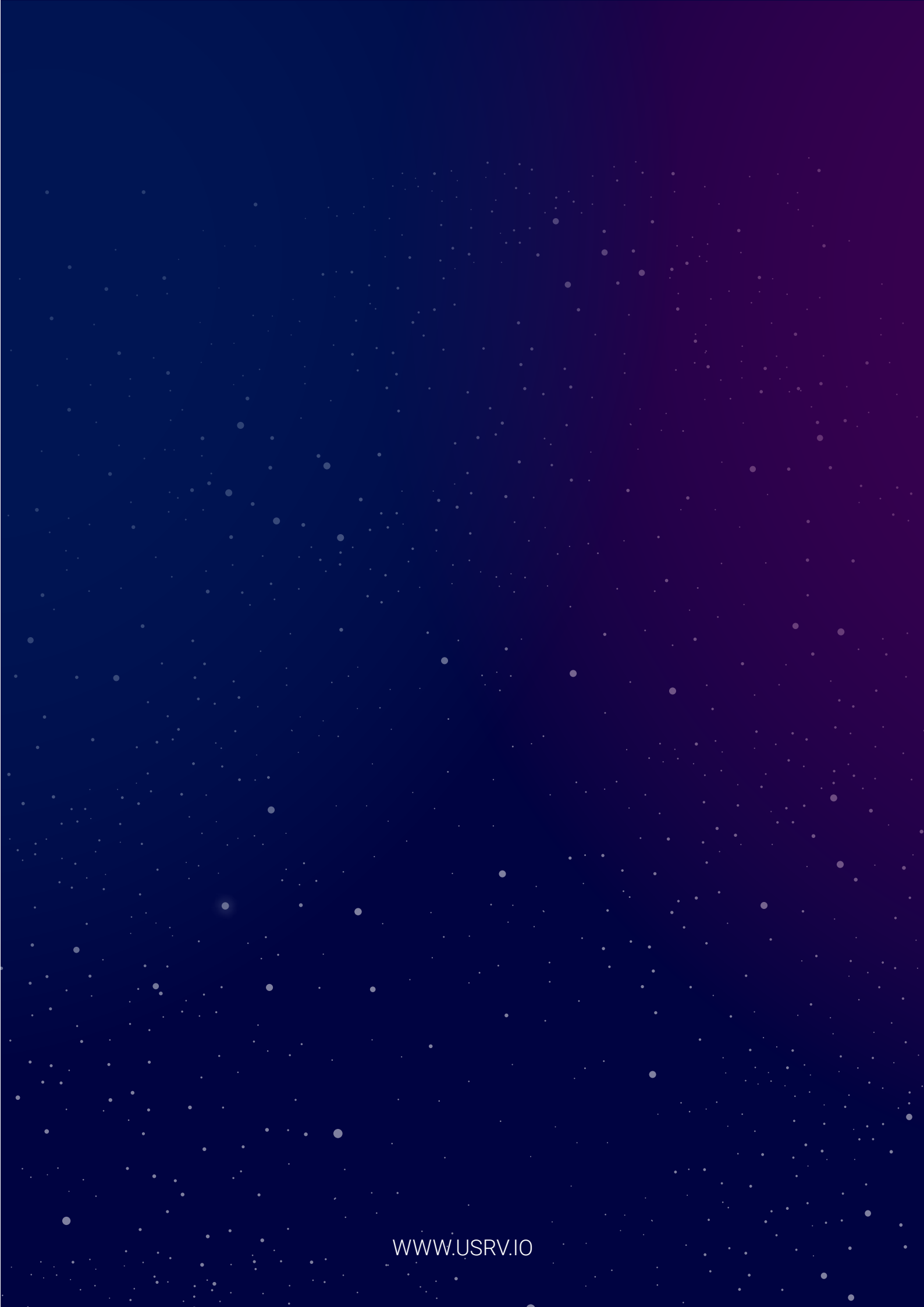
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