

ERC20 Funds

This document contains the required high level elements to produce a fully compatible ERC20 autonomous investment funds based on Ethereum blockchain technology.

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Roadmap

Chronological order the development milestones of the platform

- 1. Landing page**
- 2. White paper**
- 3. Website**
- 4. Smart Contract**
- 5. ICO**
- 6. Platform**
- 7. Manager**
- 8. Admin**

Project scope

Detailed list of the project deliverables

A. White paper

Document with in-depth technical description of the platform.

- **Content**
 - **Background**
 - **Requirements**
 - **Entities**
 - **Accounts**
 - **Deposits**
 - **Balances**
 - **Payouts**
 - **Token model**
 - **Scripts**
 - **Conclusion**

B.Branding

Product development

- **Product Name**
- **Design Guidelines**
- **Marketing Material**
- **Emails Signature**
- **Press Kit**

C.Website

Website development

- **Pages**

- **Team**
- **Whitepaper**
- **Roadmap**
- **Announcements**
- **FAQ**
- **ICO**
 - **Rules**
 - **Benefits of participation**
 - **Token pricing in ETH**
 - **Confirmation / Supporter page (when we know they have supported and come back)**
 - **Stats (during and after)**
- **Platform**
 - **Tutorial**
 - **Deposit / Invest**
 - **Withdraw**
 - **Terminate**
- **Features**
 - **Mailing list**
 - **ICO countdown**
 - **Search engine optimization**
 - **Analytics tools**
 - **SEO**

D. Smart contract

Smart contract coded in Solidity

- **Token**
 - **Initial supply**
 - **Get available supply**
 - **Transfer**
- **Funds**
 - **Deposit**
 - **Transfer**
 - **Withdraw**
 - **Terminate**

- **Unit tests**
- **Contract published address**
 - **Ropsten**
 - **Mainnet**

E. Management tools

Automation scripts

- **Allocation (1st run)**
 - **Buy orders on exchange**
- **Token price calculation**
 - **Hourly calculation and storage**
 - **Tokens balances in ETH / Circulating supply**
- **Payouts**
 - **Daily payout calculation**
 - **Update balances**
- **Reallocation**
 - **Buy/Sell orders on exchange**
- **Deposit**
 - **Buy orders on exchange**
- **Termination**
 - **Sell orders on exchange**
 - **Burn ERC20Funds tokens**
- **Reprocess queue rejected transactions**

F. Release management

Testing and deploying software releases

- **Build automation**
- **Continuous deployment**
- **Quality Assurance**
- **Test set**
- **Frontend**
- **Backend**

G. Videos

Promotional videos to expose the platform to the public

- **Project overview**
- **Pre-ICO advertisement**
- **ICO advertisement**
- **How to and tutorials**

H. Communication

Communication channels to interact with the public, stakeholders and developers

- **Slack**
 - **Dev channel**
 - **Investor channel**
- **Newsletter**
- **Announcements**
- **Marketing Kit**
 - **Branding**
 - **Google Adwords campaigns**
 - **Social media**

I. Infrastructure

Server setup, monitoring and security.

- **Hosting**
 - **Domain**
 - **SSL Certificates**
 - **DDOS protection**
- **Software installation and configuration**
 - **Operating System (GNU/Linux)**
 - **SSH**
 - **Cron**

- Webserver
- Database
- Session storage
- Go Ethereum node
- Monitoring
- Security
 - Enable Audit Logs
 - Encrypted filesystem? Performance?
 - Strict Firewall “all” ports closed
 - Automation
 - Exchange

J. Support

During the ICO or on demand for new requests

- Webapp
- ICO
- Smart Contract
- Infrastructure
- Management tools and Administrative console

K. Externals

Services to be provided by 3rd parties

- Consulting
 - Technical
 - Whitepaper
 - Code review
 - Security
 - Financial
 - Support
 - Juridic
 - Support
- Hosting
 - Domain
 - SSL
 - DDOS protection

- Service Level Agreement
- Communication
 - Content writer
 - Video producer

Questions

Outstanding questions before start.

- Hosting
- Target Public
- Marketing Position
- Strategy ? is there any to follow?
- Token
 - Name
 - Total supply
 - Decimal places
- Formulas
 - Price before ico
 - Price after ico
- Exchange interactions
 - Buy settings
 - Sell settings
- List of investment tokens