

# PeregrineCoin.io

*(Pre-ICO information)*

*Version: 6<sup>th</sup> October 2017 V.10.03 (draft)*

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## Executive Summary

The Peregrine Group Project is a revolutionary community-focussed endeavour focussing on catalysing businesses that benefit communities in novel ways. Indeed, many from around the world seek change and improvement, and none the better to be empowered by leading an ethical, sustainable and profitable business. The group is formed out of 3 main entities: 1) The Peregrine Foundation, 2) the Peregrine Business Network, and 3) the PeregrinExchange (PeregrineX).

The foundation invites promising and motivated individuals, as well as innovative start-ups whose business objectives are in line with the **Foundation's, to become** members of the *Peregrine Business Network*. Here they are provided with financial and social leverage to elevate revolutionary ideas, taking them into mainstream reality. PeregrinExchange (PeregrineX) and a future planned Peregrine Bank will allow cryptocurrency to unite with mainstream finance, while bringing financial services to large populations living in underserved areas.

*Peregrine (PER)* is the name of group's currency, and is adopted by all group members as a means of transacting and fund raising, while securing its value through its immense outreach and real world usage. PER is based on the ERC20 standard, and benefits from the security and scalability of, and future improvements to the Ethereum Network. Second Layer blockchain technology is being implemented to ensure future upgradability to specific Peregrine functions, and decentralised applications will cater to the individual needs of PBN members.

## Value Proposition

The value proposition to holders of the PER token, will be in the short term (about 5 years), the appreciation of the PER currency. This is due to: 1) Use of PERs by the PBN, PeregrineX and the future Peregrine Bank for most transactions and settlements, 2) distribution of PERs to communities for real world usage, and 3) from publicity efforts led by the foundation, among others.

As for PBN members, they will agree to mostly use PERs to transact in and settle payments, and to provide incentives for customers to use PERs over other currencies while making purchases. In return, PBN members will benefit from technical, legal, marketing and other resources provided by the foundation. This includes providing all the necessary funding as required to fully develop their businesses successfully.

## Business Structure

The Peregrine Business model is formed out of 3 main entities:

- 1) The Peregrine Foundation,
- 2) Peregrine Business Network (PBN) and
- 3) PeregrinExchange (PeregrineX).

### *The Peregrine Foundation*

The Peregrine Foundation is a socioeconomic project that promotes peace and prosperity in communities at all levels. It does this by empowering individuals with powerful financial and social tools to induce the right changes in society. With a coordinated approach, the foundation targets 6 principal areas of the human eco-footprint, namely Energy, Waste, Water, Food, Health and Transport.

**The foundation's financial and social tools are contributed by the capability, reputation and professionalism of its members and advisory panel.** Everyone is thoroughly vetted to establish their motivation to contribute to our cause, as well as past and ongoing history of ethical and professional behaviour.

The foundation educates and mobilises people around the world through the outreach of its leaders, such as those in social media, music, film, education, etc. Revenue is earned in PERS via sales commissions, donations and profits attained by the PBN and PeregrineX (see below). All revenue is reinvested in further supporting the cause of the Foundation.

### *Peregrine Business Network (PBN)*

The PBN is a consortium of participating businesses led by the Foundation, each leveraging upon **each other's strength, while benefiting from the wisdom and foresight of the Foundation's advisory members.**

Transactions between internal and external partners will utilise the PER currency as first preference of settlement, while the Foundation will design and provide PBN members with specifically designed smart contracts and decentralised applications (dApp), as suited to their individual needs on the Ethereum Virtual Machine (EVM). This allows PBN partners to stay focus on their strategic areas of business, such as in sales, marketing, strategy and management.

The PBN has already gained traction with the commitment of several influential individuals and businesses, while many others have expressed interest. Some examples are listed below whereby the Peregrine platform is utilised to help them achieve their business goals:

*Peregrine Affiliates*, is an upcoming self-sustained revenue generating and marketing platform, for subscribers in both the advertising and retail spaces. **Through the Foundation's** participating social media and advertising contacts, we have already achieved a cumulative outreach of over 1bn people worldwide. All sponsors and businesses supporting a good cause are welcomed to participate. The general scheme is implemented by way of smart contract and a generic remuneration structure as follows: 1) Social media leaders with high numbers of followers sponsor a business/brand/product/service. 2) Participating businesses should expect to see increased sales volumes. 3) In return for customer referrals, retailers will award their customers with discounts for purchases when paid for in PERS. In addition, retailers will also pay a commission to the sponsors. 4) Excess profits made by the sponsors above a certain predetermined amount will automatically be returned to the foundation by way of smart contract.

*Peregrine Network*, is a decentralised streaming platform where songs and movies can be played in high definition and on demand over the internet, with payment made to the producers instantaneously by way of smart contract.

Decentralised storage prevents hacks commonly faced by centralised servers, drastically reduces infrastructure upfront cost and maintenance, while also allowing storage hosts to earn revenue from volunteering disk space. This set up cuts out as many middlemen as possible, ensuring that producers get paid fairly for their work. In addition, budding artists who participate are given a fair chance of exposure to the public, avoiding harsh scrutiny from major distributors. Several well-known artists have already joined us in building this platform, including Susaye Greene, who was the last member to join the Motown girl group - *The Supremes*. Her latest solo album, *Brave New Shoes*, was released in 2005. Actors participating include Samantha Berg from the movie *BlackFish (2013)*, which won a Satellite Award for best documentary film. Ultimately, the Peregrine Media platform will revolutionise the music and film industry by entrusting distribution to the people, while ensuring producers are paid fairly and instantaneously.

*Peregrine Energy*, is based on a project by Dr Chris French, who along with his team at the University of Newcastle upon Tyne, is involved in designing intelligent microgrid systems for peer-to-peer (P2P) sales of renewable energy (such as solar and wind) in communities around the United Kingdom. Such a system enables communities to buy and sell energy among themselves while reducing their reliance on the main grid, which may be more expensive due to transmission costs over long distances. Another benefit is that main grid outages will not affect the community as much, since intelligent microgrids will allow communities to be as self-sustaining in energy as possible. Users may view on a mobile app the available capacity of renewal energy sources, buy and sell prices, etc. For example, it is now **possible to sell one's** excess solar energy *at the market rate* to neighbours while away on holiday (instead of selling at a much lower price back to utility companies). Environmentally conscious individuals will be glad to know that blockchain allows verification of energy sources (certificates of origin), e.g. whether it is from renewables. The common blockchain ledger provides transparency and incorruptibility, and being a single accounting source, avoids the needs for reconciliation and settlement between parties. Use of the PER currency such as to represent kilowatt-hours, may serve as an internal unit of account, hence reducing transaction costs, while smart contracts automatically determine pay-outs and revenue to the company.

Peregrine EMR, is an Electronic Medical Records system being developed by a major publically listed healthcare IT company in the Asia-pacific region. It is modelled after an already existing EMR package currently in its 14<sup>th</sup> version, and used by many major healthcare providers around the region. The goal is to have a decentralised EMR database, which can be accessed via Ethereum dApps, and with data stored on the free disk space of computers around the world. Often medical emergencies require urgent retrieval of past medical records, but the lack of common IT infrastructure and bureaucracy between different healthcare providers locally (as well as internationally) make records retrieval a lengthy process (hours or even days). dApps will assist in maintaining a secure, decentralised system for medical data storage, and will allow for fast access to crucial medical information worldwide, upon authorisation by the patient (or NOK) with a private key. Decentralised storage also ensures no downtime, or the need to maintain expensive server assets. Blockchain technology ensures incorruptibility of data entry by multiple healthcare providers, a key benefit to health insurance companies looking for universal and reliable health records.

### *Peregrine Exchange (PeregrineX)*

PeregrineX is an exchange which in addition to being a crypto currency exchange, will also provide the PBN with an additional bridge between crypto and fiat payments.

It will most likely be a decentralised crypto currency exchange, and is currently being explored for integration on the backend with the Waves DEX platform. This allows for fast and reliable decentralised trading, without having to move funds to a centralised exchange where there is a higher risk of theft, and other counterparty risk. The advantage of having a decentralised exchange is that funds cannot be stolen *en masse*, as the private keys are not stored in any centralised location, but rather P2P takes place via smart contracts.

In addition, PeregrineX will support decentralised trading between crypto and fiat currencies. There are many ways to implement this, and one possible way is by having the exchange hold reserve fiat currency in auditable, trusted and fully insured bank accounts around the world. The exchange will then issue fully backed fiat currency tokens for trading, its supply programmed to maintain a 100% fractional reserve basis (e.g. 1 Peregrine-USD token for every USD\$1). Should customers wish to withdraw in fiat, the fiat tokens (e.g. Peregrine-USD tokens) are sent to a **participating payment processor, one whom we've worked out an agreement to accept fiat tokens as an IOU**. The payment processor would then pay out real fiat currency to the **customer's bank account**, and exchange the IOUs for real fiat currency on a netted basis each month.

This system would also allow for holders of crypto currency to spend in fiat form, using common debit cards such as MasterCard or Visa. Purchases made in fiat currency are automatically converted and debited from **the purchaser's** cryptocurrency account, and converted into peregrine-fiat tokens. Payment processors whom we have worked out an arrangement, would accept the fiat tokens as payment, and if requested, may exchange them for real fiat currency on a netted basis each month.

*PeregrineX* will later form a crucial part of the planned *Peregrine Bank*, which will have the required financial licenses to provide fintech services to disadvantaged communities, where they often lack traditional banking infrastructure. Our leverage will be on enabling huge populations living in these communities to have access to low cost financial services, including the ability to make micropayments, receive/provide P2P loans, buy P2P community based insurance plans and perform online banking.

## PeregrineCoin (PER) – ERC20 Token

- ERC20 compliant token
- Fixed total supply of 7 billion tokens
- Divisible to 6 decimals places

## Crowd fundraising pre-ICO

The pre-ICO will take place from the 4<sup>th</sup> quarter of 2017, and will run for a minimum of 4 months. Initial funds will be used mainly on building the IT and marketing team and software development.

The pre-ICO sale price will be fixed at US\$0.20 to 1 PER. The main ICO will have a reserve price of \$0.38 to 1 PER and may take the form of a Dutch auction.

In total, only 20% of the total supply of PER coins will be sold in the pre-ICO and ICO. The remainder of the coins will be kept in Trust by the Foundation, and used sparingly over many years/decades to cater for further investment and related expenses.

## Roadmap

Q2 2017 - Q3 2017:

- Coding for ERC20 tokens

Q3 2017 - Q1 2018:

- Pre-ICO sale

Q1 2018 – Q3 2018:

- Coding for PeregrinExchange (beta version)
- Test run of PeregrinExchange beta and proof of concept demonstration.
- Coding for 2nd layer network platform for Peregrine specific applications/functions (e.g Peregrine Affiliates, Music, etc.)
- Coding for 2nd layer payments network for fast payments, such as on the Raiden network.
- Formalisation of Country of Domicile for the Foundation

Q2 - Q3 2018:

- ICO
- Ongoing test runs

Q3 2018:

- Test runs of decentralised applications (dApps) with PBN members (e.g. payment and rewards system for Peregrine Affiliates, Music, etc.)

Q4 2018:

- First release of products from the PBN / Commencement of services
- First release of Peregrine Exchange (PeregrineX) with crypto-fiat payment platform (e.g. with Mastercard/Visa integration)