



3D

blockchain



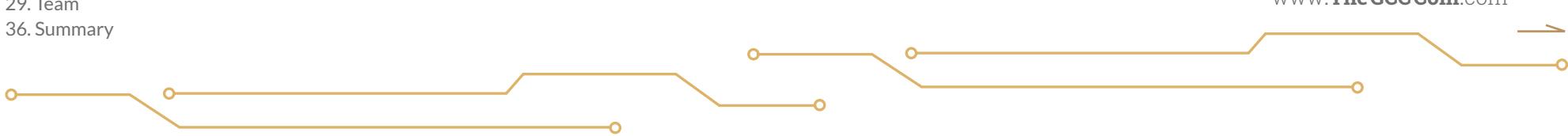
# Global Cryptocurrency WHITEPAPER 2018

PROBABLY THE BEST DIGITAL PAYMENT METHOD SUPPORTED  
BY THE MOST PROSPECTIVE BUSINESS SECTORS

## Table of Contents

- 3. Introduction
- 4. Global Cryptocurrency
- 10. 3D Printing Sector
- 14. GCC 3D Café
- 16. Ecosystem<sup>24</sup>
- 20. GCC Wallets
- 21. Merchant Platform and ShopClub
- 23. Transaction Fee Sharing
- 24. GCC Ambassador Programme
- 25. Technical Specification
- 27. Masternodes
- 28. Roadmap
- 29. Team
- 36. Summary

[www.TheGCCoin.com](http://www.TheGCCoin.com)





Our mission is to improve the way people buy and produce every day goods and services.

By decentralising production, logistics and payments, we will contribute to the environment and people.

## THIS IS NOT ANOTHER COIN STORY

We're proud to present the effect of a 3-year comprehensive project: GCC – Global Cryptocurrency, a ready-to-use, competitive, smart payment method starting to be accepted by online shops and cafes worldwide. We made it 100% eco-friendly and connected to an innovative 3D printing sector to secure long term growth.

Today blockchain and superior tech specs are not enough to create a coin that will be able to compete with fiat currencies and associated with them payment methods or thousands of other cryptocurrencies. It's real business and community behind the coin that makes it successful. GCC was designed by experienced business people and developers. From the idea to the launch on the blockchain it was created according to best international business practices of product development to meet highest expectations and gain acceptance of the market.



**It's not just blockchain  
that makes real micropayment  
coin succesful.**

**It's real business and community  
behind the project that makes  
it work.**





# GCC - GLOBAL CRYPTOCURRENCY

GCC is a decentralized, digital payment method or so called cryptocurrency. But it's not just another coin on the market. We created it to change the world to a better, not just a different place. To solve practical, existing problems rather than just coexist on the exchanges with many other coins speculative gamble without any practical usage.

During the R&D process we have focused on the most important factors of any successful product: user experience. The strategy for its successful release is based on 5 pillars:

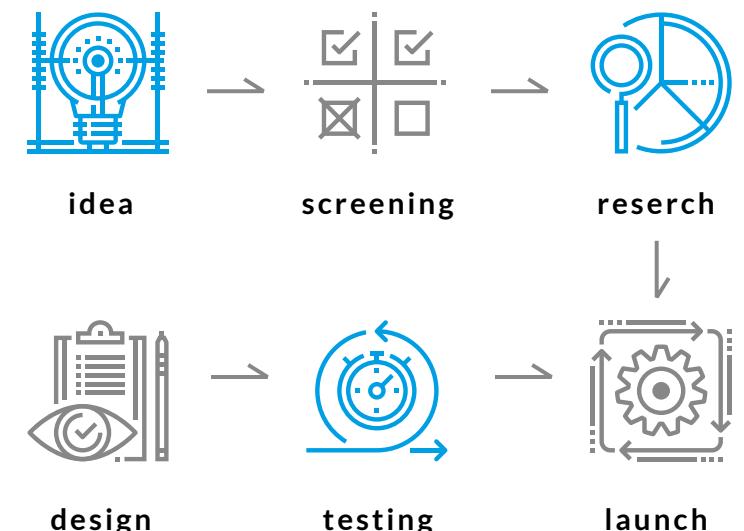
**I. DESIRABLE PRODUCT** - implement only key features that are really recognized by people as important and desirable. Prepare professional branding to create positive emotions around the coin.

**II. SOLID FOUNDATIONS** - secure coin to best performing future orientated business sectors with long term, sustainable growth.

**III. MARKET** - create real, transactional demand for the coin. Build a market to make coin useful and independent of 3rd parties and list on exchanges to improve availability.

**IV. COMMUNITY** - build community around the coin and boost global acceptance basing on real business use cases rather than just promises.

**V. GLOBAL ACCEPTANCE** - having accomplished all essential development stages focus on provide necessary tools to boost global acceptance.





## I. DESIRABLE PRODUCT

GCC is a coin people could love to use for everyday payments. We equipped it with all essential features to make it probably the best payment method ever:

- Fast algorithm X13 – you can pay even for a cup of coffee – while it's still hot
- One of the smallest transaction fees – just 0,088% + 0,000001 GCC
- Decentralized, independent, transparent blockchain
- Protect your privacy (Tor network)
- Proof-of-stake – everyone can benefit from staking without heavy investments in energy consuming mining servers
- Sufficient coin supply for ergonomic global use
- Transaction fee sharing – share transaction fee with GCC community and our planet rather than banks and financial institutions simply by using GCC!
- Eco-friendly:
  - 1% of premined PoW coins are stored on a Green Wallet as an offset to neutralize CO<sub>2</sub> emission caused by energy consumption
  - Almost half of transaction fees collected goes to green wallet to support eco-friendly initiatives
  - Proof-of-stake as an eco-friendly method of coin creation in respond to growing awareness of enormous energy consumption by PoW coins

Together with Global Cryptocurrency we have already delivered essential software and hardware to make our coin useful straight away: wallets, web wallets and cold wallets to store them safely. Secure and simple to use for everyone. GCC is ready.





## II. SOLID FOUNDATIONS

As blockchain revolution allowed to decentralize payments, there is another major shift in manufacturing taking place, with some even calling it a 3<sup>rd</sup> industrial revolution that takes place exactly at the same time. 3D printing technology decentralizes production and logistics and it's one of the fastest growing sector according to the latest data.

We couldn't miss that opportunity and bound GCC to the 3D printing sector to get the synergy effect with these highly disruptive revolutions happening today.

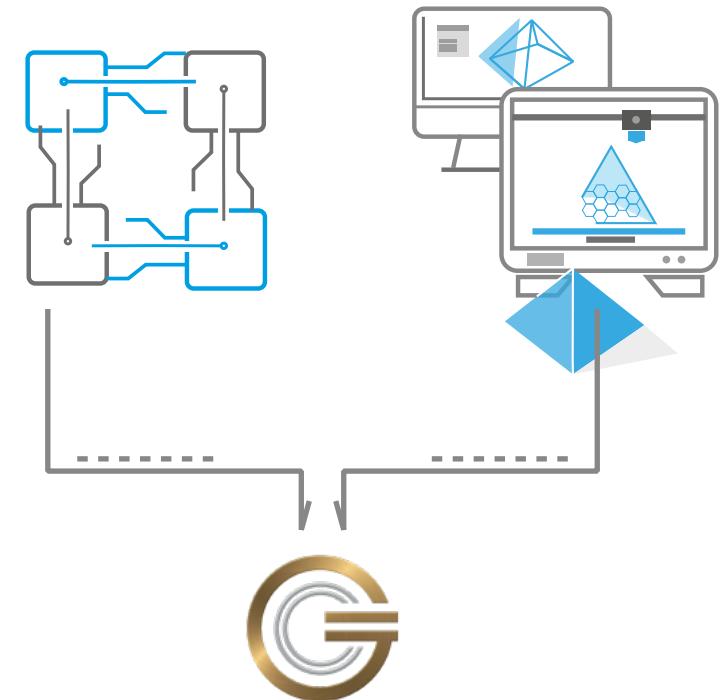
Connecting GCC with 3D printing sector could result in:

- Sustainable growth – driven by two revolutions
- Improved stability
- Excellent long term perspective
- Boost of global awareness and acceptance

We have created 3 complex gateways for GCC to benefit from the 3D printing sector:

- **3DPrintPoints.com** – a global platform connecting 3D printing facilities and 3D model designers with clients. The portal is online and has GCC payments as an option.
- **3DBay24.com** – global online shop for purchasing 3D hardware, consumables and software. Already online, of course GCC accepted here!
- **GCC3DCafe.com** – stylish café franchise concept with a 3D retail shop, service and printing point in one place. Its an ideal space not only for crypto and 3D enthusiast to relax, talk, educate. You can spend GCC here not only for 3D printing, but even for a cup of coffee!

We have 3D specialists in our team and conduct our own development projects of 3D printers since 2009.



Global Cryptocurrency  
- synergistic effect driven  
by two business revolutions





### III. MARKET

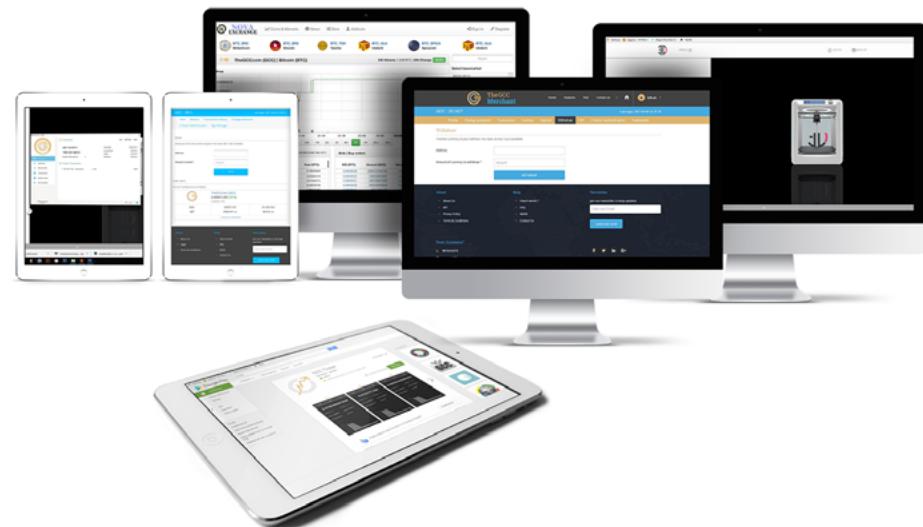
Since we have an attractive product – Global Cryptocurrency, powered by the most prospective business sectors, we decided to back it by setting up our own businesses to give GCC community a place to use it as a payment method and prove to the world it really works. This initiative is called Ecosystem24 – our own 24 portals and products to help boost global GCC awareness as a successful and attractive payment method. A gateway for GCC coin to the world of various business sectors, goods and services. From a cup of coffee to professional 3D printers.

While Ecosystem24 is in continuous development, we have already created and launched the first 11 web based service platforms and products:

3D Print Points	<a href="http://www.3DPrintPoints.com">www.3DPrintPoints.com</a>
3D Bay 24	<a href="http://www.3DBay24.com">www.3DBay24.com</a>
GCC Bit Freezer *	<a href="http://www.GCCBitfreezer.com">www.GCCBitfreezer.com</a>
GCC Coffee	<a href="http://www.GCCCoffee.com">www.GCCCoffee.com</a>
GCC Vitality	<a href="http://www.GCCVitality.com">www.GCCVitality.com</a>
GCC Beauty	<a href="http://www.GCCBeauty.com">www.GCCBeauty.com</a>
GCC 3D Café	<a href="http://www.GCC3Dcafe.com">www.GCC3Dcafe.com</a>
GCC SIM *	<a href="http://www.GCCSIM.com">www.GCCSIM.com</a>
GCC Shop Club	<a href="http://www.GCCShopClub.com">www.GCCShopClub.com</a>
GCC Merchant	<a href="http://www.GCCMerchant.com">www.GCCMerchant.com</a>
GCC Spot	<a href="http://www.GCCSpot.com">www.GCCSpot.com</a>

Ecosystem24 gives the GCC a unique chance to boost global awarness and prove sceptics how cryptocurrency can work perfectly as a payment method. As the owners of these portals we are to a certain extent independent of market sentiment and we can use any marketing tools to help GCC find new enthusiasts such as **promotions and price discounts dedicated only for GCC payments!**

Putting real businesses behind the GCC creates real, transactional demand for GCC - more importantly substantiates its use case for a second wave of adoption by non-affiliated vendors accepting the GCC. The Ecosystem24 also gives the GCC sustainability in the long term and build a speculative dump-proof shield. GCC is now positioned to be one of the top coins which can be practically used to pay for goods over the counter and online directly – without using expensive cards and intermediary services.



We're absolutely ready to boost global  
GCC expansion right now!

\* physical products already on sale, websites launches soon.



## IV. COMMUNITY

Since we have already accomplished coin development with essential apps to use it, made it available through exchanges and built initial market to generate real, transactional demand – it's high time to build a strong community around the coin to boost global awareness.

We have professional support team working in the head office ready to help and answer any question regarding our project. We're also building communication using what we view as the most innovative and effective social media platform to stay in keep you updated about Global Cryptocurrency development progress. Find us there!

Medium: <https://medium.com/@thegcccoin>

Facebook: <https://www.facebook.com/TheGCCcoin/>

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

Bitcointalk: <https://bitcointalk.org/index.php?topic=2208174.0>

Telegram Chat: <https://t.me/GCCcoin>

Telegram Announcement: <https://t.me/GCCglobalcryptocurrency>

Together with our social media activity we are finalizing created effective incentive tools to help GCC Community grow faster:

- GCC airdrops for our products in online shops
- GCC airdrops in GCC 3D Cafés worldwide
- Contests
- Ambassador Programme
- Referral link system for Ecosystem24 platforms





## V. GLOBAL ACCEPTANCE

We made a huge step towards establishing GCC as an attractive global payment method. But we really love to decentralize and GCC must be able to function also on businesses other than in the Ecosystem24 environment.

To achieve this second level of adoption we have designed, programmed and tested **our own merchant platform** – a gateway to introduce GCC payments to any online business in the world! Its functionality is already proven and working on all our Ecosystem24 platforms.

To enable the rapid adoption and acceptance of our Merchant Platform to various businesses worldwide we're working on a dedicated **incentive based marketing program called GCC ShopClub**. The basic principle is that

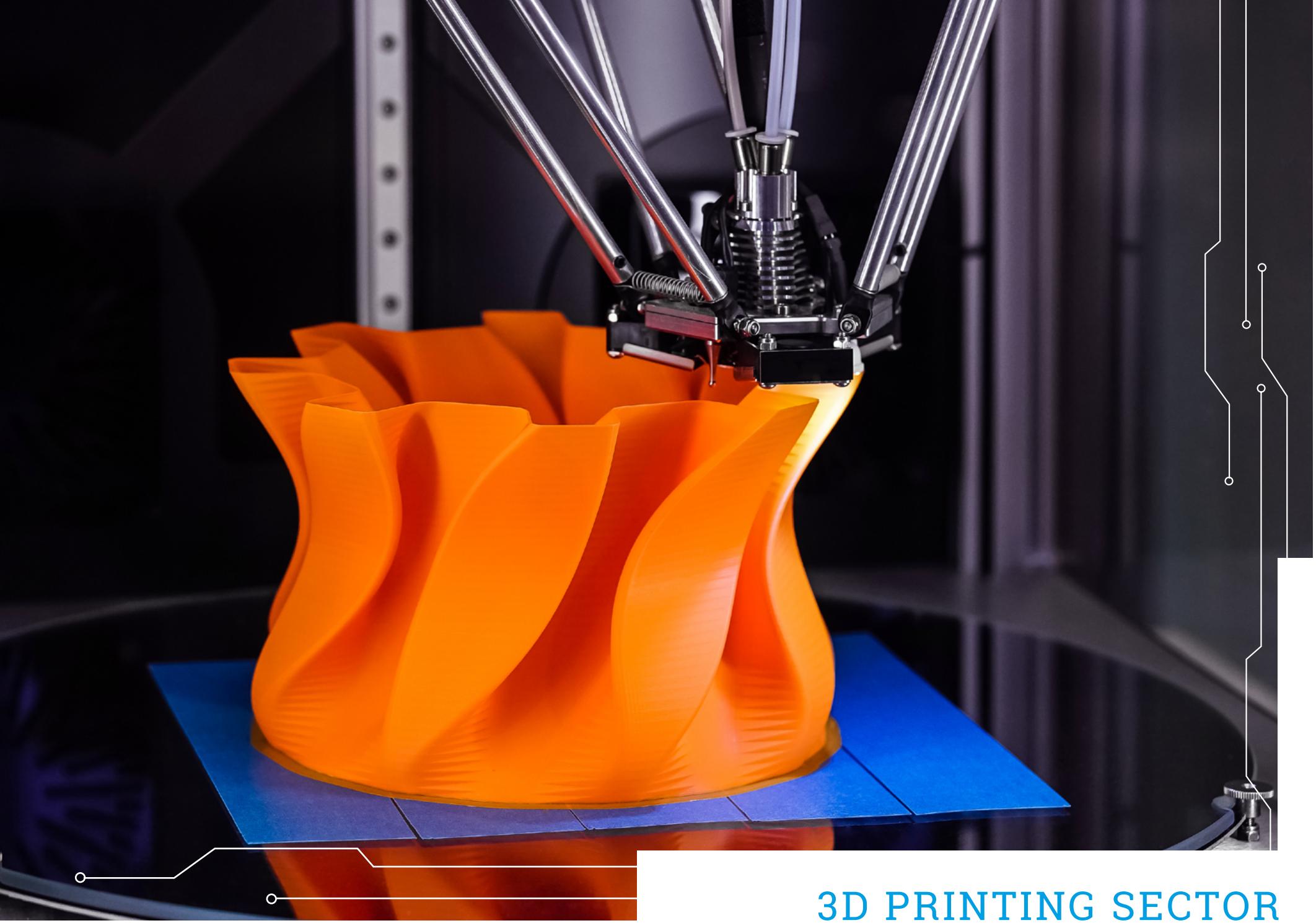
every person who adds an online business/webshop that accepts GCC as a payment method will be able to benefit from GCC Merchant transaction fee sharing.

Today **we have GCC users in over 122 countries**. With community support and professional marketing campaign around the GCC coin and its Ecosystem24 we are ready to establish a new practically working global payment method.



► VIETNAM, POLAND, PAKISTAN, UNITED KINGDOM, COTE D'IVOIRE, PHILIPPINES, DENMARK, INDIA, UNITED STATES, GHANA, AUSTRALIA, IRELAND, NIGERIA, SERBIA, CANADA, GERMANY, HONG KONG, SOUTH AFRICA, CROATIA, FRANCE, MOROCCO, SURINAME, UNITED ARAB EMIRATES, MACAO, NETHERLANDS, ISRAEL, SAUDI ARABIA, NEW ZEALAND, ITALY, NORWAY, TURKEY, FINLAND, BELGIUM, CZECH REPUBLIC, MALAYSIA, CAMEROON, AUSTRIA, KENYA, SWEDEN, BANGLADESH, QATAR, SWITZERLAND, HUNGARY, LITHUANIA, AFGHANISTAN, ICELAND, RUSSIAN FEDERATION, JAPAN, CHINA, GREECE, SINGAPORE, KUWAIT, SAMOA, ZIMBABWE, SPAIN, BENIN, TAIWAN, PROVINCE OF CHINA, AMERICAN SAMOA, UKRAINE, BOSNIA AND HERZEGOVINA, KOREA, REPUBLIC OF SRI LANKA, IRAQ, BRAZIL, PALAU, TANZANIA, UNITED REPUBLIC OF MEXICO, UGANDA, CAMBODIA, SLOVAKIA, BARBADOS, INDONESIA, LEBANON, BULGARIA, BAHRAIN, PORTUGAL, IRAN, ISLAMIC REPUBLIC OF MALI, BOTSWANA, GEORGIA, MAURITIUS, ALBANIA, FRENCH GUIANA, JERSEY, GAMBIA, GUINEA, ALAND ISLANDS, VIRGIN ISLANDS, U.S., CYPRUS, WALLIS AND FUTUNA, OMAN, SENEGAL, LAO PEOPLE'S DEMOCRATIC REPUBLIC, PANAMA, SOMALIA, PAPUA NEW GUINEA, BURKINA FASO, ALGERIA, SWAZILAND, LIBERIA, TOGO, THAILAND, FAROE ISLANDS, BRITISH INDIAN OCEAN TERRITORY, LATVIA, PUERTO RICO, ANDORRA, TUNISIA, BERMUDA





3D PRINTING SECTOR



## 3D PRINTING SECTOR

There are a number of factors which create a “perfect storm” for rapid growth and use of 3D technology in manufacturing. At the same time it's difficult to “catalogue” what will be the world largest industry within 10 years. In the points below You will quickly see why 3D printing has a “perfect convergence” of points which will drive dynamic growth forward – it is already past the tipping point and shortly will become what some are calling a **fourth manufacturing revolution**.

- Market demand - in 2016 about 300 000 desktop printers sold. By contrast in 2017 around 500 000 desktop printers were sold. Prognosis for 2018 is between 750 000 and 1 Million printers.
- Number of producers making desktop printers rapidly growing - 2015 - around 40, 2016 - around 75. 2017 - over 100.
- Number of competing producers is driving price down. In 2015 it was difficult to find a 3D printer for under 700 US\$. In 2018 the entry level is 200 US\$.
- Market is rapidly segregating into clear definable segments which can be quantified and already have dedicated marketing and service/delivery supply chain developing - 2015-2017 basically only Industrial and Hobby. In 2018 it is already highly segregated with specific products for specific customer types with specific features which are:
  - Education - schools and universities - characteristics are lockable enclosures, filters, safety features, products packaged with sets of education materials as per STEM learning system. Example producer XYZprinting (education products).
  - Hobby - 3D printing enthusiasts - characteristics of products are self assembly, highly modifiable, self printed parts, Cool hipster/

nerd product design/look and feel etc. Example producer - Prusa, BQ, Creality, Wanhao etc.

- Commercial - 2D photocopy shops, 3D print points - characteristics of machines are ease of use, ease of maintenance, proprietary materials to ensure repeatable quality, speed of print, almost identical to use as traditional photocopier. Example producer Sindoh, Ultimaker, Zortrax, Wanhao, Formlabs.
- Home use - every household - characteristics of machines are ease of use, free software, plug and play characteristics, safety features, intuitive interfaces, pre-assembled out of box. Example producer - Panospace, BQ, Wanhao, Robo 3D.
- Light industrial prototyping - characteristics are larger print sizes (up to 3 meters by 2 meters), more industrial materials such as metals/carbon fibers/resins, designed for factory installation with cooling fan filter systems to avoid clogging etc. Printer and their slicing software are designed for direct import and interactivity with world's leading CAD/CAM software systems. Example producer 3DGence, Ultimaker, Formlabs.
- Full industrial machines - characteristics are designed to be connected to MRP or other production management system, IOT and Industry 4.0 features, industrial level safety features. Printer and their slicing software are designed for direct import and interactivity with world's leading CAD/CAM software systems for product design. Example producers Renishaw, GE, HP etc.
- Medical printers - characteristics are designed for laboratory use, really exotic materials such as living cells etc specialised producers by type often dedicated prototypes.
- Dentistry and prosthetics - characteristics are often these are packaged with high end software and hardware on-patient 3D





scanning system. The machines are more expensive due to very high accuracy and material are specific such as non-allergenic etc. Example producers Stratasys , MoonRay, Zenith, Envision TEC.

- Jewellery - machines are designed for making jewellery blanks which produce very high accuracy in minute details, these are integrated with specific design software allowing detailed design analysis and modelling to ensure 100% correct print that will sell.

In addition to the above there is continual R&D into almost every imaginable direction. In almost every technical, medical and other university globally there are literally thousands of ongoing R&D projects into 3D printing of almost anything imaginable.

Research is driven by government grants for research projects, business incubators and most recently crowd funding. Most developed nations have research grants for 3D R&D projects in place for more than 10 years. Funds range from few hundred thousand dollars to tens of millions of dollars per project. Hottest topics now are living cell printing, micro printing, materials development etc.

Fortune 500 corporations and other large companies are now beginning to understand the potential of this technology. The world's leading Industrial companies have already set up structures to deliver 3D industrial machines. Companies such as GE, HP, Mazak, Renishaw already have full line of industrial 3D printers on the market - machine prices range from 100K US\$ to 1 M US\$ or more. They are already rapidly developing the complete integration eco-system for mass manufacturing using these printers.

Removal of manufacturing limits - Industrial EMS companies such as Foxconn are already manufacturing 3D printers for design/marketing companies such as Robo 3D. This removes any scaling issues and allows companies to grow infinitely. This is following a trend set by IT companies such as Apple, Sony or Xiaomi who focus on design, marketing and sales and leave majority

of assembly and manufacturing to 3rd parties specialised in highest quality such as Jabil, Foxconn, etc., so production scale is no longer an issue.

Service, education and materials supply infrastructure - across the globe material suppliers manufacturing materials dedicated to 3D printers are flourishing. There is a second wave of R&D going into refining materials to produce better quality final products and wider range of useable materials. Currently there are hundreds of software companies, material manufacturing companies and more and more educational companies. Examples are Fiberlogy etc.

Cloud based object libraries and print services. There are a growing number of cloud based services allowing objects to be uploaded, downloaded, printed anywhere in the world. Example are 3DPrintPoints.com. Only now is there this access to borderless logistics worldwide where within seconds an object or product can be ordered and produced from anywhere in the world. It is expected that 20% of the world manufacturing will take place in this way within the next 10 years.

Supply channels growth allowing access to products - printers can now be purchased from specialised services such as 3DBAY24.com to more general on-line retailers such as Amazon and then even supermarket chains such as Asda and Aldi for purchasing off the shelf home use 3D printer.

Rapid increase in 3D print points globally - these are points where 3D digital files can be ordered and printed locally for example from a home based point in a garage to a 3D print point in a global markets chains such as Leroy Merlin or Aldi. Within a short space of time we expect 3D print points will become as ubiquitous as photocopy shops or 7-Eleven stores.

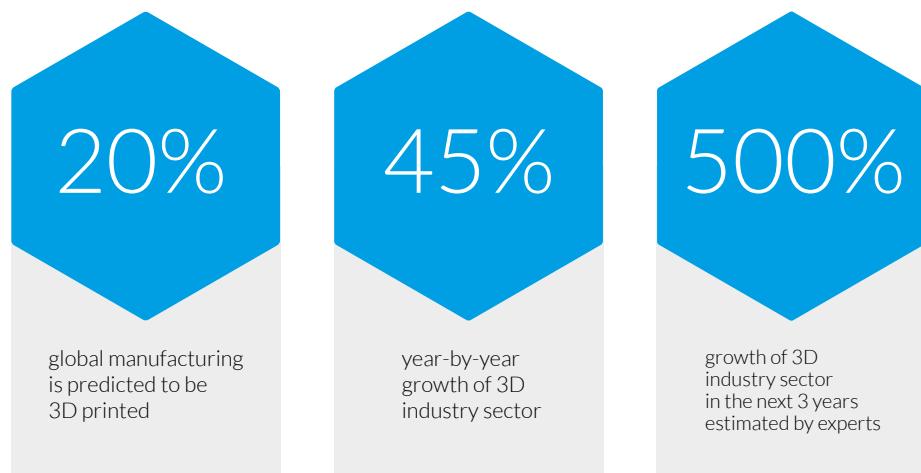
"Batch Quantity 1" this is the elusive dream situation for manufacturers worldwide. It is the moment when every product produced is customized for the person ordering the product and is unique. 3D printing is the enabler for "batch Quantity 1". Mass manufacturing is already adopting 3D printing to achieve this desired scenario.





Environmental impact. 3D printing to a large extent cuts out transport needs as products can be manufactured locally – this reduces to some extent CO<sub>2</sub> production. Materials such as PLA based on plant oils is a much more ecologically friendly plastic-like material that naturally decomposes compared to crude oil based plastics which stay in the environment for tens of years before decomposing. These are just some examples of “green” aspects of 3D printing. Additionally the amount of waste in 3D printing is substantially lower than with traditional injection molding.

As can be seen from the above points binding the GCC to the future of 3D printing will in many ways bring the usability and awareness of the GCC to a completely new level. Packaging is reduced due to none - or smaller distance of delivery.





GCC 3D CAFÉ



## GCC 3D CAFÉ

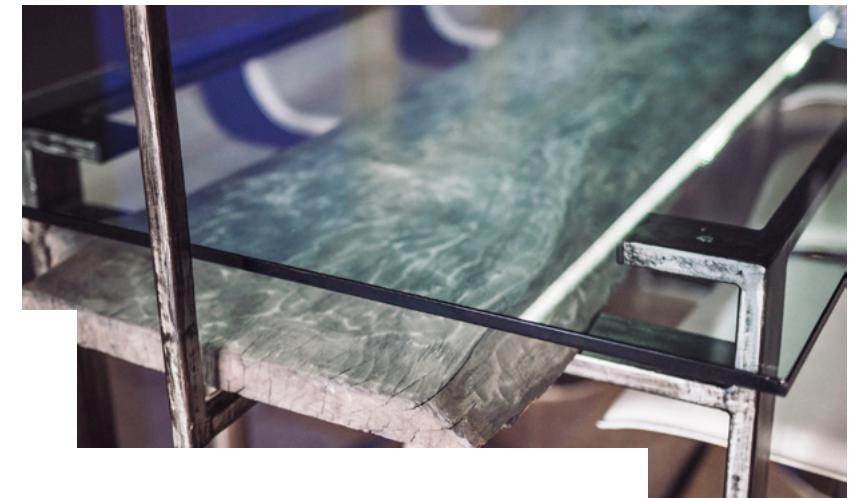
The 3 biggest challenges still facing cryptocurrencies and 3D printing before worldwide comprehensive adoption are things key to human evolution. It's still the lack of understanding of these technologies coupled with lack of hands on experience and global accessibility.

The GCC 3D Café solves all 3 of these issues. We designed a complex Hybrid Tech Themed Café Franchise system which addresses and resolves each of these issues. A really modern environment where people can fully immerse themselves in 3D printing technology, learn about and then practically use cryptocurrencies. It is the first of its kind in the world and innovative in every aspect.

Once again we are using a worldwide growth trend to facilitate the use of GCC. Coffee shops are the most rapidly growing segment of the consumer service industry. Currently in developing markets there is a significant swing to drinking coffee which is driving the growth of global leading coffee shop brands. However, consumers are now looking for something more than just a coffee or light snack – this brings about the emergence of the Hybrid Theme Café. We believe that our GCC 3D Café is a convergence of disruptive ideas which meets the needs of today's and tomorrow's leading edge trendy customers.

In each location we will apply state of the art IT solutions, original content, sharing environment and décor which is sure to stimulate and encourage creative thought, discussion and positive energy amongst the customers.

These GCC 3D Cafés will be the place where we will continually introduce the latest information and discussion about a cryptocurrencies, uses of blockchain and 3D printing.



Above all these will be places where the digital world meets the real world. Digital objects are printed in reality, people who know each other for years under avatars & nicks can meet in person and payments for real things can be done in virtual currency.

**GCC 3D Café – where the virtual world becomes reality.**



ECOSYSTEM24



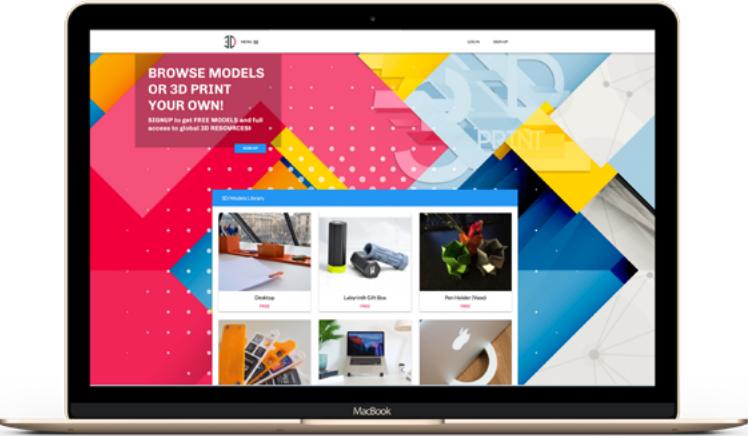
## ECOSYSTEM24

### 3D Print Points

Our main platform through which we promote 3D printing technology by directing it to regular home users, 3D printers, designers and customers worldwide. Users can join for free and download 3D models from our library, add their own and sell them, order printing, offer their own 3D printing services to clients globally and locally, find information on the industry and learn how to print and get assistance in developing their design work and printing business as a 3D print point. The platform is developed as the go-to place for every person who wants to start 3D printing, market their services, connect to other designers and shop for 3D printers and equipment. All services available in the platform can be paid for with Global Cryptocurrency, which makes a market for our coin that grows exponentially every year and has great prospects both in short-term and long-term perspective. Riding the growing wave of additive manufacturing which is expect to change the way goods are produced globally and reaching out to common people allows us to create a solid opportunity for GCC usage.

### 3D Bay 24

3D printing shop associated with our 3D Print Points platform. We continuously make efforts to create a shop product base that would target the largest number of clients and meet their needs at a very competitive price. We have introduced top rank 3D printers and accessories, as well as tablets and other electronics, that come straight from producers. We are authorized distributors of BQ, Mater and Form, XYZprinting and Creality. In our shop you can find equipment ranging from da Vinci Color full color printer, Creality's bestselling CR-10, to BQ Witbox Go! and 3D Doodler. Find products from Wanhao, Panospace, ColorFabb, Fiberlogy and more brands, and buy them with Global Cryptocurrency. Consumables such as filaments allow for an ongoing sale of 3D printing accessories at the shop.





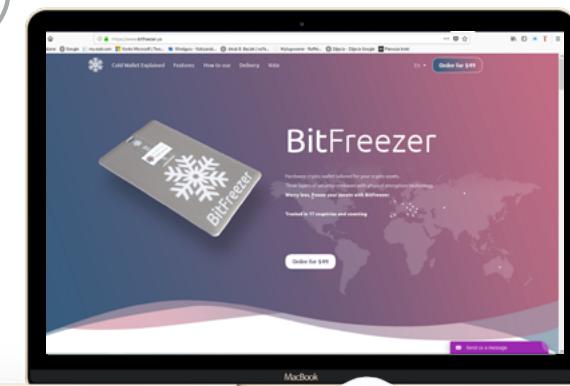
## GCC SIM

It's a pre-paid data card in mini, micro and nano formats that can be purchased with Global Cryptocurrency to allow anyone use its data transfer for sending chat messages and emoji via most popular chat applications: WhatsApp, Telegram, Messenger, WeChat, LINE, BBM, QQi, Hike, BiP and Kakao. The card lets you chat freely within the particular plan you choose to be using across 165 countries divided into six zones through local operators – 250 in total. This may greatly reduce internet bills as the card is pre-paid for a period of one year and it doesn't require any additional payments. Additionally, it can be loaded with extra credits that allow sending files, multimedia and making through supported calls applications.



## GCC BitFreezer

Introducing the first dedicated cryptocurrency cold storage wallet for Global Cryptocurrency. GCC BitFreezer is the result of our partnership with BitFreezer. The dedicated wallet can purchased with GCC and store funds completely secure with its own independent encrypted operating system and security features. The compact format smart card has a built-in USB connector, IC and NAND memory. Plug it in and reboot your computer with it to safely manage the coins to and from the wallet.



## GCC Spot

GCC Spot is a social platform dedicated to people who want to meet up, find new people around who share the same interests and everyone looking for someone to spend quality time with. The portal is mostly free and in its early version, which is going to be next equipped with various functionalities including new messaging system, new payment methods, advanced profile browsing and new languages, starting French. Right now users can sign in and start browsing other people profiles. Messaging is available in the premium plan that can be purchased with GCC. The site is responsive on mobile devices. Gradually, we will implement attractive social options and various micro services available for purchase in GCC built into users' profiles.





## GCC Coffee

GCC Coffee is a featured brand in our GCC 3D Café franchise but it is also available for purchase separately with Global Cryptocurrency. Our coffee beans come straight from plantations which is aimed to reduce the long chain of supply and to support planters rather than distributors and corporations. The beans are hand roasted and packed in small batches to preserve their quality and aroma.



## GCC Vitality

GCC Vitality is a group of products that utilize soundwaves to produce (embed) discs and bangles that are believed to have water-structuring properties and can alleviate pain on the wearer once treated this way. From our own observations we can tell that drinks taste better when a glass is placed on the disk for some time, plants grow healthier with treated water and people feel more energetic wearing the bangle on their wrists. We cannot guarantee the results but recommend trying the products for yourself. All products are available for purchase with GCC.



## GCC Beauty

As cosmetics and chemicals are fast growing markets which use more and more innovative production technologies, we decided to also offer to the customers a better technology that will enable purchasing them. We created our own clinically tested formula for GCC Beauty cosmeceuticals along with a dedicated web service where people can order them. GCC Beauty is a young project but already catching customers all over the world. Our system of cosmeceuticals is perfect for all types of skin and is scientifically developed based on natural oils and extracts. The cosmeceuticals are used to nourish and protect the skin and at the same time stimulate the skin's own restructuring and recovery mechanisms giving remarkable anti-ageing effects.





# GCC wallets: web wallet, full node wallet, cold wallet

## WEB WALLET

**GCC Web Wallet** is a place where you can store your GCC safely online. Receiving and sending GCC has never been more accessible. You don't need to worry about storing your wallet as no download is necessary - you can leave your computer at home and go full mobile at any time.

Get instant access to your funds by logging to your web wallet online from any device that allows web browsing - almost anywhere in the world. It's light, it's fast, and it requires less attention than your email account. Yet we made sure it is a fully operational transaction tool. The GCC web wallet provides you with the simplest possible solution to receive and send GCC online - wherever you are.

Safety is guaranteed by the coin's impenetrable blockchain system and the wallets are stored on protected servers. We collect no personal data from the users - you don't even need to provide it.

- Nobody can know your account balance except for you
- You can recover your password if you happen to lose it
- You can log in to it and make transactions from any web-browsing device
- 2FA secure feature
- You don't need to download or backup anything
- Send and receive system at its simplest
- Issue an URL address for transaction request and send it directly to your contact

Pairing your GCC Web Wallet with iOS and ANDROID wallet app will be released in Q2 2018. We have plan to release multicurrency version of webwallet in late Q3 2018.



## FULL NODE WALLET

GCC consensus is a proof of stake and a full node wallet allows you to protect GCC network and generate passive income from staking your coins, full node wallets are always more safe than a web wallet, you are the only one who has access to your Private Key. Latest version of GCC full node wallet is 2.2.3.2 ATM (21.05.2018).

## COLD WALLET

The safest way to store crypto assets is to store them on a device that doesn't have permanent internet connection (so-called cold storage). If you want to store any crypto assets in long-term, cold storage is the best solution. Global Cryptocurrency is already implemented in a hardware wallet, which is one type of cold storage (another is paper wallet), namely BitFreezer, which can also store assets such as DASH, LTC, BTC, BCH, ETH, NEO, ERC20, XRP.





MERCHANT PLATFORM AND SHOPCLUB



## MERCHANT PLATFORM AND SHOPCLUB

Ecosystem24 is a group of our own portals – created to show the world how to implement and benefit from using Global Cryptocurrency as a payment method. It is not our intention to be the only operator of every single portal that accepts the Global Cryptocurrency. To the contrary - we love decentralisation - this is why we have developed our MERCHANT PLATFORM - which is ready to be implemented to unlimited businesses to accept our coin worldwide! The Merchant Platform already has functional Prestashop and Wordpress modules - but it's just the beginning - our development team will help you to implement our payment gateway to any system - for free!

GCC ShopClub will be an online catalogue of businesses that accept GCC as a payment method. This database will allow customers to search for shops all around the world. Add a shop to the list and share transaction fees whenever GCC is utilized in that business!





TRANSACTION FEE SHARING



## TRANSACTION FEE SHARING

0,088% transaction fee (from wallet GUI) + 0,000001 GCC (blockchain) is charged each time Global Cryptocurrency is transferred. Those transaction fees are transferred to the wallet address:

SCWSywQW6kgPcB5p5MrAGUS2qQkL5m6rDf

From this address amount will be redistributed as follows:

- 0,040% is donated to green solutions, e.g. planting trees or saving wildlife.
- 0,024% of transaction fee goes back to the people who will participate in GCC Foundation programme.
- 0,024% is marketing activities, helping with exchange listings and promotional purposes. Ensure future development.

## TRANSACTION FEE SHARING



Your transaction fee already donated (to mention a few):

- Turtle Foundation, Zum Keltershof 12, 50999 Köln
- Rewilding Europe
- Me for Africa
- Orangutan Foundation International
- Red Panda
- Save the Elephants
- Rainforest Foundation
- Greenpeace

## GCC AMBASSADOR PROGRAMME

It's a limited, exclusive option for those who wish to substantially support our development. Help us grow – share the information about our concept with wide audience and get a lifetime transaction fee sharing feature directly to your wallet! Sharing for sharing – because sharing is caring!

A dedicated web service is going to be built to allow visitors to open an account and be voted for as GCC Ambassador Programme Members. Members will be chosen by the community via a voting system every 3 months. Each member can be a candidate in the next periods as well. Members should attach to their profiles the "proof of work" files, such as screenshots that will show what they have achieved for the community. The maximum seats for members will be released as soon the alpha version is introduced in Q3 of 2018. Transaction fee share will be released once per 3 months and shared equally among all Ambassadors as a reward for their activity.



# TECHNICAL SPECIFICATION

## Global Cryptocurrency Specification

Global Cryptocurrency is a peer-to-peer cryptocurrency with design based on Bitcoin but proof-of-stake functionality has been introduced here to replace initial proof-of-work (PoW is working within this hybrid design for initial minting but has in fact only complementary function) which contributes to greater network security. PoS algorithm is not so energy-consuming and in the long term this results in cost-efficiency and eco-friendliness. Proof-of-stake is based on coin maturity. It is generated by each node using a hashing scheme which is similar to one Bitcoin uses but does it over limited search space. Centrally broadcast checkpoint mechanism protects blockchain history and transaction settlement.

### Coin age

Although it did not play a crucial role in Bitcoin's security model, the idea of coin maturity was used in this cryptocurrency in order to support transaction prioritization, for example. Coin age is simply defined as the number of coins held multiplied by the number of days the coins have been held. In Global Cryptocurrency a timestamp field marks each transaction in order to calculate coin age. Related protocols of block and transaction timestamps are strengthened to secure the calculation of coin age.

### Proof of stake

Proof-of-work showed that the cryptocurrency network security is very much dependent on energy consumption used by miners to solve the puzzle/confirm transaction and get the reward. This mechanism creates significant costs that grow as blockchain complexity grows with each newly created block. The resulting gradual slowing of the mint rate can lead to raising of transaction fees that need to be paid in order to maintain network security. Implementing proof-of-stake helped solve this problem and reduced energy

consumption of cryptocurrency networks exponentially. Cryptocurrencies that use proof-of-stake algorithm decide on who will create the next block in the blockchain by weighing the stake of coin holders. The process might consider both wealth and coin age and it means that solving the complex puzzle as in proof-of-stake based coins is no longer necessary.

### Proof of stake calculation

Global Cryptocurrency calculation with different network difficulty and different amount of coins staking on the wallet.

For network difficulty ~125

balance: 133.8337 GCC, wait for reward: ~ 68 days, reward: +4.8

balance: 234.683156 GCC, wait for reward: ~ 47 days, reward: +5.7

balance: 289.811382 GCC, wait for reward: ~ 58 days, reward: +8.7

balance: 25994.839679 GCC, wait for reward: ~ 9 days, reward: +132

For network difficulty ~25

balance: 549.091953 GCC, wait for reward: ~ 2 days, reward: +0.76

Estimation for network difficulty ~125, user have to keep at least 10-15 GCC for 1 year to get reward.

The network cannot guarantee that everyone will get a reward within a year, as it is part of the consensus. The reward depends on network difficulty and on how much coins we stake and it is done so because the network is supposed to keep balance to produce 1 proof-of-stake block per minute. Still, the network guarantees that everyone will get reward.

### Block generation process under proof of stake

The overall process for „attempting” to mint a GCC PoS block is like so:

1. Add a coinbase transaction (zero in and zero out).
2. Try to create a staking transaction doing steps below, CWallet: CreateCoinStake.





3. Compute the PoS „kernel” - random 256bit number, CheckStakeKernelHash:

```
ss << nStakeModifier << nTimeBlockFrom << nTxPrevOffset
<< txPrev.nTime << prevout.n << nTimeTx;
```

4. Compute the „staking difficulty”, which is the base difficulty, reduced by a ratio of how many coins you are staking (the coinage of your coins),

```
CBigNum bnCoinDayWeight = CBigNum(nValueIn)
nTimeWeight / COIN / (24 * 60 * 60);
CBigNum bnProduct = bnCoinDayWeight
bnTargetPerCoinDay nTargetMultiplier;
```

5. Compare the kernel’s hash against the staking difficulty:

```
if (Hash(ss)
<= bnProduct) – success, meets protocol
```

6. If the hash meets the difficulty then continue, otherwise go back to step 2 trying other UTXOs in your wallet that are suitable for staking.

7. Prepare block normally, with transactions from network.

8. Now you have a valid PoS block. The final step is to sign the block header, proving that you own the staking transaction from step 2.

## GCC Params

Symbol GCC

Algo x13

Circulation Supply <https://blockchain.thegcccoin.com/chain/TheGCCcoin/q/totalbc>

Block Generation 1 min.

Tx fee min 0.000001

According to the current implementation transaction fee is calculated per 1kB of transaction size. Formula is:

$1 + \text{nBytes} / 1000$

Usual transaction size is ~300-400 bytes - so fee is equal 1 -> 0.000001 GCC. Transaction size depends on number of inputs and outputs, so for transactions with a lot of inputs and/or outputs - minimum fee will be larger.

Transaction Fee from Wallet GUI 0,088%

Coin PoS Age min 24 minutes

Coin PoS Age max no limits

Stake Rewards: (in 2018 stake rewards can be changed because of MN implementation)

Max 18 % until 10.04.2019 annually

## Anonymous Cryptocurrency

Tor is a distributed ‚onion’ network, that makes it more difficult for an adversary to track any one peer on the network. GCC is integrated with a Tor network. We increase the level of privacy for our crypto users to reduce the likelihood of being hacked or attacked by other legal & illegal entities.

## Distribution

<https://blockchain.thegcccoin.com/chain/TheGCCcoin/q/totalbc>  
1 291 782 901 ATM (30.05.2018)

Company holds:

190 000 000 for further development, promotion, airdrops etc.

Green wallet:

8 640 000



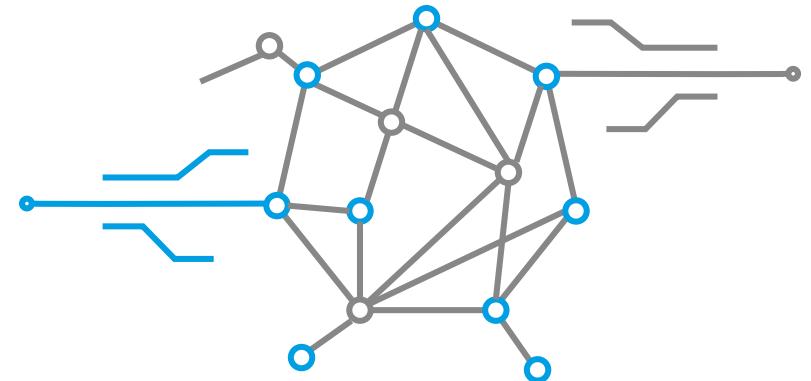


# MASTERNODES

Revolutionary masternodes combined with the GCC 3D Café franchise. Our team decided to and is already working on the integration of masternodes into GCC source code, combined with proof-of-stake functionality. We plan the rewards for both to be split and generated in each block. Everyone who purchases a specific amount of coins and sets up a masternode can generate passive income and get rewards for supporting GCC network. On top of that, we are also implementing a revolutionary vision for the masternodes and their use-case in real world as probably the first blockchain project in the world. Our plan is to combine masternodes with GCC 3D Café franchise to provide a real and common use for the masternodes within blockchain consensus and generate in this way passive income that will work as an incentive for café clients. Each GCC 3D Café will be obliged to launch a GCC masternode and will share part of the reward with the local community in a form of free airdrops to promote the use of cryptocurrency as a payment method in the café. Location based airdrops will be integrated into GCC wallet iOS and Android versions. Free airdrops will give customers not only cheaper coffee, but also they will serve as a discount for all products available in all GCC 3D Cafés. This will have one purpose - to share the vision of GCC as a universal payment method and not to promote only the speculative aspect of cryptocurrency Satoshi Nakamoto's vision was based on.

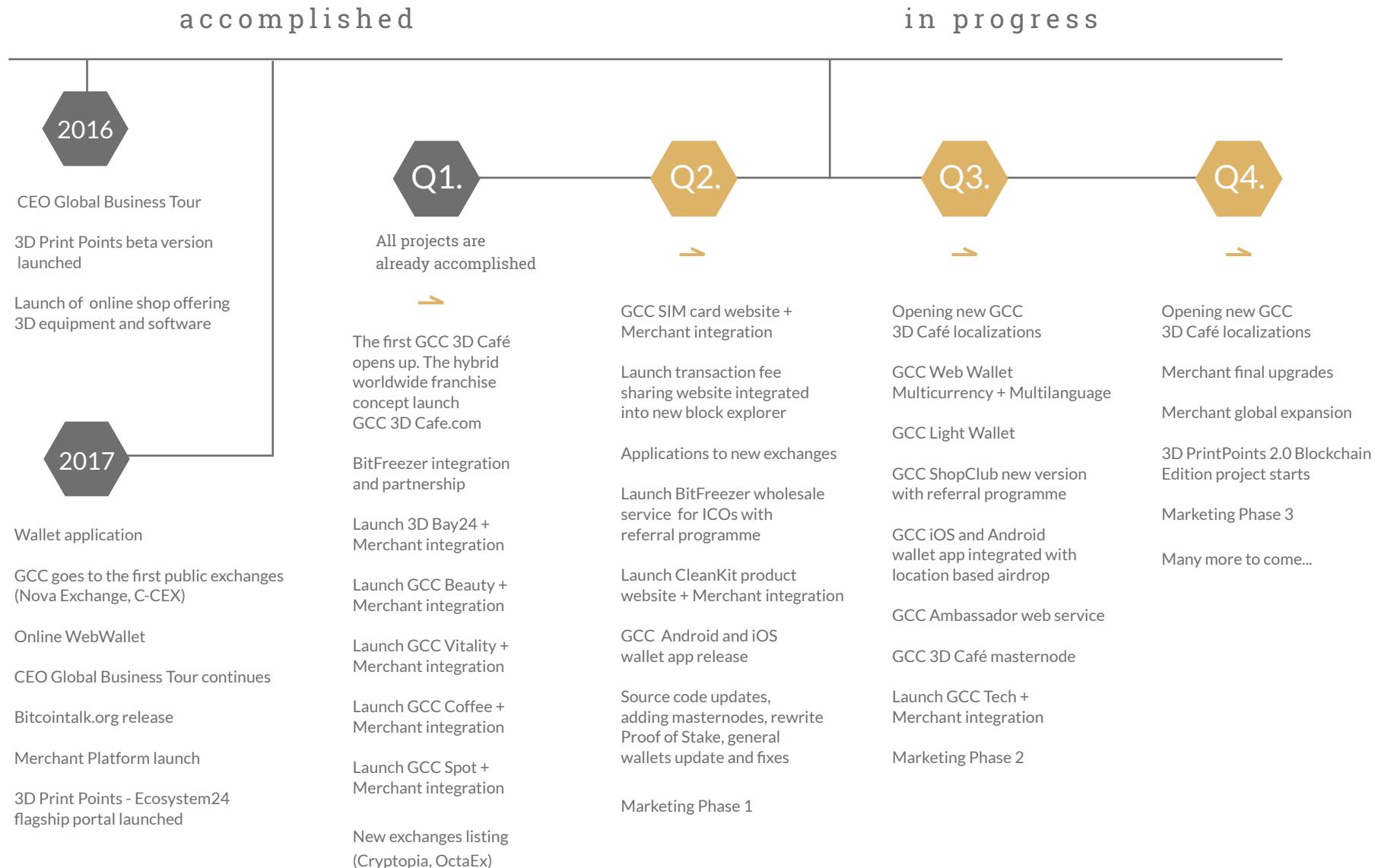
## What is a masternode?

Typically, blockchain nodes' function is to verify transactions in the network. Masternodes are computers in the blockchain network that have a specific amount of coins frozen on the wallet and are responsible for decision making and mixing transactions. They promote decentralization of the blockchain and enhance network security. Investors who setup a GCC masternode will be granted a reward for playing that role. Masternodes protect blockchains from network attacks similarly to regular proof-of-stake algorithms. Initial costs off masternodes and rewards will be announced soon.





# ROADMAP





## TEAM

We are a group of creative professionals and enthusiasts of new technologies, who decided to make our planet a better place while making our dreams come true!

The founder, owner and CEO of the company behind GCC which started in 2013, Jan M. Pasboel, is an accomplished business entrepreneur. He has been in manufacturing and International business operations since 1990. It was his vision to create the world's largest decentralized green manufacturing community, with a sharing economy, by re-thinking manufacturing, logistic & micropayments utilizing 3D printing technology. His brother has been building, researching and developing 3D printers since 2009 and has been teaching youngsters about 3D printing for the last few years. Blockchain technology will be utilized to obtain data from people customized creations and purchases, as well as CO<sub>2</sub> neutralization of the entire product cycle.

Our head office and 3D printing R&D center is based in the center of the Europe – Poland. You're very welcome to visit us, if you like!

**Jan M. Pasboel**

CEO & Founder



28 years of international business experience in various industries, including general management of operations, product development, strategy implementation, production, investment and corporate development. Created multiple successful companies and projects in several countries worldwide from manufacturing products for the hospital sector to creating a marketing and educational company for introducing new technologies in Japan. Jan is a professional businessman with attention to details which is combined with his extreme passion and endurance that allowed him to give life to multiple corporate identities. His idea to promote 3D printing and merge it with a cryptocurrency that would be commonly used within various internal and external services resulted in the creation of Global Cryptocurrency. His great energy is an inspiration to others. He always says that everything you can imagine is real and possible!



**Anna Urbaniak**  
Chief Financial Officer

Experienced financial strategist and developer of financial models that recognize current market trends. Efficiently assesses financial feasibility of investments combining theoretical and practical knowledge of finance (financial reporting, taxes, cash flow and more) with a deep understanding of how to create and implement financial processes and procedures.



**Dorota Ewertowska**  
Chief Administrative Officer

Marketing and Management specialist with over 26 years of experience in national and private entities. Worked as an assistant at a state government office and a country-wide foundation for processing information on business. Head of marketing of numerous private companies. Project manager of GCC Beauty branch. Runs her own company in the beauty industry.



**Katarzyna Dynowska**  
PR manager  
& social media specialist

Graduated in Economy from Poznań University of Economics and Business and post-graduated in Company Management. Worked at sales agency of Millennium Bank, leader of a country-wide financial project realized by DGA S.A. agency of enterprise development. She conducted her own business in the field of luxury products.



**Mungo Keulemans**  
Chief Commercial Officer

Completed an Industrial Engineering degree in 1995 in South Africa. Over next 15 years built a group of start-ups covering industrial high-tech in the Central East Europe. He spent 7 years in Mitsubishi Electric Corporation in variety of senior management roles including 4 years in Tokyo HQ followed by 2 years as Vertical Marketing Director of their FA division for EMEA. During this time he also led the open architecture industrial network organization CLPA as Director for EMEA. In this role he actively participated in European level discussion around the IIOT (Industrial Internet of Things), Industry 4.0 and IA in M2M functionality. For the past 9 months he has served as the CCO for the GCC project during a dynamic growth phase. Going forward he will continue to help this project in an advisory role. Always keen to golf, scuba dive and share a good bottle of red wine with friends.



**Denys Chernogorov**  
Chief Web Officer

Completed Programming studies at the National Technical University of Ukraine of Kiev Polytechnic Institute. His adventure with programming began at the age of 13. Since that time he has been creating websites and programs in C++ and from the early years has been involved in working on high-load environments. Head of IT team at Global CryptoCurrency. Has great interest in microelectronics, music and DJ-ing.



**Krzysztof Pytel**  
Content editor &  
social media specialist

Master's degree from Adam Mickiewicz University in Poznań in the field of discourse analysis. Specializes in language and communication in mass media and politics. Since 2012 has worked as a freelance translator, copywriter and journalist with companies such as Freshmail.pl and SDL translation office. Enjoys writing reviews of electronic music.



**Tomasz Dolski**  
Project Development  
Consultant

Master's degree in Marketing and Management. Independent IT consultant. In cryptocurrencies since 2013 - he worked as a programmer for startups and the GlaxoSmithKline (GSK) corporation. Winner of Matchpool project social initiatives, director of development in Sirius Project (LoMoStar - China). Keen on music - released his own album in 2009



**Magdalena  
Glawer-Walińska**  
Graphic Designer

Graphic art designer with more than 15 years of experience. Graduated from the Academy of Fine Arts in Poznań in the field of Art Design. Worked in advertising agencies as a graphic art designer creating projects for numerous brands (Pizza Hut, Multikino, JTI, VW, Regatta, Campus, D2B, Semilac, Jeronimo Martins, VOX). Since 2008 has worked as a graphic design manager and managed a team of graphic designers. Enjoys snowboarding and horse riding.



**Ganesh Gupta**  
Support Manager

Coming from a small village close to the Nepal border in India, his interest in the Slavic languages and cultures has brought him to Poland. He has Master's degrees in Management and Polish Philology and six years of working experience in a customer support field in the companies like NewsLink, Oracle, ACN etc. In his free time, he likes exploring new places, listening to music, and meeting new people.



**Michał Czapski**  
Graphic Designer

In Graphic Design since 2002. Has worked for brands like Allegro, Citeam, Getin Bank, Crédit Agricole, Becks and many more. Believes in the power of minimalism and Zen approach to design. Enjoys pop & counter culture, drawing, kung-fu, trekking woods, good movies, tea and reading. MMO player. Hooked on design.



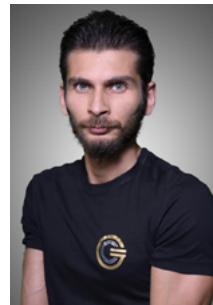
**Ilona Urbaniak**  
Technical Support Specialist

Master's degree in Marketing and Management with specialization in companies and products consulting in the field of marketing and advertising. Involved in realization of numerous projects and implementation of advertising materials and customer service in production of advertising. Web and graphic designer. Keen bike traveler.

**Julita Łoboda**

Technical Support Specialist

Graduated in Information Technology & Econometrics from Poznań University of Economics. Has extensive experience in working with customers. Fluent CRM, ERP and ITIL systems user effectively managing databases in MySQL environment. At the university she volunteered as a part of Children's Economics University.

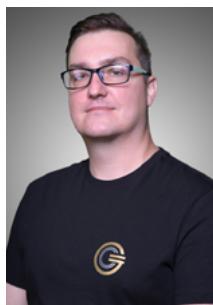
**Seraj Al-hmaedan**Motion graphics & 3D  
Printer developer

Doctor of Pharmacy with a true passion for technical inventions, mechanics and electronics. Helps improve the technology of 3D printing by developing new features and innovation solutions for 3D printers. Skilled creator of movies and graphics who spends hours on modelling, rendering and special effects.

**Jakub Kuźnicki**

Back End Developer

Studied at Poznań University of Life Sciences. Backend web developer that can fix almost anything. Works with the GCC team to diagnose and resolve backend bugs and support requests. Specialized in MySQL and PHP. Enthusiast of new technologies. Very interested in cryptocurrency business development, participated in number of projects and attended numerous events. Strongly convinced that blockchain technologies are the inevitable future.

**Łukasz Konieczny**

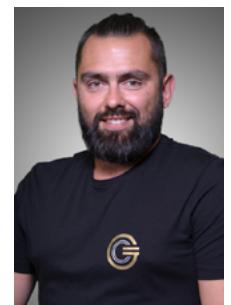
Senior PHP Developer

Completed IT studies at Poznań University of Technology specializing in programming. He gained experience working at Telekomunikacja Polska S.A. For over 17 years he has successfully operated in the IT industry also leading his own Studio Moyoki Poland, a company providing programming services for customers throughout Europe. Currently fully engaged in cooperation with Global Cryptocurrency.

**Lidia Krzyżaniak**

Financial Accountant

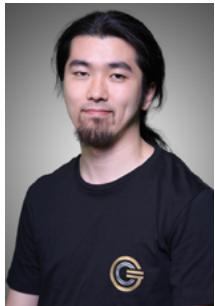
Graduated from Poznań University of Economics as a specialist in investments and property management. Has a 10-years' experience as an accountant and bookkeeper in accounting agencies and Archer Daniels Midland company. Knowledgeable user of Subiekt GT, RAKSQL, SAGE, SAP, JD Edwards and OneWorld. Enjoys doing sports and aerobics.

**Kirył Rumianciew**

Full Stack Developer

Full stack developer at Global Cryptocurrency who codes, administrates and debugs systems from back to end. Built experience working as a web developer in SaaS developing a travel platform that integrates global travel providers. Skilled in PHP programming including Symfony framework, works on Javascript including Vue.js framework, PostgreSQL and MySQL. An accomplished Quake 3 Arena fragger and Snake player, too.





**Andre Nakazato**

Front End Developer

Self-taught with technical courses. 4 years of experience in the development of small and medium-sized website interfaces and systems based on WordPress or web technologies such as HTML5, CSS and JavaScript (AngularJS and Vue). Brands worked on: Sylvoia Design, Tudo Sobre Loterias, Think Plastic Brazil, Miyashita Consulting. (The rumor has it Andre works after hours as the REAL Satoshi).



**Maciej Cisławski**

IT Specialist

Ethnolinguist running his own IT company. Solves IT problems from configuring and supervising networks, to software implementation, to hardware maintenance and assisting warranty and non-warranty service. Has worked in the Global Cryptocurrency project since the early days. Great fan of modern technologies and football.



**Katarzyna Cisławska**

IT Specialist

Graduated in Computer Science. Since the IT studies she has been developing her skills as a freelancer and owner of a local IT company. Working in IT area with numerous companies taught her to solve both software & hardware problems smoothly and efficiently. Tennis player, football and Sid Meier's Civilization fan. Since primary school she's been keen on riddles and puzzles.



**Dawid Nowik**

3D Printing Specialist  
& 3D Designer

Completed BA studies at Poznań University of Technology specializing in Management. Skilled 3D modeler and printer with a practical knowledge of project optimization. Designs complex objects with a minimum material waste, time-efficiency and hardware maintenance in mind. Works on Cura software. Accomplished football player, pro-gamer and fishing fan.



**Jacek Lisewski**  
Head of GCC 3D Café

For over 20 years working for the largest brands in the world (Volkswagen, Audi, Porsche, SAP - on director position and member of directors board). Creation is his second name. He is not afraid of challenges, he loves people and travels. He is a screenwriter and director of musical and theater performances. Music is his greatest love, which is why you will most often meet him in the headphones. He will be probably listening to jazz.



**Teresa Hauser**  
Head of Controlling

Teresa is a person of many specializations. She likes working with people, setting further goals and striving to implement them. For over 20 years she has been managing human teams in various industries as CEO. She is a perfectionist, always strives for the best solutions. always ready to help anyone and in any situation. Privately she loves cats and sea food.

## Dmitriy Zakharchuk

Engineer

Graduated from National Technical University of Ukraine, Bachelor's degree in Computer Engineering. He was trained in a „Unit Factory”. Together with his team he took part in the „Cactus” hackathon where he developed an application for purchasing used cars. At Global CryptoCurrency he develops new interfaces and supports various projects. Fancy studying new technologies and solving sophisticated problems.

## Evan Likhvar

Engineer

Graduate of National Technical University of Ukraine, Faculty of Electronic Systems. Specializes in systems of design automation. Chief of IT department, DB developer, security administrator and projects manager at Lantmannen Axa. Chief of local branch, projects manager, software developer, technical support specialist for software and hardware at Exorigo Ukraine. The main achievement - everything worked everywhere.

## Artem Golovanov

Engineer / Programmer

Completed studies at National Metallurgical Academy of Ukraine in the Department of Information Technology and Systems. An experienced analyst of computer systems. Enjoys literature, meditation and fishing.

## Kyrylo Tarasenko

Software Engineer

He has Bachelor's degree in philosophy and now he is about to receive his Master's degree. Worked on the development of Dreamext, Web4u. Now he is an HTML and CSS guru. His main interests are prototyping, UX design and front-end methodologies.

## Oleg Chernogorov

Engineer

An experienced electronics engineer. Since 1993 he has managed numerous state and private companies. A candidate for the master of sports of Ukraine in rock wall climbing. Enjoys traveling and music.





## ADVISORY BOARD



**Jacek Kulmacz**

Business strategy  
& marketing consultant

Graduated in Economy & Business Strategies, independent consultant with over 12 years of experience. Expert in marketing, author of successful business and marketing strategies for small entrepreneurs and global companies. Guitar enthusiast and volleyball player. Brain for business – heart for design.



**Anton Ungerer**

Contributor

Scientist, serial entrepreneur and business owner. Has been developing solutions and products in an alternative healthcare industry for almost 19 years. Anton's passion is in good quality water, the foundation of all life and the very first step in path back to health and vitality. He has developed amazing applications using the building blocks of life: sound, light and geometry. These applications have shown huge benefits for best hydration, natural pain relief, animal husbandry, agricultural industry and overall improved vitality. Anton is now ready to place this on a global platform and is going to partner with responsible companies to introduce these amazing products and technologies to the world.



**Joe Johnston**

Advisor

Founder of Crowdlift. Specializes in early stage startups product/market/launch strategy & execution. Advises and consults with companies on growth hacking, automation, go-to-market, and customer acquisition strategies. Currently also works as an advisor for Datum.



## SUMMARY



We're ready for a full speed global expansion!

1. Get some GCC on one of the exchanges.
2. Download our wallet and start minting coins, open account on webwallet or store your coins offline using GCC BitFreezer cold wallet.
3. Do some GCC shopping in one of our online stores, top up pre-paid SIM card, enjoy 3D printing or visit our GCC 3D Café and pay with GCC directly at the counter!
4. Stay in touch with us and watch our further development - don't forget to spread a word about GCC to boost global acceptance!



[www.TheGCCoin.com](http://www.TheGCCoin.com)

PARTNERSHIP



EXCHANGES

