

## Welcome to Arcturus



# Welcome to Arcturus world !!!

ARCTURUS is a start-up company specializing in creating cryptocurrencies for smoother transactions.

## -->> WHITE PAPER <<--

## What is ARCTURUS?

ARCTURUS is the next generation future-ready cryptocurrency developed using the stout blockchain technology with own custom-made algorithms. The name 'ARCTURUS' has been inspirationally taken from name of the brightest star of the same name in the northern hemisphere.

### Things that make ARCTURUS special include:

- Users have complete switch over privacy –it's the user who decides which information will be available and to which parties, having whole control over his private information in accordance to his will and applicable laws.
- Confidentiality without penalty - in ARCTURUS confidential dealings do not cause inflation of the blockchain, avoiding unnecessary computational overhead or forfeiture on performance or scalability while entirely concealing the transaction value.
- No trustworthy setup required.
- Blocks are mined using Equihash Proof-of-Work algorithm.
- Limited release using periodic halving with total amount of coins ~250 million.
- No addresses are stored in the blockchain - no data whatsoever about either the sender or receiver of a transaction is deposited in the blockchain.
- Superior scalability through compressed blockchain size makes the ARCTURUS blockchain orders of magnitude lesser than any other blockchain implementation.
- ARCTURUS supports many transaction types such as escrow transactions, time locked transactions, atomic swaps and more.
- No premine. No ICO. Backed by a treasury, emitted from every block during the first five years
- Implemented from scratch in C++ by a team of professional developers.

## Introduction to the age of digital transactions:

It is a well-known fact now that proposed by Satoshi Nakamoto back in the field of crypto currencies technologies and research papers, Bitcoin was the first implementation of the idea of a peer to peer electronic cash system. Today one can find such projects varying from distributed computing to even broader enterprise solutions and have been applied to diverse fields from healthcare to metallurgy to automotive industries.

But the most important thing that remains constant even today making Bitcoin still the top cryptocurrency and is as influential today as it was almost ten years ago is the basic need for people to store their money and transact in a secure way without relying on a centralized authority. This is also still the main use case and is most important as well.

Similar to most other cryptocurrencies in case of Bitcoin too, your balance is denoted by a series of transactions which can be tracked back to the very beginning of a blockchain. In order to have faith on the system we need to make sure that each transaction in a chain is valid, and to do so without being dependent on a centralized entity, which is the main purpose of Bitcoin nodes and miners. All contributors in the system must approve, or using more professional terms "reach consensus" on an official version of the transaction history and also be able to do so without trusting each other or anyone else. The ability of the system to do so is the true strength of the Bitcoin idea.

## Failure of Anonymity and the Need for Confidentiality:

To begin with, transactions in the Bitcoin network were supposed to be anonymous. By spawning random private and public key pairs, and expending the public part to form an address that could be employed to receive and control transactions, many Bitcoin users presumed that nothing in that process could serve any linkage to their real identity.

But, this did not happen. Using blockchain analysis, research has shown that there are always data. Such data can originate from a number of means like the merchants, exchanges, OTC deals or even by gathering and clustering the blockchain data. It is then possible to identify users, and since all data, together with transaction amounts, is open and permanently stored in a public ledger, once the identity of users is known all their transactions past and future as well as their balance, become directly linked to them as a person.

But, ideally no organization or individual prefers it. Everyone wants their transaction whether in digital or real-world transactions to be extremely private and confidential. These can only be accessed ideally by those authorized with the power to do so.

This would call for limiting the transparency of transaction details, comprisingof transferred amounts and identities of the participants and maintaining as little evidenceas possible about the transactions available in the public records to avert future analysis and a potential disclosure which is likely quite often.

## Introducing ARCTURUS

We are a pioneering startup established in 2019 in the field of cryptocurrency development and also stepping in the world of digital transactions based on blockchain technology.

We have engineered are own cryptocurrency called ARCTURUS. Our website design, name and logo has also been inspired from the same.

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Significantly, it is the brightest star in the constellation of Boötes, the fourth-brightest in the night sky, and the brightest in the northern celestial hemisphere. Similarly, in the world of digital transactions based on blockchain technology, ARCTURUS, as a cryptocurrency is aimed at transforming transactions in the hospitality and travel industry secured and seamless to redefine them to the next levels.

Born a couple of years ago with the idea lurking in mind to fill the gap between financial and crypto world and the hospitality and travel industry, our boarder aim is tobe licensed cryptocurrency exchange platform, providing a full service suite for all institutional and private hospitality and travel business clients.

Our target is to ensure that after 5 months people should be able to buy the ARCTURUS token using BTC and withdrawal can only be performed after 6 months.

The cryptocurrency ARCTURUS is destined to empower any crypto related projects to overcome any existing barrier in investment and adoption, while being fully regulation compliant and banking-friendly.

## Cryptocurrency: A boost for hospitality sector

There are several reasons why cryptocurrency and crypto payments are well-matched for the hospitality sector. With Bitcoins as the future of payments, incorporation with hospitality businesses has many promises for growth and increased sales.

### Upsurge in value:

Just a few years ago, retailers and major chains were reluctant to accepting cryptocurrency payments. Had they been doing so in 2017, where one Bitcoin was worth over £2K, the value of that same Bitcoin would be above £7K now. We should point out that from then, till date, Bitcoin against GBP has risen to £8K. Thus it evident that it’s a constantly evolving market!

Though it was undoubtedly a disadvantage for retailers that could not allow crypto payments. But with the evolution of new users and digital wallets created every day, it’s tough to ignore the popularity of cryptocurrency and how it has the potential to erase fiat currency (government regulated money i.e. GBP, USD) altogether.

### Prospective customers:

An EPOS attuned with cryptocurrency would widen your customer base and drive more sales to a business. Not only will Bitcoin users be transformed as your customer base, but non-users will also be titillated by a business accepting crypto payments. It will also be a promotional opportunity for your business, by taking this ground-breaking approach and catering to a market on the rise.

We have highlighted on how there are new users and wallets created every day – these are people with Bitcoin to spend. For those who have been Bitcoin users since its earliest days, they will have a considerable amount of Bitcoins, all of which have increased in value over the past few years. These are potential prospective customers that would fetch in more sales as well as new customers to your business too.

### Future Payments:

With ARCTURUS, the process is unpretentious and accessible. We’re always looking for new innovations and ideas that will benefit hospitality businesses with the use of cryptocurrencies.

Cryptocurrency is a topic of interest and has the potential to be implemented in hospitality to allow a newer form of payment easing all worries enabling them to travel all over the world without carrying any physical cash. The worries of currency conversions, devaluations and upsurges while conversions etc. also do not exist here.

Thus ARCTURUScan be a ground-breaking yet robust crypto mode of payment to transform the future of payments for hospitality and fooding industry.