

The etherMillennium Coin of the Century

Digital Dollar Coin (DDCT)©



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Abstract

Cryptocurrency, Blockchain, and Ethereum ERC-20

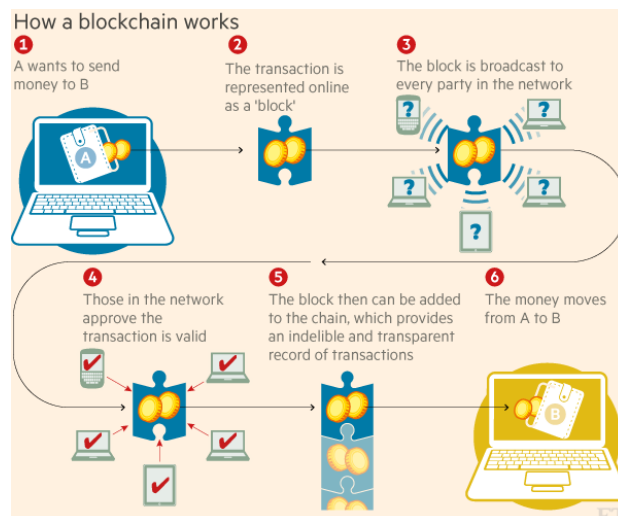
A cryptocurrency is a digital or virtual currency that uses cryptography for security. A cryptocurrency is difficult to counterfeit because of this security feature. A defining feature of a cryptocurrency, and arguably its most endearing allure, is its organic nature; it is not issued by any central authority, rendering it theoretically immune to government interference or manipulation. It is any kind of peer-to-peer digital money powered by the Blockchain technology. Since Bitcoin's appearance in 2009, hundreds of new cryptocurrencies (often called altcoins) have been created, all of which offer different advantages and disadvantages compared to Bitcoin. The Blockchain itself is based on the principles of cryptography, hence the name "cryptocurrencies".

Think about a blockchain as a distributed database that maintains a shared list of records. These records are called blocks, and each encrypted block of code contains the history of every block that came before it with timestamped transaction data down to the second. In effect, you know, chaining those blocks together. Hence blockchain. A blockchain is made up of two primary components: a decentralized network facilitating and verifying transactions, and the immutable ledger that network maintains. Everyone in the network can see this shared transaction ledger, but there is no single point of failure from which records or digital assets can be hacked or corrupted. Because of that decentralized trust, there's also no one organization controlling that data. The power of blockchain's distributed ledger technology has applications across every kind of digital record and transactions.

Ethereum, the popular cryptocurrency and blockchain system, is based on the use of tokens which can be bought, sold, or traded. There are several different tokens which may be used in conjunction with Ethereum, and these differ from ether, which is the currency native to the Ethereum blockchain. Tokens, in this case, represent digital assets that can have a variety of values attached. They can represent assets as diverse as vouchers, IOUs, or even objects in the real world. In this way, tokens are essentially smart contracts that make use of the Ethereum blockchain. One of the most significant token standards of all for Ethereum is called ERC-20, which was developed about a year and a half ago. In short, the ERC-20 defines a common list of rules for all Ethereum tokens to follow, meaning that this particular

token empowers developers of all types to accurately predict how new tokens will function within the larger Ethereum system. The impact that ERC-20 therefore has on developers is massive, as projects do not need to be redone each time a new token is released. Rather, they are designed to be compatible with new tokens, provided those tokens adhere to the rules.

ERC-20 defines six different functions for the benefit of other tokens within the Ethereum system. These are generally basic functionality issues, including how tokens are transferred and how users can access data about a token. ERC-20 also prescribes two different signals that each token takes on and which other tokens are attuned to. Put together, this set of functions and signals ensures that Ethereum tokens of different types will typically work the same in any place within the Ethereum system. This means that almost all of the wallets which support the ether currency also support ERC-20 compliant tokens.



Therein lays the rationale for selecting Ethereum as the preferred choice for **DDCTs** crypto mining. Make Sustainability & Renewability with **DDCT** your First Choice today!
[Power, Energy, Life] Check it out!

Introduction

Ether, the digital currency of the ethereum blockchain, made significant gains on the day of the Thanksgiving holiday. The cryptocurrency hit an all-time high of \$425.55 Thursday, according to data from industry website Coinmarketcap. This broke a previous record high of \$414.76, which the digital currency's price reached in June. Ether has risen by more than 5,000 percent since the start of the year. It is the second-largest cryptocurrency, with a market capitalization of more than \$40 billion.



Ethereum is currently the second most valuable cryptocurrency after Bitcoin on the market just two years after its launch, and in 2018 it's set to become even more talked about. Ethereum is similar to Bitcoin in the sense that they're both open-source platforms based on blockchain technology. But while Bitcoin is limited to using blockchain technology for Bitcoin payments, Ethereum can be used to build decentralised computational platforms.



Ethereum's currency, the ether, also runs on sophisticated "smart contracts" which uses an if:then system, which means it can only be traded if certain conditions are met. **DDCT's** choice for Ethereum is thus both deliberate and strategic.

Our global future depends on Sustainability. The importance of finding a sustainable future is rooted in three issues that are very much linked to one another: 1) fossil fuel depletion, 2) climate change due to CO2 emissions, and 3) the increasing costs of energy and water.

Since the industrial revolution, the world's industrialized nations have been founded on access to "cheap" fossil fuel energy. We all know that fossil fuels are a finite resource, and it's alarming that demand for fossil fuels continues to increase. As other nations, such as China and India, become more industrialized, the global demand and price of fossil fuels will further increase, as will emissions of CO₂. We're also witnessing steady increases in the prices of energy from other sources, and in turn, the cost of fresh water. This is placing an increasing burden on economies worldwide, as well as the costs that an average homeowner faces.

We consider a move to greater sustainability, in all aspects of life, critical to our future. We only have one earth. We must find ways to reduce our harmful impact on the environment. Let us focus on increasing sustainability through a community effort by starting with the support of **DDCT**'s mission. **DDCT** is for the long haul. Let's make it happen!

Objective

The aim of the **DDCT** cryptocurrency release is to build a community of enthusiasts that takes Sustainability and Renewability seriously enough to want to build a strong force for action with enough resources that can create influence and guide behavior in relation to Sustainable Development.

Our ultimate goal is to inspire hundreds of millions of users to join us, and build a self-supportive, decentralized ecosystem, which supports a better world by leveraging the Ethereum blockchain technology to create an unparalleled, self-supporting global system of Sustainability.

Opportunity

In order to gain widespread support and use, a payment asset needs to be stable and predictable. The Ethereum market is maturing rapidly and therefore, early entrants especially, are likely to benefit over later entrants to the **DDCT** ether. Ethereum has a built-in, automated inflation and deflation control mechanisms which ensure the price stability required to carry out real life transactions. In addition, there are some noteworthy changes in the sustainability market. Growth opportunities and competitive advantages seem readily available to flourish with the right mindset and attitudes.

% of respondents, n = 2,956

Business processes into which sustainability has been completely or mostly integrated

Mission and values	67	Strategic planning	57
External communications	60	Marketing	54
Corporate culture	59	Employee engagement	50
Internal communications	58	Supply chain management	41
Operations	58	Budgeting process	39

According to executives of major organizations, sustainability is becoming a more strategic and integral part of businesses. This is a welcoming trend and one that needs all the support it can get. Let's do our part!

Benefits

Human activity is overloading our atmosphere with carbon dioxide and other global warming emissions, which trap heat, steadily drive up the planet's temperature, and create significant and harmful impacts on our health, our environment, and our climate. Electricity production accounts for more than one-third of global warming emissions, with the majority generated by coal-fired power plants, which produce approximately 25 percent of total global warming emissions. Natural gas-fired power plants produce 6 percent of total emissions. In contrast, most renewable energy sources produce little to no global warming emissions. Increasing the supply of renewable energy would allow us to replace carbon-intensive energy sources and significantly reduce global warming emissions.

Generating electricity from renewable energy rather than fossil fuels offers significant public health benefits. The air and water pollution emitted by coal and natural gas plants is linked to breathing problems, neurological damage, heart attacks, and cancer. Replacing fossil fuels with renewable energy has been found to reduce premature mortality and lost workdays, and it reduces overall healthcare costs.

Wind, solar, and hydroelectric systems generate electricity with no associated air pollution emissions. While geothermal and biomass energy systems emit some air pollutants, total air emissions are generally much lower than those of coal- and natural gas-fired power plants.

In addition, wind and solar energy require essentially no water to operate and thus do not pollute water resources or strain supply by competing with agriculture, drinking water systems, or other important water needs. In contrast, fossil fuels can have a significant impact on water resources.



Renewable energy is clean and eco-friendly. It is a renewable resource. It is a reliable source of energy, and it leads to job creation. Voila!

Target Users

Blockchain technology has been gaining increasing media coverage and public interest throughout the last year - and that growing awareness is full of promise for this new technology. The number of individuals using cryptocurrency has expanded rapidly - and the number of persons who might be considered potential crypto-users has drastically increased.

Our audiences are those mining cryptocurrencies already, those who may wish to convert to blockchain mining, and those who have an interest in the prevailing theme and other similar themes.

Conclusion

Given projections for future growth of the blockchain space, it is expected that millions of new users may find this coin interesting and may wish to be part of its revolution.

Cryptocurrencies will change the world and **DDCT** wants to be there when it happens by offering an innovative idea for a secure way to join a proactive community that serves a common and noteworthy cause.

Come join the revolution!

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