

Blockchain.....what is it?

- Blockchain technology is a **digital ledger** that provides a secure way of making and recording transactions, agreements and contracts.
- This technology operates behind the scenes, automatically distributing information to the database as new transactions are made.
- Blockchain is designed to be open and secure due to cryptography. This enables Web 3.0 to provide privacy and trust.
- Simply put, blockchain is a decentralised database or digital ledger that keeps a continuously growing list of data records or transactions (blocks) that occur on a peer-to-peer (P2P) network.
- A Blockchain is kept and validated simultaneously by a network of companies, similar to a shared spreadsheet, that no one person can change without the agreement of others.
- The technology allows a buyer and seller to interact directly without the need of a third-party to transfer goods or information.

- The technology is nearly impossible to tamper with and increasingly valuable in a world of constant cybersecurity threats.
- Blockchain technology underpins digital currencies, like bitcoin, but has many more uses. Many have compared Cryptocurrencies using Blockchain to email using the internet in the 1990's.
- Blockchain could potentially solve the double-spend problem through enabling digital scarcity.
- The technology has the potential to revolutionise middle and back office operations while saving companies billions.
- Blockchain has the ability to further enable Internet of Things (IOT) technologies.
- The technology also has the ability to make smart contracts more effectively.

Blockchain | The Infrastructure of Innovation

First Trust sees great legitimacy in the Blockchain revolution. As a leader and pioneer in providing transformational technology ETF solutions, we feel it has the potential to change technological infrastructure and have as much an impact on the world as the internet did in the 1990's.

Our conviction is based on Blockchain having such tremendous scope and the potential to impact multiple areas such as computing, security, digital transfers, P2P networking, economics, settlements, trading, as well as society itself.



Not Bitcoin

Rather than investing in (speculating on) cryptocurrencies, investors can look to invest in companies that enable blockchains to exist – a 'pick-axes to the miners' approach.

The technology also helps Investors seek out those companies in varied industries who look to incorporate blockchain technology to give them a competitive advantage over their industry peers.

The players of tomorrow in the Blockchain space are yet to be determined, but startups and large companies are already preparing.



Transformational Technology

Blockchain's transformative and disruptive technology has the ability to enable inefficient systems to be replaced and/or create new business models spanning multiple industries. \$20 billion 2024 Blockchain

Blockchain by Numbers

Market Value Projection – Up From \$400m In 2017 - Your Tech Diet

> **\$2.1 billion** Spent globally on Blockchain solutions in 2018 - Your Tech Diet

\$715 billion Estimated

Global Remittances in 2019 - World Bank

The economic value of IoT has, if anything been underestimated; McKinsey Global Institute "looked at more than 150 specific IoT applications that exist today or could be in widespread use within 10 years and estimate that they could have a total economic impact of \$3.9 trillion to \$11.1 trillion per year in 2025"



Decentralisation Inspiring The Future

The technology aims to decentralise the internet and eliminate the need for an intermediary - correct flaws, enhance security, boost data flow and improve transparency while being harder to hack.

As such, heavy investment in Blockchain over the last few years has been very evident with healthy growth predicted.



Revolutionising Remittance And The Unbanked

Global banks are investing in blockchain startups while bigger players are taking a closer look at the technology's benefits and expect remittance prices to be reduced.

Bringing financial services to the unbanked could have a major impact on developing nations and society as a whole.



Internet of Things (IoT)

(IOT) revolves around increased machine-to-machine communication and is built on cloud computing and networks being mobile, virtual, and instantaneous.

This advancement has seen an array of major and minor players in the technology field investing to integrate Blockchain, and be part of the evolution. The **First Trust Indxx Innovative Transaction & Process UCITS ETF (IE00BF5DXP42),** seeks investment results that correspond generally to the price and yield (before the Fund's fees and expenses) of an index called the Indxx Blockchain Index (the "Index"). The Index is designed to track the performance of companies that are either actively using, investing in, developing, or have products that are poised to benefit from blockchain technology and/or the potential for increased efficiency that it provides to various business processes.

Index Construction

- The Index tracks the performance of exchange-listed companies across the globe that are either actively using, investing in, developing, or have products that are poised to benefit from blockchain technology.
- To be included in the index, a company must meet strict eligibility criteria which include market capitalization and trading minimums.
- The index construction process sorts the companies into categories based on their exposure to blockchain technology and selects only those companies that have devoted material resources to the use or development of Blockchain technology.
- The selected companies are equally weighted within their category and the index is capped at 100 companies.



Security Classification

Active Enablers Companies actively developing blockchain technology products or systems for their own internal use and for the sale and support of other companies; companies that are direct service providers for blockchain technology; or companies that have business models that rely on delivering products or services that use blockchain technology. Companies in this category are assigned a score of 1.

Active Users Companies that are using blockchain technology that is generally supported by an Active Enabler or have at least one use or test case of using blockchain technology. Companies in this category are assigned a score of 2.

Tier 3

lier

2

Tier

Active Explorers Companies that have publicly disclosed that they are active in exploring the incorporation of blockchain technology into their business or have a press release on their website or a news article stating that they have started working on the blockchain technology space. These companies do not have at least one use case or test case on blockchain technology and are not currently directly incorporating blockchain technology into their business. Companies in this category are assigned a score of 3.

¹This rule does not apply to existing index constituents

Risks

- The First Trust Indxx Innovative Transactions & Process UCITS ETF (the "Fund") shares will change in value, and you could lose money by investing in the fund.
- The Fund's shares will change in value, and you could lose money by investing in the fund. One of the principal risks of investing in the fund is market risk. Market risk is the risk that a particular security owned by the fund, fund shares or securities in general may fall in value. There can be no assurance that the fund's investment objective will be achieved.
- The Fund may invest in securities issued by companies concentrated in a particular industry or sector, which involves additional risks including limited diversification. The fund may invest in small capitalization and mid capitalization companies. Such companies may experience greater price volatility than larger, more established companies.
- The prices of equity securities fluctuate for several reasons, including changes in investors' perceptions of the financial condition of an issuer or the general condition of the relevant stock market, such as market volatility, or when political or economic events affecting the issuers occur.
- If the Fund has lower average daily trading volumes, it may rely on a small number of third-party market makers to provide a market for the purchase and sale of shares.
- The Fund may invest in depositary receipts which may be less liquid than the underlying shares in their primary trading market. Changes in currency exchange rates and the relative value of non-U.S. currencies will affect the value of the fund's investment and the value of fund shares.
- The Fund currently has fewer assets than larger funds, and like other relatively new Funds, large inflows and outflows may impact the fund's market exposure for limited periods of time.
- Diversification does not guarantee a profit or protect against loss.
- Blockchain technology is an entirely new and relatively untested technology and may never be implemented to a scale that provides identifiable economic benefit to the companies included in the index. Blockchain systems could be vulnerable to fraud. There is little regulation of blockchain technology and because blockchain technology systems may operate across many national boundaries and regulatory jurisdictions, it is possible that it may be subject to widespread and inconsistent regulation. The values of the companies included in the index may not be a reflection of their connection to blockchain technology, but may be based on other business operations. Currently, blockchain technology is primarily used for the recording of transactions in digital currency, which are extremely speculative, unregulated and volatile. Because digital assets registered in a blockchain do not have a standardized exchange, like a stock market, there is less liquidity for such assets and greater possibility of fraud or manipulation.
- As the use of Internet technology has become more prevalent in the course of business, the strategy has become more susceptible to potential operational risks through breaches in cyber security.
- Neither First Trust Global Portfolios Limited ("FTGP") nor any of its affiliates, guarantees the performance or the future returns of the Fund.
- For more details relating to risks of investing in the Fund, please refer to the "Risk Factors" section of the Fund's prospectus.

Important Information

This financial promotion is issued by FTGP of 8 Angel Court, London, EC2R7HJ. FTGP is authorised and regulated by the UK Financial Conduct Authority ("FCA") (register no. 583261). The Fund is not regulated by the FCA.

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The Fund is an open-ended sub-fund of the First Trust Global Funds PLC (the "Company"), an umbrella UCITS fund with segregated liability between sub-funds, incorporated with limited liability as an investment company with variable capital under the laws of Ireland with UCITS registered number 514357.

The material in this document is not comprehensive and must therefore be read in conjunction with the Fund's prospectus, which contains material information not contained herein, including the terms of investment and information regarding investment risks and restrictions, fees and expenses and conflicts of interests. Potential investors should pay particular attention to the risk disclosures in the "Risk Factors" section of the Fund's prospectus. No assurance can be given that the Fund's investment objective will be achieved or that the Fund will generate a positive return. Contact FTGP or visit www.ftglobalportfolios.com to obtain a Prospectus and/or Key Investor Information Document (available in English).

Shares of the Fund are not available for sale in any state or jurisdiction in which such sale would be prohibited. The shares of the Fund have not been registered under the US Securities Act of 1933, as amended, and the Fund is not registered under the US Investment Company Act of 1940, as amended. Neither this material nor the Fund's shares are available to or suitable for US persons.

UCITS ETF's units / shares purchased on the secondary market cannot usually be sold directly back to UCITS ETF. Investors must buy and sell units / shares on a secondary market with the assistance of an intermediary (e.g. a stockbroker) and may incur fees for doing so. In addition, investors may pay more than the current net asset value when buying units / shares and may receive less than the current net asset value when selling them.

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For Investors in the UK

This document is only for, or directed at persons who are professional clients or eligible counterparties for the purposes of the FCA's Conduct of Business Sourcebook. This document is exempt from the scheme promotion restriction (in Section 238 of the Financial Services and Markets Act 2000 ("FSMA") on the communication of invitations or inducements to engage in investment activity) on the grounds that it is a recognised collective investment scheme (a "recognised scheme") for the purposes of section 264 of the FSMA of the United Kingdom. Most of the protections provided by the UK regulatory system do not apply to the operation of the Fund and compensation will not be available under the UK Financial Services Compensation Scheme on its default. For Investors in Austria

The Fund is registered for public offer in Austria. The Prospectus, Key Investor Information Document ("KIID") and other documents, as well as the annual and semi-annual reports have been published in Austria and are available free of charge from Erste Bank der österreichischen Sparkassen AG, Graben 21, A-1010 Wien, the Austrian paying and information agent.

For Investors in Belgium

The offering of shares has not been and will not be notified to the Belgian Financial Services and Markets Authority (Autoriteit voor Financiële Diensten en Markten/Autorité des Services et Marchés Financiers) nor has this document been, nor will it be approved by the Financial Services and Markets Authority. Shares may be offered in Belgium only to professional investors, in reliance of article 5, §1 of the Law of August 3, 2012 on collective investment undertakings that satisfy the conditions of Directive 2009/65/EC and undertakings for investments in receivables (the "Law of August 3, 2012"), such investors acting for their own account and subject to them complying with the resale condition as set forth in that article 5, §1 of the Law of August 3, 2012.

For Investors in Denmark

This document is only for the attention of "Professional" investors as defined in Directive 2004/39/EC dated 21 April 2004 on Markets in Financial Instruments (MIFID), to investment services providers and any other professional of the financial industry. The products and services to which this communication relates are only available to such persons and persons of any other description should not rely on this communication. The Fund has been registered with the Financial Supervisory Authority of Denmark (Finanstilsynet) in order to market its shares for sale to professional investors only in Denmark in accordance with the Danish Investment Associations Act and Executive Order on the Marketing of Foreign UCITS in Denmark, each as amended from time to time.

For Investors in Finland

This document is only for the attention of "Professional" investors as defined in Finnish law implementing Directive 2004/39/EC dated 21 April 2004 on Markets in Financial Instruments (MIFID), to investment services providers and any other professional of the financial industry. The products and services to which this communication relates are only available to such persons and persons of any other description should not rely on this communication. The Fund has been registered with the Financial Supervisory Authority of Finland (Finanssivalvonta) in order to market its shares for sale to professional investors only in Finland in accordance with the Finnish Act on Common Funds (48/1999) as amended from time to time.

For Investors in France

This document is only for the attention of professional investors (as defined under the European Directive 2004/39/EC dated 21 April 2004 on Markets in Financial Instruments ("MIFID")), investing for their own account or on behalf of their discretionary clients and management companies (fund of funds). It is not to be distributed to the public. The marketing of the Fund by First Trust Global Funds plc has been notified to the Autorité des marchés financiers in accordance with the European Directive 2014/91/EU dated 23 July 2014 ("UCITS V"). Prospective investors may obtain the KIIDs (in French or English language) and the current prospectus, the articles of incorporation, as well as the latest annual and semi-annual reports (in English language), free of charge from the French Centralizing correspondent RBC Investors Services Bank France SA and it is located at 195, rue Réamur, 75002 Paris.

For Investors in Germany

This document is only for the attention of "Professional" investors as defined in Directive 2004/39/EC dated 21 April 2004 on Markets in Financial Instruments ("MIFID"), to investment services providers and any other professional of the financial industry. The offering of the First Trust UCITS ETFs by the Company has been notified to the Bundesanstalt für Finanzdienstleistungsaufsicht (BaFin) in accordance with Section 310 of the German Investment Code (KAGB). Prospective investors may obtain the KIID in German and the current Prospectus, the articles of incorporation, as well as the latest annual and semi-annual report, in English, free of charge from FinCo Financial Communications GmbH, Großer Burstah 42, 20457 Hamburg.

For Investors in Iceland

This document has been issued to you for your use only and exclusively for the purpose of the described investment opportunities. Accordingly, this document and relevant information may not be used for any other purpose or passed on to any other person in Iceland. The investment described in this document has been registered for public distribution in Iceland with the Financial Supervisory Authority pursuant to the Icelandic Act on Undertakings for Collective Investment in Transferable Securities (UCITS) and Investment Funds and Institutional Investment Funds No. 128/2011 and supplementary regulations. The Investment may not be offered or sold by means of this document or in any way later resold otherwise than in accordance with the ACT No. 128/2011.

For Investors in Italy

This information document is addressed to professional investors only, as defined in Directive 2004/39/EC of 21 April 2004 (MiFID). The present document does not constitute in any way an offer or recommendation to make investments in the Fund or to execute other transactions in relation to the latter. The investors shall consult with their investment consultants in order to analyse the legal, fiscal and accounting aspects of the investment or other transactions concerning the investment in the Fund and evaluate whether such investment or transaction is suitable to their own risk profile, financial status and investment objectives. The Fund has been registered with the Commissione Nazionale per le Societá e la Borsa (CONSOB) for the offer in Italy towards professional investors only. Before taking any investment decisions, the prospected investors should read carefully the KIID (available in Italian) and the Prospectus on the following website www.ftglobalportfolios.com.

For Investors in Luxembourg

The Fund is registered for public offer in Luxembourg. The Prospectus, Key Investor Information Document ("KIID") and other documents as well as the annual and semi-annual reports are available in English free of charge from CACEIS Bank Luxembourg, 5, allée Scheffer, L-2520 Luxembourg.

For Investors in the Netherlands

This document is only for the attention of "Professional" investors as defined in Directive 2004/39/EC dated 21 April 2004 on Markets in Financial Instruments ("MIFID"), to investment services providers and any other professional of the financial industry. The products and services to which this communication relates are only available to such persons and persons of any other description should not rely on this communication. The Company has completed its notification to the Authority Financial Markets (Stichting Autoriteit Financiele Markten) in the Netherlands in order to market its shares for sale to the public in the Netherlands according to Section 2:72 of the Dutch Financial Markets Supervision Act (Wet op het financiel toezicht) as amended from time to time.

For Investors in Norway

This document is only for the attention of "Professional" investors as defined in Directive 2004/39/EC dated 21 April 2004 on Markets in Financial Instruments (MIFID). The products and services to which this communication relates are only available to such persons and persons of any other description should not rely on this communication. The Fund has been registered with the Financial Supervisory Authority of Norway (Finanstilsynet) in accordance with the Norwegian Securities Funds Act section 9-3, in order to market its shares for sale to professional investors only in Norway.

For Investors in Portugal

This information document is addressed to professional investors only, as defined in Directive 2004/39/EC of 21 April 2004 (MiFID). The present document does not constitute in any way an offer or recommendation to make investments in the Fund or to execute other transactions in relation to the latter. The investors shall consult with their investment consultants in order to analyse the legal, fiscal and accounting aspects of the investment or other transactions concerning the investment in the Fund and evaluate whether such investment or transaction is suitable to their own risk profile, financial status and investment objectives. The offering of the First Trust UCITS ETFs in Portugal has been notified to the Portuguese Securities Market Commission (Comissão do Mercado dos Valores Mobiliários) for the purposes of Article 196 of the Portuguese General Framework on Collective Investment Schemes (Regime Geral dos Organismos de Investimento Colectivo). Prospective investors may obtain the KIID in Portuguese and the current Prospectus, the articles of incorporation, as well as the latest annual and semi-annual report, in English, free of charge from www.ftglobalportfolios.com.

For Investors in Spain

This document is only for, or direct at persons who, are "professional clients" for the purposes of Article 205 of the Royal Legislative Decree 4/2015, of 23 October, which approves the recast text of the Securities Market Law. The products and services to which this communication relates are only available to such persons and persons of any other description should not rely on this communication. The Fund has been registered with the Comisión Nacional del Mercado de Valores (CNMV) in Spain with registration number 1545. Any investment decision must be based solely on the basis of a careful consideration and understanding of all information contained in the latest Fund's prospectus and key investor information document (KIID). All mandatory official documentation (including the prospectus and the KIID) shall be available through the relevant distributors in Spain, in hard copy or by electronic means, and also available free of charge upon request by dialling +44(0)203 195 7121, writing to EuroSales@ftgportfolios.com or consulting www.ftgportfolios.com, where you may also obtain updated information on the net asset value of the relevant shares. It is advisable to obtain further information and request professional advice before taking an investment decision.

For Investors in Sweden

This document is only for the attention of "Professional" investors as defined in the Swedish Securities Markets Act (Sw. lag (2007:528) on värdepappersmarknaden), implementing Directive 2004/39/EC dated 21 April 2004 on Markets in Financial Instruments (MIFID) into Swedish law, to investment services providers and any other professional of the financial industry. The products and services to which this communication relates are only available to such persons and persons of any other description should not rely on this communication. The Fund has been registered with the Swedish Financial Supervisory Authority (Sw. Finansinspektionen) in accordance with Chapter 1, Section 7 of the Swedish Securities Funds Act (Sw. lag (2004:46) on värdepappersfonder), as amended from time to time. Prospective investors may obtain the KIID in Swedish and the current Prospectus, the articles of incorporation, as well as the latest annual and semi-annual report, in English, free of charge from www.ftgportfolios.com.

For Investors in Switzerland

The distribution of shares in Switzerland will be exclusively made to, and directed at, qualified investors (the "Qualified Investors"), as defined in the Swiss Collective Investment Schemes Act of 23 June 2006, as amended ("CISA") and its implementing ordinance. Accordingly, the Fund is not registered, and will not be registered with the Swiss Financial Market Supervisory Authority (FINMA). This document and/or any other offering materials relating to the Fund may be made available in Switzerland solely to Qualified Investors. For this, the Fund has appointed as Swiss Representative Oligo Swiss Fund Services SA, Av. Villamont 17, 1005 Lausanne, Switzerland, Tel: +41 21 311 17 77, email: info@oligofunds.ch. The Fund's paying agent is Banque Cantonale de Genève. Any Fund Documentation may be obtained free of charge from the Swiss Representative in Lausanne. The information provided here is for general information only and historical performance is not a guide to current or future performance. The performance data does not take account of commissions and costs incurred on the issue and redemption of shares.