



# Blockchain in UK

## BLOCKCHAIN INDUSTRY LANDSCAPE OVERVIEW 2018

TECHNOLOGIES, COMPANIES, INVESTORS, TRENDS



*In coordination with All Party Parliamentary  
Group on Blockchain*

[www.appg-blockchain.org](http://www.appg-blockchain.org)

# Blockchain & Distributed Ledger Technologies in UK Landscape Overview Q2 / 2018

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# Blockchain Industry in UK Landscape Overview 2018

225 - Companies  
180 - Investors  
30 - Tech Hubs

Crypto Trading

Companies

Investors

Hubs

IoT

AI

GovTech

Healthcare

Marketing & Advertising

Security

Others

Entertainment

FinTech

R&D Blockchain  
Services



# Investors



**DAG  
GLOBAL**



# Blockchain Industry in UK Landscape Overview 2018

225 - Companies  
30 - Tech Hubs

## FINTECH



## CRYPTO TRADING



## OTHERS



## SECURITY



## Think Tanks and Hubs



# Blockchain Industry in UK Landscape Overview Q2 2018

## IOT



## MARKETING & ADVERTISING



## ENTERTAINMENT



## HEALTHCARE



## AI



## GOVTECH



## R&D BLOCKCHAIN SERVICES



## Blockchain Technologies

Distributed Ledger

Cryptography

Immutability

Transparency

Private Blockchains

Public Blockchains

## Practical Applications

FinTech

GovTech

IoT

Security

Healthcare

Diversity

## New Asset Class

Liquidity

Interoperability

Tokenization

Derivatives

Exchanges

Custodians

## Crypto Economy

FinTech 2.0

RegTech

Legal Tech

Invest Tech

AI

Digital Economy 2.0



# 40 Influencers / Blockchain in UK

## Parliament and Government



**Rt Hon.  
Jeremy Wright  
QC MP**



**The Lord Holmes  
of Richmond  
MBE**



**Rt Hon.  
The Baroness  
Kramer PC**



**Rt Hon. Grant  
Shapps MP**



**Rt Hon. Norman  
Lamb MP**



**Eddie  
Hughes MP**



**Darren  
Jones MP**



**Damien  
Moore MP**



**Sir Mark  
Walport**



**Chi Onwurah  
MP**

## Academia



**Professor  
Angela  
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**Professor Bill  
Buchanan OBE,  
Edinburgh Napier**



**Prof. Sarah  
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Oxford**



**Garrick  
Hileman,  
Cambridge**



**Geoffrey  
Goodell, UCL**



**Marcella Atzori,  
UCL**



**Kevin Curran,  
Ulster**



**Tomaso Aste,  
UCL**



**Vili  
Lehdonvirta**



**Catherine Mulligan,  
Imperial College  
London**

## Business



**Hirander Misra,  
GMEX Group**



**Navin  
Ramachandra,  
IOTA**



**Eddy Travia,  
Coinsilium**



**Simon Taylor  
11:FS**



**Chris Skinner  
Finanser.com**



**Vinay Gupta,  
Mattereum**



**David Siegel,  
Pillar Project**



**Helen Disney,  
Unblocked**



**Yoni Assia,  
eToro**



**Jamie Burke,  
Outlier Ventures**

## Think Tanks and Hubs



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Autonomous  
Research**



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Group Limited**



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APPG Blockchain

Big Innovation Centre

DAG Global

Deep Knowledge Analytics

## Blockchain in UK

BLOCKCHAIN INDUSTRY  
LANDSCAPE OVERVIEW Q2/2018



# Executive Summary



## **What is Blockchain?**

'Blockchain' software is the world's leader in a broader class of systems also known as distributed ledger technology (Blockchain), which can be defined as systems which enable ledgers (records of activity) to be cryptographically distributed across a diffuse network of nodes (e.g. personal computers or servers), cutting out the need for a central ledger keeper and effectively delegating that task to the users of the ledger. In other words, rather than having a single party keep a record of all of the transactions that happen within a given system, a Blockchain shares the task of logging and recording those transactions amongst the people making them, with the underlying technology verifying that all users are keeping matching records. Advocates of the technology say that it effectively solves the problem of 'trust' across networks, as it enables complete strangers to complete transactions without risk of the participating parties defaulting or failing to pay.

## **Blockchain: From Bitcoin to Today**

The most well-known (and first widespread) use of a Blockchain was to power the famous/infamous cryptocurrency, Bitcoin, an online 'currency' that enabled its users to pay each other using units of value that existed purely online and without any kind of central bank to oversee their use. Despite Blockchain's astounding global penetration, and the massive disruptive effect that we have seen by the widespread adoption of Blockchain technologies for a truly astonishing variety of use cases, it is only 10 years old. First created in 2008 as the underlying infrastructure for recording and executing Bitcoin-based financial transactions, it has since emerged to become its own force of nature, with applications for data storage, security, entertainment, commerce, regulation, governance and many more so called "use-cases".

## **UK Investment in Blockchain**

Investments in the UK-based blockchain companies covered in this report, including both fiat investment as well as Initial Coin Offerings (ICOs), rose from just over 50M USD in Q3 of 2016 to 150M USD by Q2 of 2018 (with ICO-related investments topping 100M in Q4 of 2017 and fiat investments climbing to over 100M in Q2 of 2018), which amounts to a rise of almost 300%.

## **Blockchain as an Umbrella Term for the Entire Blockchain Landscape**

While already the name 'Blockchain' was common in the UK throughout 2016-2017, by 2018 the term Blockchain established itself as the standard term covering an entire group of technologies. Today the term encompasses also a whole related industry, now commonly referred to as the Blockchain Industry.

## Blockchain for Data Integrity, Consistency, Immutability & Security

Blockchain have been historically recognized first of all in the area of FinTech, but now it is rapidly growing into a much broader and more general class of systems governing and enabling a wide variety of uses, with applications in almost every area of activity where the **integrity, consistency, immutability** and **security of data** is important, from finance to healthcare to governance. In the coming years we can expect that Blockchain will become a natural element of almost every IT-system and application where immutability, integrity and security of data is a concern.

Furthermore, while still somewhat skeptical, the UK government is warming up to the notion of both a solid UK-based Blockchain industry, as well as the adoption of Blockchain solutions for governmental services.

2016 saw the UK government test the use of a Blockchain-based system to distribute welfare payments through the Department of Work and Pensions, explore the use of Blockchain as a service for each governmental department, available as of August 2016, and saw the Financial Conduct Authority (FCA) permit Blockchain startup Tramonex to issue its digital currency to UK citizens.

The past several years also saw Innovate U.K., a government-led agency that supports companies utilizing emerging technologies that they feel can lead to national economic growth and allow the government to keep up with the accelerating pace of global innovation, invest over £10M in Blockchain projects focused on energy distribution, clean water provision, electoral systems and charitable giving.

### Purpose of This Report: Mapping the UK Blockchain Landscape

The present report is organized into four volumes spanning over nearly 1000 pages.

**Volume I** charts the broad landscape of the present day and near-future Blockchain industry, and covers major topics and trends including industry subsectors and classification frameworks, government initiatives, the rise of the Crypto Economy, and forecasts the near future of the industry over the next five years. **Volume II** covers the many practical use-cases of Blockchain technologies that have emerged over the past several years in the UK. **Volume III** covers specifically the financial services ecosystem, and **Volume IV** offers in-depth profiles of all UK-based entities mentioned in Volumes I, II, and III.

The present report opens with several infographics that chart the entire landscape of UK-based Blockchain companies and investors, classifying them according to several subsectors and use-cases, and identifying main UK-based Blockchain R&D hubs.

The executive summary distills the main conclusions derived from our analysis of the UK Blockchain industry and field, and concisely summarises the report's take-home trends and insights, as well as the major points for how present-day UK Blockchain activities can be better organized, systematized and optimized so as to make the UK a global leader in the emerging Blockchain industry within the next several years.

The report also features several Mindmaps that visualize the classification of many Blockchain companies, investors, think-tanks and R&D hubs into a united framework. Page 9 of the report, for instance, illustrates the diversity of practical applications of the Blockchain industry in four broad categories of Blockchain technologies, Practical Applications, New Asset Class and Crypto Economy.

The use of these four categories lies in its ability to classify and categorize various subsectors, use cases and features of the broad Blockchain sphere into a unified framework to enable better and more robust understanding and forecasting.

## **Methodology of the Research**

In this report we mapped all UK-based entities including companies, investors, think-tanks and accelerators, and classified them according to subsector and use-case. Some such entities are focused on very specific use-cases, while others are applying Blockchain to a variety of use cases.

As such, we can consider that the above use-case classification scheme is only applicable to 80-90% of the entities profiled in these reports, due to the fact that many such companies fall under multiple use-cases. However, this first edition is made with the aim of engaging with the current landscape of UK-based Blockchain related entities, organisations and major players in order to establish a dialogue with them that will lead to the formulation of a more comprehensive and precise classification framework and landscape, which will be presented in future editions of the report.

We divided the classification schemes employed in our Mindmaps and categorization frameworks according to the following subsectors:

- **Crypto Trading** - these companies are mainly crypto exchanging and trading companies. These companies are using Blockchain technologies or helping consumers to access Blockchain-based services.
- **IoT** - “Internet of Things” companies, which are using a combination of IoT devices and the Blockchain technology for various purposes. In addition, in this section companies focused on tracing the supply chain are included as well.
- **Marketing & Advertising** - companies which are using Blockchain technologies in promoting various services and goods.
- **Security** - Blockchain companies are helping companies establish secured networks.
- **Entertainment** - these are mainly crypto-based companies which are operating in the gambling industry.
- **GovTech** - these companies are operating in the public sector, and providing their services using Blockchain technologies.
- **Healthcare** - mainly crypto-based companies operating in the healthcare industry.
- **AI** - companies in this sector are using both Blockchain and AI (Artificial Intelligence) in order to provide their services.
- **FinTech** - companies are using Blockchain to help companies succeed in financial industry.
- **R&D Blockchain Services** - companies in this section: research the Blockchain industry; develop their own Blockchain platforms and offer them as a service to other interested companies; advise clients and help them build Blockchain based companies.

## The Structure of the Report

**Volume I** charts the broad landscape of the present day and near-future Blockchain industry, and is organized into the following chapters:

- **Chapter I: UK Landscape Overview Q2 / 2018** provides a broad overview of the current UK-based Blockchain landscape, considering both private sector as well as nonprofit and government-led projects and initiatives, with specific focus on the current state of the Blockchain industry in the second financial quarter (Q2) of 2018.
- **Chapter II: Blockchain and UK Government: Key Statements & Development Strategies** outlines statements, reports and policy recommendations put forth by various UK governmental bodies, as well as regulatory guidance and national development strategies from both governmental bodies as well as key government figures. This chapter highlights the important role that the UK government has to play in not just nourishing its growing Blockchain industry, but also in adopting the use of Blockchain for its own purposes.
- **Chapter III: All Party Parliamentary Group on Blockchain** introduces readers to the All Party Parliamentary Group on Blockchain, a UK parliamentary group established in January 2018 to analyze and advocate for the disruptive impact of blockchain and the positive effects that it can bring to the UK economy on both an industrial and governmental level.
- **Chapter IV: Key Persons in the Blockchain Industry in the UK** introduces readers to the thoughts of some of the leading Blockchain influencers in the UK, and served as an introduction to the key thought-leaders of the UK-based Blockchain industry.
- **Chapter V: Media and Conferences** charts media coverage and Blockchain related conferences, pointing readers towards the best resources for keeping abreast of the latest news and developments.

- **Chapter VI: Retrospective Overview 2014-2017** recaps the history of the blockchain industry in the UK from the period of 2014 to 2017, which encompasses its rise into a legitimate industry, and marks a time during which key figures in the UK government recognized the importance of blockchain as a technology and began serious efforts to understand how it could be regulated and utilized, both governmentally and industrially, safely and to the economic benefit of the nation.
- **Chapter VII: Forecasting 2019 - 2022 (Convergence of Next-Generation IT Technologies)** analyses the convergence of Blockchain and various other next-generation IT-technologies and AI, and highlights how they are converging towards an inflection point, at which time they can be utilized in a highly synergistic manner in order to yield novel innovations and solutions greater than the sum of their respective parts. This chapter aims to chart how the Blockchain industry itself will become disrupted by advanced emerging next generation IT-solutions, and become natural hallmarks of any application (whether industrial or governmental) where the integrity, consistency, security, transparency and immutability of data is a high concern.

**Volume II** "Practical Applications and Use Cases" provides a comprehensive overview of some of the most promising and well-recieved use cases for Blockchain systems, and landscapes those use cases that have gained the widest attention in the UK over the past several years, including:

- Blockchain and GovTech (E-Governance),
- Blockchain and AI,
- Blockchain and IoT,
- Blockchain and Healthcare,
- Blockchain and Security,
- Blockchain and Biometric Identification,
- Blockchain Diversity of Practical Applications.

This volume analyses multiple use-cases, illustrating the increasing diversity of Blockchain practical applications. It also includes detailed examples and case studies of the most illustrative companies and initiatives employing such use cases.

**Volume III** turns its attention specifically to the wide range of practical applications and use cases of blockchain in the financial industry. Given that financial and fintech use-cases comprise the vast majority of the Blockchain industry, we have endeavored to provide distinct coverage of the entire scope of financial industry and Crypto Economy in Volume III.

The Volume gives a comprehensive overview of the wide diversity of practical use cases for blockchain in finance, charts the present day landscape of the niche, and gives tangible projections for its growth and evolution over the next several years.

- **Chapter I: Crypto Economy** describes the upcoming rise of Crypto Economy, which can be considered as the present state of the Blockchain industry as it has taken shape in recent years, and which represents an early embodiment of what will come to be recognized as the “Crypto Augmented Economy” or “Digital Economy 2.0” in the years to come.
- **Chapter II: New Asset Class** describes the various digitized assets falling under the scope of Blockchain use-cases as an entirely novel asset class with distinct features that set them apart from traditional asset classes like stocks and securities (such as enhanced liquidity through digitization and tokenization, among other such novel features).
- **Chapter III: FinTech** gives an overview of the blockchain for FinTech landscape, which both historically and today represent some of the most mature and predominant use-cases for blockchain in the financial industry.
- **Chapter IV: Blockchain and UK Regulatory Framework** analyzes the UK's blockchain regulatory framework, summarizing key Blockchain regulatory statements released by the UK government, and taking a deeper look at how the UK might optimize both the growth as well as the safety and security of the emerging Blockchain industry, highlighting the important role that the UK government has to play in supporting its growing Blockchain industry.
- **Chapter V: RegTech** gives an overview of blockchain's use in the rise of RegTech, a growing industry that uses advanced IT technologies, including cloud computing and software-as-a-service (Saas), to streamline regulatory compliance in the financial industry through innovative technologies.



- **Chapter VI: LegalTech** outlines the use of blockchain as a back-end for the LegalTech industry, which encompasses the use of advanced IT solutions and technologies (especially software) to execute legal services.
- **Chapter VII: Compliance (KYC, AML, KYT)** gives a comprehensive overview on the history, present day and near-future of compliance (KYC, AML, KYT) for Crypto Economy and Digital Economy in the UK. It also highlights some of the most pressing barriers and roadblocks in terms of compliance facing the UK blockchain industry today.
- **Chapter VIII: OTC** charts the landscape of the current UK OTC trading space. OTC is used to facilitate large-volume digital asset trading without moving the market or incurring too much slippage.
- **Chapter IX: Custodians** outlines the history and present day state of UK-based Crypto Custodians, as well as the increasing importance of reputable custodians capable of complying with UK-based financial regulations in order to permit the influx of institutional investors vying for access to the digital asset and cryptocurrency market.
- **Chapter X: Crypto Investment Funds** introduces readers to the diverse realm of UK-based Crypto Investment Funds, a new breed of fund that rose from only a handful of players a few years ago to a highly populated landscape today.
- **Chapter XI: Crypto Exchanges** gives a comprehensive overview of UK-based crypto exchanges, and analyses the various pros and cons, taking into account factors such as ease of use, security, volume and digital asset diversity.
- **Chapter XII: Blockchain and Financial Inclusion** details the history, present state and near future of Blockchain and Financial Inclusion, a rapidly rising niche, sometimes referred to as Blockchain for Social Good, which encompasses all use-cases for blockchain-based financial services that aim to offer financial inclusion to the multi-billion blue ocean of unbanked people in developing nations, in order to help equip them with the tools and infrastructures necessary to give them access to basic human amenities.
- **Chapter XIII: Augmented Digital Economy 2.0 (2022-2030)** charts the landscape of the evolution from the Crypto Economy today into the Augmented Digital Economy 2.0 of tomorrow.



**Volume IV** offers in-depth profiles of the large majority of blockchain industry and ecosystem players and stakeholders, both on an individual and organizational level, in an effort to provide readers with not just overarching trends in the development of the UK blockchain industry, but also a granular and precise view of the constituent agents that make up the larger landscape.

The volume includes comprehensive one-page profiles on the following blockchain entities:

- Top 10 UK Blockchain Companies
- Top 20 UK Blockchain Investors
- 225 UK Blockchain Companies
- 180 UK Blockchain Investors
- 100 UK Blockchain Influencers
- 13 UK Blockchain Think Tanks and R&D Centres
- 6 UK Blockchain Hubs
- 11 UK Blockchain Accelerators
- 50 UK Blockchain Conferences
- 30 UK Blockchain Journalists

## 2008 - 2014: The Dawn of Blockchain As a Technology

The period of **2008 - 2014** can be considered as the dawn of Blockchain as a technology. During these years it gained a solid community of users and an increasing diversity of use cases, but very little commentary or regulatory guidance by governments. **2016** can be considered as the dawn of Blockchain as an industry, at which time it gained enough recognition, public prominence and global penetration as to warrant commentary by governmental bodies. One of the first notable documents in this regards was a 2016 report issued by the UK Government Office for Science entitled "Distributed Ledger Technology: beyond Blockchain."

## 2018: The Dawn of the Digital Economy

**2018**, then, can be considered as the inflection point in the growth of the Blockchain industry, and the phase at which it is beginning to transition from what can be considered as the sphere of Crypto Economy emerging into the new sphere of the "**Augmented Economy**" (or "**Digital Economy 2.0**").

This can be considered a state during which the integration of Blockchain with AI and other next generation IT solutions, for use cases including legal technology (**LegalTech**), investment technology (**InvestTech**), regulation technology (**RegTech**) and e-governance technology (**GovTech**), will emerge in such a way as to create an entirely novel ecosystem with penetration into the majority of societal activities, from finance to commerce, law, regulation and governance, and enabling a rapid acceleration of development and advancement in these areas of professional, industry and government activity.

## 2022-2015 as the inflection Point for the Augmented Economy (Digital Economy 2.0)

We can estimate that the true peak or inflection point marking the transition from Digital Economy to Augmented Crypto Economy could occur around **2022-2025**. And the UK has great potential to become a major hub for the rise of the Digital Economy 2.0 by that time, if it focuses significant **state commitment** on the **optimised** and **synergetic integration** of its blockchain-based resources and initiatives with its AI and next generation IT solutions industry, honing these now-separate elements and industries in convergence towards a shared **inflection point**.

## The United Kingdom as a Future Global Blockchain Hub

The UK has an excellent global reputation in the areas of business, commerce and law. If it can marshal its resources towards the unified development of the Blockchain industry, it has unprecedented potential to become a global leader in this field. There are examples from other countries which have redefined themselves so as to be flexible hubs for disruptive and novel economic and governmental frameworks. Specific to the Blockchain industry, one can examine the case of Switzerland, which historically has been known as a haven for banking secrecy for high-net-worth individuals and businesses, and more recently through Zug canton has become known as a Hub for Crypto Economy with a friendly regulatory framework within the Zug 'Crypto Valley.'

By taking these relevant examples and applying them to the development of credible and safe government regulations, in combination with its formidable strengths and reputation in the areas of finance, regulation and law, the UK has the potential to create a **progressive** and **reputable** ecosystem in order to attract the top Blockchain businesses, entrepreneurs and talents.

## Blockchain & The UK Government

The necessary resources and will of the UK government are in place for the nation to become a world leader in Blockchain and distributed ledger technologies, for areas as far reaching as finance and commerce, electrical systems, distributed and immutable data storage, as well a myriad number of more specific use cases.

These resources are quite significant and enough to gain an undeniable leadership position on a global scale. But further optimization of the **assembling** and **structuring** of existing resources is still required, in order to increase synergy between subsectors and commit resources strategically. A comprehensive assessment of opportunities could transfer focus to subsectors that are comparatively lacking in guidance and investment, despite possibly being much more important in terms of both potential value as well as strategic impact. Additionally, there is an important and ongoing exercise to examine the benefits of increased government adoption of Blockchain-based systems for public sector activities in governing, regulation and commerce.

## Optimum Synergy & Integration of The UK's Existing Blockchain Elements

Based upon our analysis, it is clear that the UK has all the necessary elements to become a global leader in Blockchain and distributed ledger technologies, and that these elements and resources just need to be assembled in a more **efficient** and **synergistic** manner, such as through the creation of government-led national development programs - i.e substantial **commitment** to support and **prioritize** Blockchain-based companies and initiatives, in combination with an overall increase in government will and support of these industries, as achieved through greater investment in government education on the fundamentals and potentials of Blockchain technologies.

## Towards a UK Blockchain National Development & Industrial Strategy

Furthermore, given the UK's history as a world leader in banking and financial services, it has a very strong foundation and reputation in the arena of finance and commerce.

As such, if the UK government can demonstrate sufficient commitment to Blockchain as the future of financial transactions and data storage, among other use-cases, it can wield the disruptive impact of Blockchain technologies to not only secure its position as a world leader in matters of finance and commerce, but also avoid stagnation and the loss of its current position in the global financial sphere as a result of being too slow to adopt innovative technologies such as Blockchain and distributed ledger systems.

If the UK would commit resources to a prioritised Blockchain **national development and industrial strategy**, while simultaneously **optimising** and **repositioning** its existing resources in this sphere, it has significant potential to become a Digital Economy 2.0 Global Hub by **2025**.

# **Chapter I:**

## **UK Landscape Overview**

### **Q2 / 2018**

# UK-based Blockchain companies

- |  |                                    |                         |
|--|------------------------------------|-------------------------|
| 1. 11:FS                                 | 39. Blockchain Lab                 | 77. Count My Crypto     |
| 2. Addbits                               | 40. Blockchain Technology Partners | 78. CREDIT-VISION       |
| 3. Aesthetic Integration                 | 41. Blockchain, Inc.               | 79. CreditMint          |
| 4. AffiliateCoin                         | 42. BlockEx                        | 80. CrossVerify         |
| 5. Aggregation                           | 43. Blocksure                      | 81. CROWD FOR ANGELS    |
| 6. Agility Sciences Limited              | 44. BlockVerify                    | 82. Crowdfunding        |
| 7. AgriLedger                            | 45. Blockwise                      | 83. Crypto Collective   |
| 8. Alice SI                              | 46. BlocSide Sports                | 84. Crypto Next PLC     |
| 9. Ananas Foundation                     | 47. BMYBIT LTD                     | 85. CryptoFacilities    |
| 10. Appii                                | 48. Bonpay                         | 86. Cryptonomica        |
| 11. Applied Blockchain                   | 49. Bright                         | 87. Cryptopay           |
| 12. arc-net                              | 50. BSave                          | 88. Cubits              |
| 13. AroundB                              | 51. BTCMiner Cloud EU              | 89. Cudo Miner          |
| 14. AsMoney                              | 52. BTL Group Ltd.                 | 90. Currency Index      |
| 15. AssetVault                           | 53. Bullion Bitcoin                | 91. Cygnetise           |
| 16. Astius Technology                    | 54. Capexmove                      | 92. DADI                |
| 17. Aventus Systems                      | 55. capitalDIGI                    | 93. DAJIE Ltd           |
| 18. Aysha                                | 56. CargoCoin                      | 94. Data Quarks Limited |
| 19. B2C2 Ltd.                            | 57. Caricoins                      | 95. Decentralized ID    |
| 20. B9lab                                | 58. Cashaa                         | 96. Digital Asset Group |
| 21. BetKing                              | 59. Cashin.Store                   | 97. Dotsquares          |
| 22. Billon Group                         | 60. Centrica                       | 98. Dovetail Lab        |
| 23. Binkabi                              | 61. CEX.IO                         | 99. DOVU                |
| 24. Bitcoin Global Capital               | 62. Chain & Chain Technologies     | 100. eCoinomic          |
| 25. Bitcoin.co.uk                        | 63. ChainThat                      | 101. edenlit            |
| 26. BitcoinBro                           | 64. Circle                         | 102. EDF Energy         |
| 27. BitcoinPay                           | 65. clearmatics                    | 103. Ehab               |
| 28. BitConnect                           | 66. Cobalt                         | 104. Electron           |
| 29. BitFury Group                        | 67. Codel                          | 105. Electroneum        |
| 30. Bitlish                              | 68. Codex Protocol                 | 106. Elliptic           |
| 31. BitMedia                             | 69. Coinerz Ltd                    | 107. Embedded Downloads |
| 32. Bitnewt                              | 70. CoinFalcon                     | 108. eMed Pharma Group  |
| 33. Bitstamp                             | 71. Coinfirm                       | 109. Entry Money LTD    |
| 34. Bittunes                             | 72. Coinfloor                      | 110. EQUI               |
| 35. BitValley Mining Corporation Limited | 73. CoinsBank                      | 111. Etoro              |
| 36. Bitwalking                           | 74. Coinsilium                     | 112. Everledger         |
| 37. Blazon PR                            | 75. Colony                         | 113. Exwal              |
| 38. Blockchain Business Board            | 76. Consensusys                    | 114. FarmaTrust         |

# UK-based Blockchain companies

115.	Fenestra	153.	MaidSafe	191.	Shinrai
116.	FinComEco	154.	Matrix	192.	Solidi Digital Currency Exchange
117.	Fluxible	155.	Medicalchain	193.	Solution First
118.	FutureFuel Tech	156.	Methods Digital	194.	SpectroCoin
119.	Giftcoin	157.	Mycelium	195.	Spiritus Development
120.	Ginie.ai	158.	nChain	196.	SportyCO
121.	Globacap	159.	Nebeus	197.	Stratis
122.	GMEX Technologies GMEX Group	160.	Nethermind	198.	Supreme Factory
123.	Gospel Technology	161.	Nexchange	199.	Swiss Bank In Your Pocket
124.	GovCoin	162.	North Block Capital	200.	Tag World Exchange
125.	Gresham International	163.	Nousplatform	201.	The Cointelegraph
126.	Hadean	164.	Novum Insights	202.	TheCryptoStreet.com
127.	HeapX	165.	Nuggets	203.	Third Space Auto
128.	HighCastle	166.	Omnitude	204.	Token Analyst
129.	Humaniq	167.	Online Blockchain	205.	Tokens.net
130.	ImmVRse	168.	Oraclize	206.	TokenTalk
131.	Incuto	169.	Orbifold	207.	TransferX, Ltd
132.	Indacoin	170.	Ownage Ltd.	208.	Trastra
133.	InfoSum	171.	Parity Technologies	209.	UCL Centre for Blockchain Technologies
134.	INSTASUPPLY	172.	Penser	210.	UQUID
135.	Invacio	173.	Pillar Project	211.	Vaultoro
136.	Invoice Ledger	174.	Plutus	212.	VChain Technology
137.	IOTA - IOTA Foundation	175.	Populous	213.	Vega Protocol
138.	IOTech	176.	Provenance	214.	Venda.io
139.	IOV42	177.	Qadre	215.	VentureBoost
140.	IRIS Payment Solutions	178.	Qredo	216.	Veratrak
141.	Karatcoin	179.	Quantave	217.	Verisart
142.	Kryptocoins finance	180.	Queueco Limited	218.	Verv by Green Running
143.	LAToken	181.	QuickBitcoin	219.	Vo1t
144.	LCCX	182.	R_Block	220.	Wildfish
145.	LendFlo	183.	R3	221.	Wirex Limited
146.	Lendingblock	184.	Revolut	222.	WoTT.io
147.	LogicalContracts	185.	Saescada	223.	Xough Technologies Limited
148.	Logikk	186.	Satoshi Systems	224.	YFL ELITE
149.	London Block Exchange	187.	SatoshiPay	225.	Yordex
150.	London Football Exchange	188.	Seratio		
151.	Luno	189.	SETL		
152.	Luther Systems	190.	Sharpe Capital		

# Investors / UK-based Blockchain companies

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|--|--|---|
| 1. Accel                                   | 31. Celestial Holdings                   | 61. Eos Venture Partners                                  |
| 2. AlphaCode Club                          | 32. Centrica                             | 62. FastForward Innovations                               |
| 3. Angel Academe                           | 33. CICC                                 | 63. Fenbushi Capital                                      |
| 4. Anthemis Group                          | 34. Citigroup                            | 64. Fenway Summer Ventures                                |
| 5. Ariadne Capital Limited                 | 35. CLS                                  | 65. Fidelity Investments                                  |
| 6. Artesian VC                             | 36. Coinsilium                           | 66. Finlab AG   |
| 7. Axel Springer Plug and Play Accelerator | 37. Commerzbank                          | 67. First Derivatives                                     |
| 8. Baidu                                   | 38. CommerzVentures GmbH                 | 68. Firstminute Capital                                   |
| 9. Balderton Capital                       | 39. Commonwealth Bank of Australia       | 69. Force Over Mass                                       |
| 10. Banco Bilbao Vizcaya Argentaria        | 40. ContactPartners                      | 70. FortRoss Ventures                                     |
| 11. Banco Bradesco                         | 41. Creative England                     | 71. Future Perfect Ventures                               |
| 12. Bangkok bank                           | 42. Credit Agricole CIB                  | 72. General Catalyst                                      |
| 13. Bank of America Merrill Lynch          | 43. Credit China FinTech Holdings        | 73. Georgian Co-Investment Fund                           |
| 14. Bank of Montreal (BMO)                 | 44. Credit Suisse                        | 74. Global Advisors Bitcoin Investment Fund // CoinShares |
| 15. Barclays PLC                           | 45. CreditEase                           | 75. Global Founders Capital                               |
| 16. Bethnal Green Ventures                 | 46. Crowdcube                            | 76. GMP Securities  |
| 17. Binary Financial                       | 47. CTBC Financial Holding               | 77. Goldman Sachs   |
| 18. Bitmain                                | 48. Cubit Investments                    | 78. Graphene Ventures                                     |
| 19. Blockchain Capital                     | 49. CyLon                                | 79. GV  |
| 20. Bloomberg Beta                         | 50. Daiwa Securities Group               | 80. Horizon 2020  |
| 21. Blue Star Capital                      | 51. Danske Bank                          | 81. HSBC  |
| 22. BM&FBOVESPA S.A.                       | 52. Deep Knowledge Ventures              | 82. Humanity United                                       |
| 23. BnkToTheFuture                         | 53. Deloitte                             | 83. IA Ventures   |
| 24. BNP Paribas                            | 54. Deutsche Bank                        | 84. IDG Capital   |
| 25. BNY Mellon                             | 55. Digital Currency Group               | 85. Index Ventures  |
| 26. BoomStartup                            | 56. Digital Identity                     | 86. ING Group   |
| 27. Breyer Capital                         | 57. Digital Space Ventures               | 87. InMotion Ventures                                     |
| 28. BRM Capital                            | 58. Draper Esprit                        | 88. Intel   |
| 29. Calibrate Management                   | 59. DRW Venture Capital                  | 89. International Airlines Group                          |
| 30. Canadian Imperial Bank of Commerce     | 60. EASME - EU Executive Agency for SMEs | 90. Intesa Sanpaolo                                       |



## Investors / UK-based Blockchain companies

91. Itau Unibanco	121. Pantera Capital	151. Startupbootcamp IoT & Data Tech
92. iTech Capital	122. Passion Capital	152. Status.im
93. J Capital	123. PayU	153. Stoic Capital
94. June Fund	124. Ping An	154. String Ventures
95. Korea Investment Partners	125. Pitango Venture Capital	155. SYSTEMIQ
96. KRW Schindler	126. Pitch@Palace	156. Tally Capital
97. Lakestar	127. Playfair Capital	157. Technology Strategy Board
98. Lightspeed Venture Partners	128. Plug and Play	158. Techstars
99. LocalGlobe	129. Point Nine Capital	159. Temasek Holdings
100. London Co-Investment Fund	130. Prudence Holdings	160. TEPCO (Tokyo Electric Power)
101. Mastercard Start Path	131. QueensBridge Venture Partners	161. The Royal Bank of Scotland
102. Mitsubishi UFJ Financial Group	132. Rakuten	162. Toronto Dominion Bank Group
103. Mizuho Capital	133. Rhodium	163. TriplePoint Capital
104. Momentum London	134. Ribbit Capital	164. True.
105. Mosaic Ventures	135. Rockstart Accelerator	165. Tusk Ventures
106. Narodowe Centrum Badań i Rozwoju	136. Route 66 Ventures	166. UBS
107. Natixis	137. Royal Bank of Canada	167. Upfront Ventures
108. NJF Capital	138. Santander InnoVentures	168. US Bank
109. Nominet Trust	139. SBI Group	169. Vela Technologies
110. Nomura	140. SDVentures	170. Venrex Investment Management
111. Nordea	141. SEB Venture Capital	171. Venture51
112. Northern Trust	142. Seedcamp	172. Venturra Capital
113. Nyca Partners	143. Seedcoin - Bitcoin Startup Incubator	173. Vickers Venture Partners
114. Oak Investment Partners	144. Silicon Badia	174. Virgin Group
115. Octopus Ventures	145. Sinai Ventures	175. Wayra
116. Omidyar Group	146. Singapore Exchange Limited	176. Wells Fargo & Company
117. OP Financial Group	147. Social Leverage	177. Westpac
118. Outlier Ventures	148. Spark Capital	178. Wicklow Capital
119. Oxford Seed Fund	149. Sprints Capital	179. Xceedance
120. Paladin Capital Group	150. sproutx	180. ZAD Investments

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## Think Tanks, R&D Centers, Hubs and Accelerators

Think Tanks and R&D Centers	Hubs	Accelerators
<ol style="list-style-type: none"> <li>1. Autonomous NEXT</li> <li>2. BBFA</li> <li>3. British Blockchain Association</li> <li>4. Centre for Cryptocurrency Research and Engineering Reform</li> <li>5. UCL Centre for Blockchain Technologies (CBT)</li> <li>6. Oxford Blockchain Network</li> <li>7. Cambridge Blockchain Society</li> <li>8. Open Blockchain</li> <li>9. The Alan Turing Institute</li> <li>10. Future of Humanity Institute</li> <li>11. KCL Blockchain</li> <li>12. Deep Knowledge Analytics</li> </ol>	<ol style="list-style-type: none"> <li>1. Big Innovation Centre</li> <li>2. CognitionX</li> <li>3. Cambridge Blockchain Hub</li> <li>4. TechSPARK</li> <li>5. Rainmaking Loft</li> <li>6. RocketSpace</li> </ol>	<ol style="list-style-type: none"> <li>1. Level39</li> <li>2. Rise London / Barclays</li> <li>3. Founders Factory</li> <li>4. Entrepreneurial Spark</li> <li>5. J.P. Morgan</li> <li>6. FinTech Innovation Lab London</li> <li>7. Startupbootcamp FinTech London</li> <li>8. Tech nation</li> <li>9. TechStars</li> <li>10. Bank of England FinTech Accelerator</li> <li>11. Coinsilium</li> </ol>