

INTELLECTUAL OUTPUT 1

ACTION LIST

Deliverable: IO1/A4



BCT4SMEs

[30/07/2021]

ASSERTED KNOWLEDGE

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REVISION HISTORY

Version	Date	Author	Description	Action	Pages
[1]	30/07/2021	AKNOW	CREATION	C	6

(*) Action: C = Creation, I = Insert, U = Update, R = Replace, D = Delete

REFERENCED DOCUMENTS

ID	Reference		Title
1			
2			

APPLICABLE DOCUMENTS

ID	Reference		Title
1			
2			

Executive Summary

In comparison with big firms, small businesses confront several problems in the business economy. Many of them face barriers in entering trade markets, while others can confront difficulties in several sectors, such as transactions, data storage, cash flow, and security but also for efficiently protecting IP. When it comes to security issues and in particular, data storage, many companies use the Internet of Things (IoT) for this scope, as big number of devices connected to the internet give the opportunity to control data. Nevertheless, managing all of these IoT devices and the data included in them, often becomes a challenge for enterprises. In addition to this, other security issues may include other fields such as digital transactions, digital identity, communication with others, etc. The other problems that mentioned above, namely transactions and cash flow are problems that many SMEs face in the field of finances, in conjunction with other issues, such as payments, investments, etc.

The OBJECTIVES of the project:

- Assist SMEs improve their place in business economy
- Promote the use of new technologies in SMEs
- Empower managers/owners of SMEs with the essential skills and knowledge regarding blockchain technology in order to help them run and manage their businesses successfully
- Develop strategies and actions that present an innovative approach on blockchain technology education

The RESULTS of the project:

- Blockchain training course
- Blockchain Implementation Assistant
- BCT4SMEs Academy

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1. Action List

1. Payments and Transactions

Action ID	Title
1.1	Domestic Payments
1.2	Cross-border payments
1.3	Remittances
1.4	Payment gateways
1.5	Security measures in payments with blockchain
1.6	Applications for payments

2. Trading

Action ID	Title
2.1	Clearing and settlement
2.2	Smart contracts in transactions
2.3	Smart contracts creation
2.4	Consensus protocols
2.5	Blockchain apps in trade finance
2.6	Track and trace

3. Cryptocurrencies

Action ID	Title
3.1	Introduction to cryptocurrencies
3.2	Cryptocurrencies and blockchain
3.3	Cryptocurrencies - investments
3.4	Ways to buy cryptocurrencies
3.5	Largest trading cryptocurrencies
3.6	Mining

4. Security and Privacy

Action ID	Title
4.1	Cyber security
4.2	Cloud Security
4.3	Digital Identity management
4.4	Records management
4.5	Securing Private Messaging
4.6	IoT Security

5. Storage Solutions

Action ID	Title
5.1	Distributed database
5.2	Blockchain Storage Products
5.3	Data sharing
5.4	Data Transmission
5.5	Decentralized Cloud storage
5.6	InterPlanetary File System