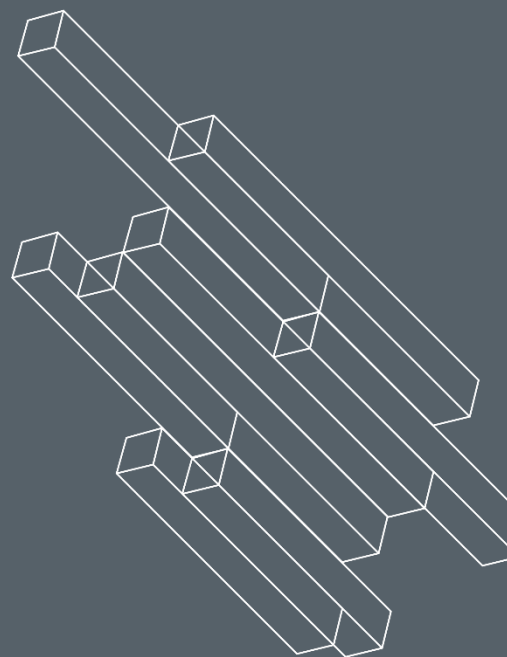


# Blockchain and Cryptocurrency Training

Executive Training

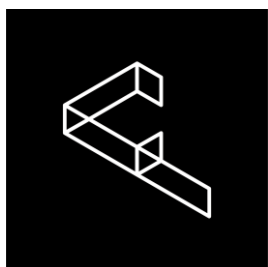
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Facilitated by  
**The Field  
Institute**

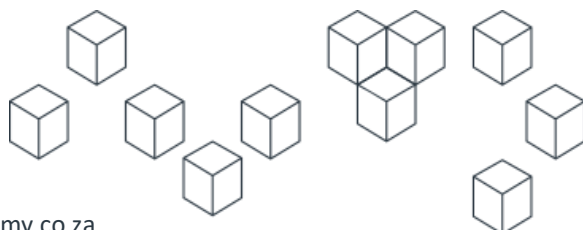
Supported by  
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National  
Blockchain Alliance**

Instruction by the  
**Blockchain  
Academy**



Blockchain Academy and The Field Institute  
**Blockchain Executive Training 2020**

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# Blockchain Executive Training

Blockchain technology is rapidly gaining traction, but the majority of senior executives (63%) still don't know what it is, according to a Global Blockchain Business Council survey reported in Cointelegraph.

The global blockchain market is expected to increase by 80% between 2018 and 2023, from \$1.2 billion to \$23.3 billion, according to ReportLinker.

The most significant advantage of blockchains distributed ledger is reduced operational cost and streamlined efficiency which provides transparency, reliability and authenticity.

Blockchain technology is undoubtedly here to stay and will change the face of business as we know it in the next few years.

**This course has a theoretical basis, but also includes discussions, tutorials and practical's to ensure each participant attains an adequate knowledge base to make high-level decisions with regards to blockchain in their organisations.**



## REQUIREMENTS

- No prior knowledge of blockchain technology and cryptocurrencies is required



## DURATION

**3 days**  
(09h00 - 11h30 SAST)



## TRAINING METHODOLOGY

- Online via GoToWebinar



## PRICE

Scheduled courses:  
R1,500 p/p  
On-demand: R1,500 p/p  
(run for a minimum 8 people)

### TRAINING OUTCOME:

The outcome of this training is to provide attendees with a general overview of cryptocurrencies and blockchain technology.

The course provides a good foundational knowledge of how cryptocurrencies and blockchain technology work, what they can be used for and why they are viewed as being so innovative and disruptive.

The training provides an overview of some important use-cases for blockchain technology in the public sector.

The session will help attendees understand the importance of this technology in terms of building and using permissionless technology.

It will provide attendees with an insight into the future of this technology in terms of innovation and disruption of existing traditional systems and processes as well as how attendees can leverage the benefits of this technology in their own field of work.

This course has a theoretical basis, but also includes discussions, tutorials and practicals to ensure each attendee attains an adequate knowledge base to make high-level decisions with regards to blockchain in their organisations.

This is not a comprehensive training session and attendees are encouraged to contact the Blockchain Academy for further consulting and training to expand on this knowledge.

Blockchain Academy and The Field Institute

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# Blockchain Executive Training

Day 1 and Day 2 (09h00 - 11h30)



## Module 1

### Blockchain: What and Why

- The evolution of money
- History of Bitcoin
- How financial systems and banking works
- Live Bitcoin Transaction demo and analysis
- Basics of blockchain technology

## Module 2

### Blockchain Deep Dive

- Security and risks
- Mining
- Blockchain and real-world data
- Decentralised trust, consensus and immutability
- Demo: recording a digital asset on the blockchain
- Smart contracts
- Permissioned vs permissionless networks

## Practical

Conceptualise your own use-case for blockchain within your organisation. Prepare a 5 minute pitch for Day 3.

## Module 3

### Use-Cases

- Time stamping
- Document provenance
- Payments, remittances and financial inclusion
- Insurance
- Transparency, audit and fraud reduction
- Digital assets and conveyancing
- Health
- Self-Sovereign Identity
- Voting and governance

## Use-Case Presentation

Each participant will have time to present their use-case from Day 2.

The training facilitator and instructor will give feedback on technical feasibility.

# Blockchain Executive Training

Day 2 (09h00 - 11h30)



## Module 3

### Use-Cases

## Guest Speakers



### Blockchain in Insurance

Prof. Monica Singer: Creator of Opportunities at ConsenSys

10:00-10:20am



### Self-Sovereign Identity (SSI)

Gary de Beer: Application Development Specialist at BankservAfrica

10:20-10:40am



### Blockchain in Health

Dr. Ntuthuko Bhengu: Founder and Executive Chairman at Alchemy Health Technologies (Pty) Ltd

10:40-11:00am



### How Consumer Expectation is Driving the Need for Blockchain-Based Food Tracking

Mervyn George: Innovation Strategy Lead for Africa at SAP

11:00-11:20am

## Module 4

Day 3 (09h00 - 11h30)

### The Future

- The internet of money
- Decentralised Autonomous Organisations (DAOs)
- Closing thoughts

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