



**THE
BLOCKCHAIN
ACADEMY®**

COURSE OFFER

WWW.THE-BLOCKCHAIN-ACADEMY.COM

Featured by Distributed Ledger Consulting SàRL-S

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COURSE 1.1: BLOCKCHAIN FOR DUMMIES ***p 3***

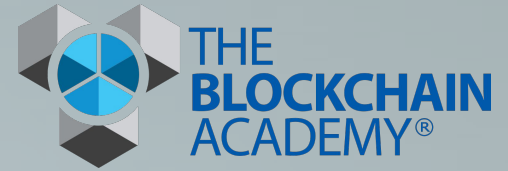
WORKSHOP 1.1: BLOCKCHAIN IN YOUR BUSINESS ***p 4***

COURSE 1.2: BLOCKCHAIN TECHNICAL ANALYSIS ***p 5***

WORKSHOP 1.2: BE CREATIVE WITH TECHNICAL ELEMENTS ***p 6***



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COURSE 1.1: BLOCKCHAIN FOR DUMMIES

Prerequisites: None

Duration: 2h

Languages: en, fr, nl, de

Audience:

Corporates, governmental agencies, investors

Non-technical, entry-level

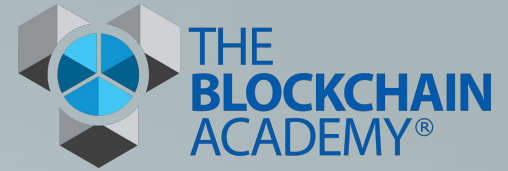
Objective: Grasp the fundamental functional elements of Blockchain and recognize its transformative power for business and society

Content:

- The World without Blockchain
- Ownership, data integrity & trust
- Trust infrastructure
- Infrastructure characteristics
- The world with Blockchain
- New trust paradigm
- Functional design: nodes, miners
- Tamper-proof-ness
- Decentralized trust: characteristics
- The main implication
- Identification
- Ownership & digital tokens
- Blockchain genesis
- Applications: Overview
- Adoption



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WORKSHOP 1.1: BLOCKCHAIN IN YOUR BUSINESS

Prerequisites: Course 1.1 Blockchain Introduction

Duration: 1h

Languages: en, fr, nl, de

Audience:

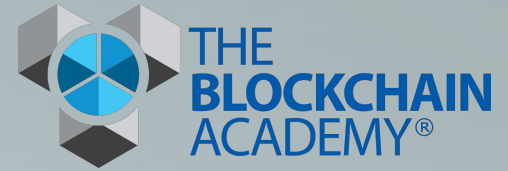
Corporates, governmental agencies, investors

Non-technical, entry-level

Objective: Analyze in-house business processes and apply Blockchain solutions on them, extract conditions for application of Blockchain solutions



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COURSE 1.2: BLOCKCHAIN TECHNICAL ANALYSIS

Content:

Prerequisites: Course 1.1: Blockchain Intro

Duration: 2h

Languages: en, fr, nl, de

Audience:

Corporates, governmental agencies, investors

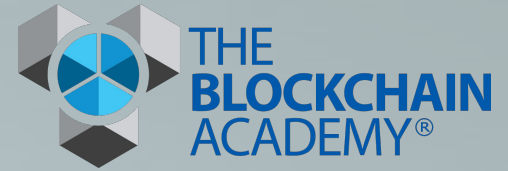
Non-technical, entry-level, basic IT and programming sensibility required

Objective: Understand the technical elements of Blockchain and recognize their interdependencies for the functioning of Blockchain

- Research context: the unsolvable problem
- Double spending & trusted central parties
- Solution tentatives & failure
- Breakthrough: Satoshi Nakamoto
- Traditional voting & blockchain
- Blockchain work-around principles
- Consensus mechanism: 1 CPU = 1 vote
- Proof of Work use case, Blockchain application
- Longest chain rule & implicit voting
- Immutability & public Key Infrastructure
- PKI use cases, PKI Blockchain application
- One way mathematics, hashing, hash-chains
- Blockchain transaction, transaction-chains
- Signing transactions
- Blockchain in Excel



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WORKSHOP 1.2: BE CREATIVE WITH TECHNICAL ELEMENTS

Prerequisites: Course 1.2: Blockchain Technical Analysis

Duration: 1h

Languages: en, fr, nl, de

Audience:

Corporates, governmental agencies, investors

Non-technical, entry-level, basic IT and programming sensibility required

Objective: Implement a simplified model of Blockchain in Excel, practical exercises on Blockchain technical aspects





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