

Block-chain trends and business cases in Korea

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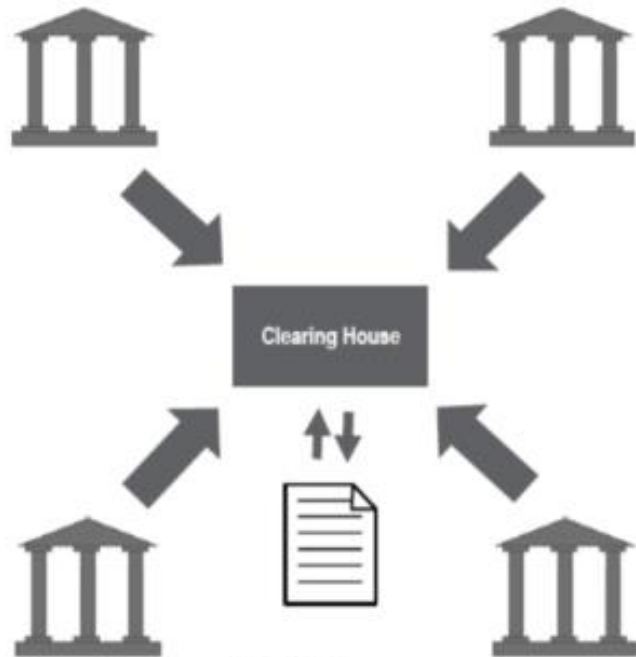


01 Virtual Money



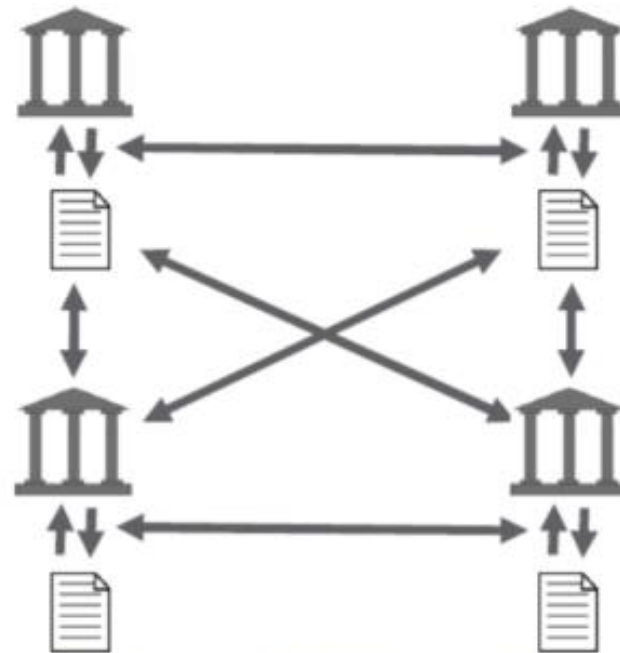
02 Traditional vs Block-chain

Traditional Transaction (Centralized Ledger)



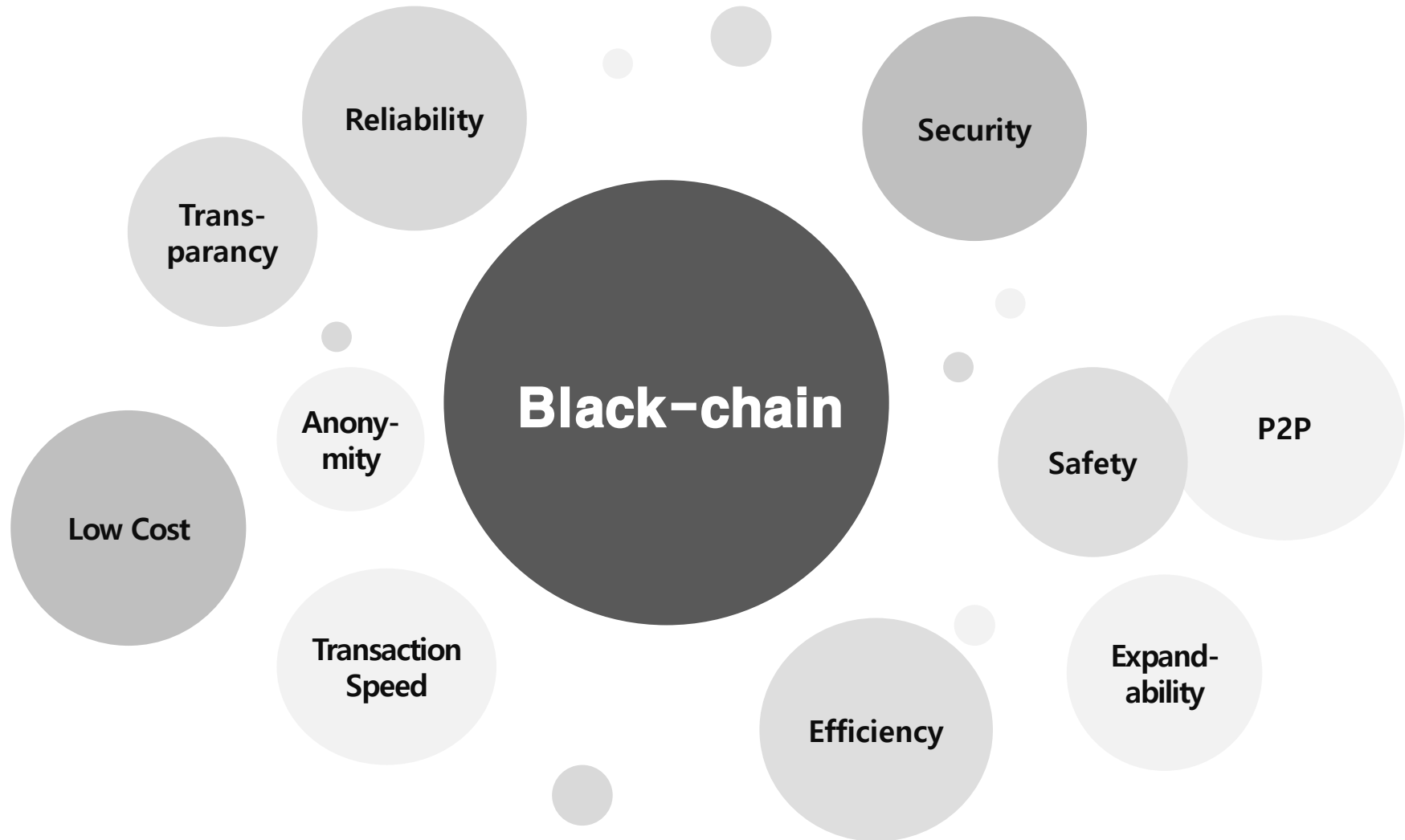
Source: Oliver Wyman. For illustrative purposes only.

Block-chain based Transaction (Distributed Ledger)



Source: Oliver Wyman. For illustrative purposes only.

02 Why Block-chain?



04 Advnacement of Block-chain

Block-chain 1.0



Block-chain 2.0



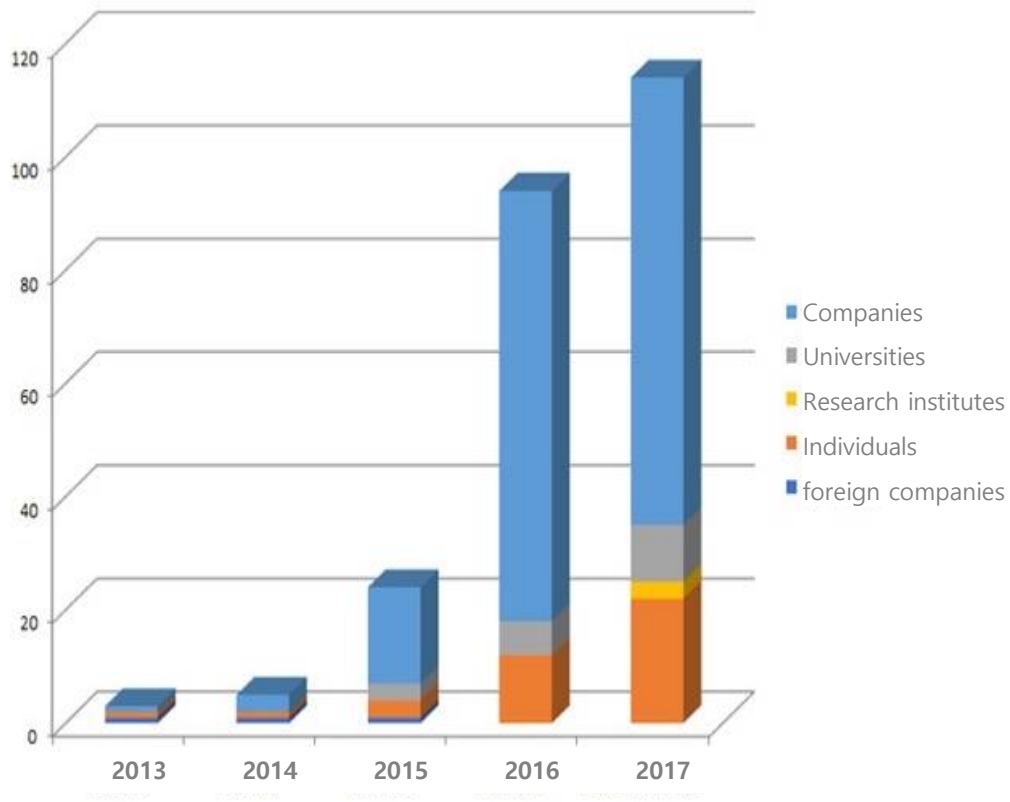
ethereum



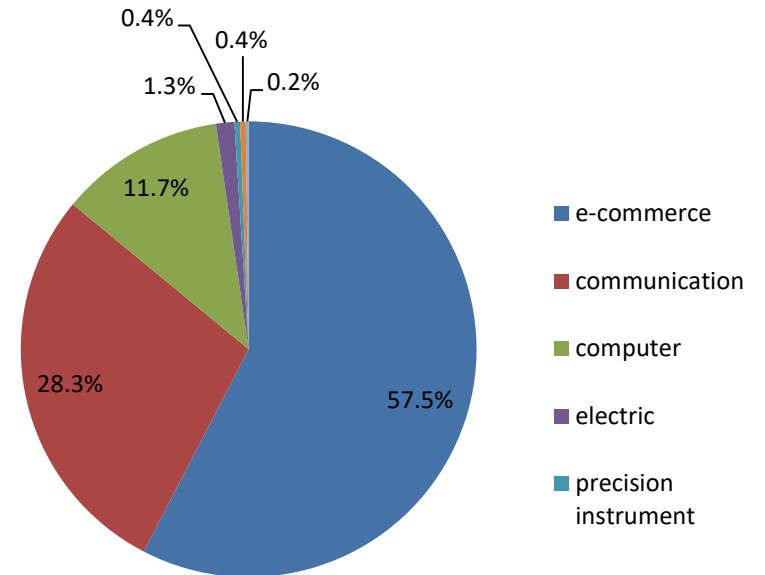
HYPERLEDGER

05 Block-chain trends in Korea

Block-chain Patent application in Korea



Industry Trends



* Source : www.etnews.com ('17.10)

05 Block-chain trends in Korea

18 Korean banks' Block-chain Consortium



- Founded : 2016.11
- Description :
 - Studies on Customer Authentication and Electric Documents Verification

18 Banks
2 Associations


Financial Investment Block-chain Consortium



- Founded : 2016.12
- Description :
 - Service Commencement : Joint-Authentication Service (Block-chain ID Authentication Service : CHAIN ID)
 - Studies on Calculation/Payment Automation, off-board transactions, and etc.

25 Securities
5 High-Techs


Block-chain based Services



- Bit Coin Exchange Market
- Authentication and Remittance
- Gold-bar Letter of Guarantee
- Off-board Transaction Platform
 - KRX : KSM(Korea Startup Market, '16.11)

* KRX : Korea Exchange

Gov. Pilot Projects

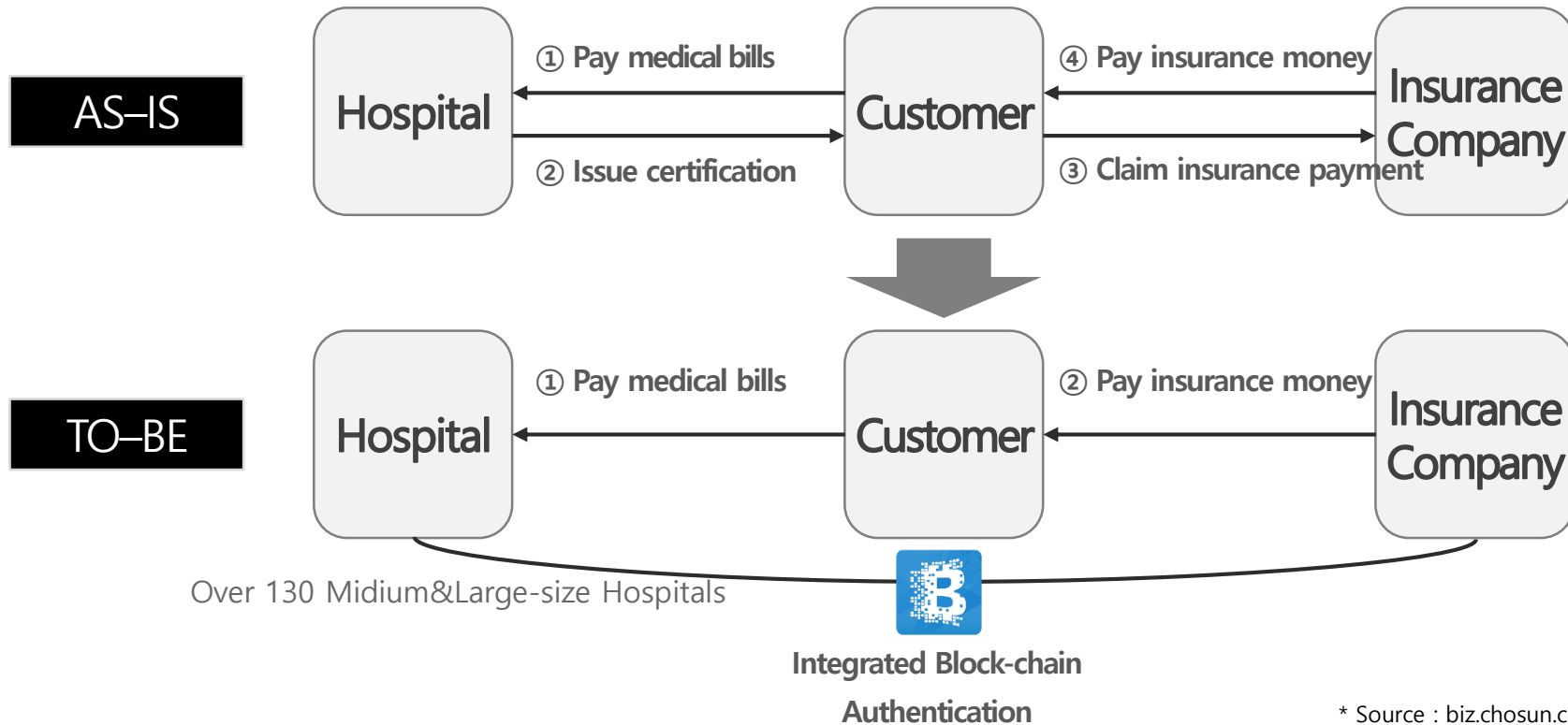


- One-Stop Claim for Medical Insurance Fee
- EHS Data based IoT Converg. Services
- Virtual Money (U-Coin)
- P2P Electric Power Transaction

* EHS: Environment, Health, and Security

06 Business Case

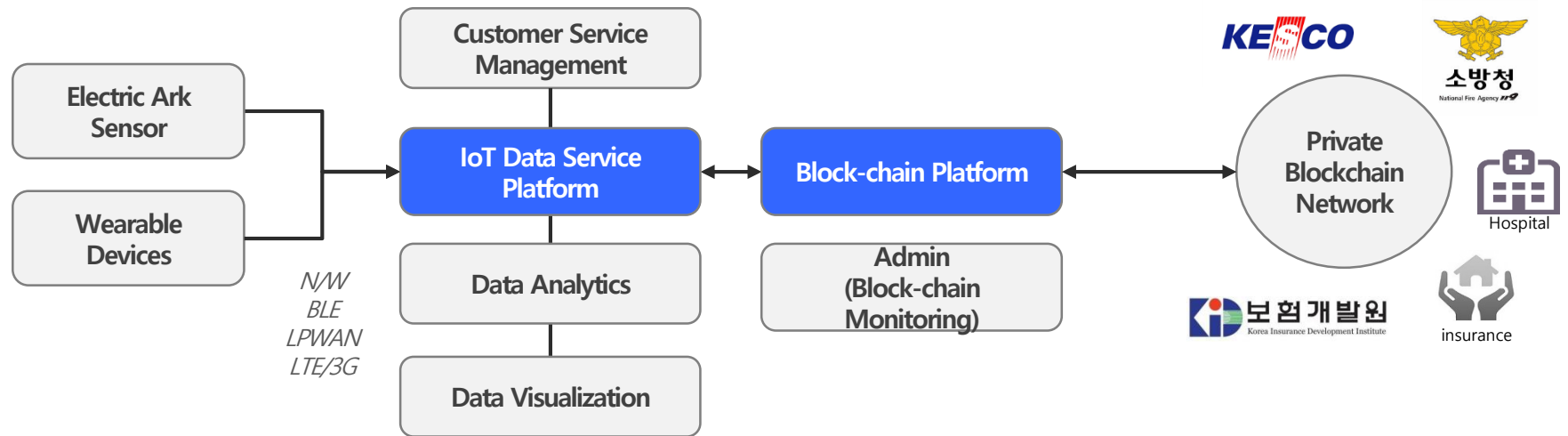
Block-chain based Automatic Insurance Claim Payment Service



* Source : biz.chosun.com ('17.4), modify

06 Business Case

EHS Data based IoT Block-Chain Convergence Service



* EHS : Environment, Health, and Safety
KESCO : KOREA ELECTRICAL SAFETY CORPORATION,
NFA : National Fire Agency
KIDI : Korea Insurance Development Institute

* Source : <https://www.sktinsight.com/88338>, modify

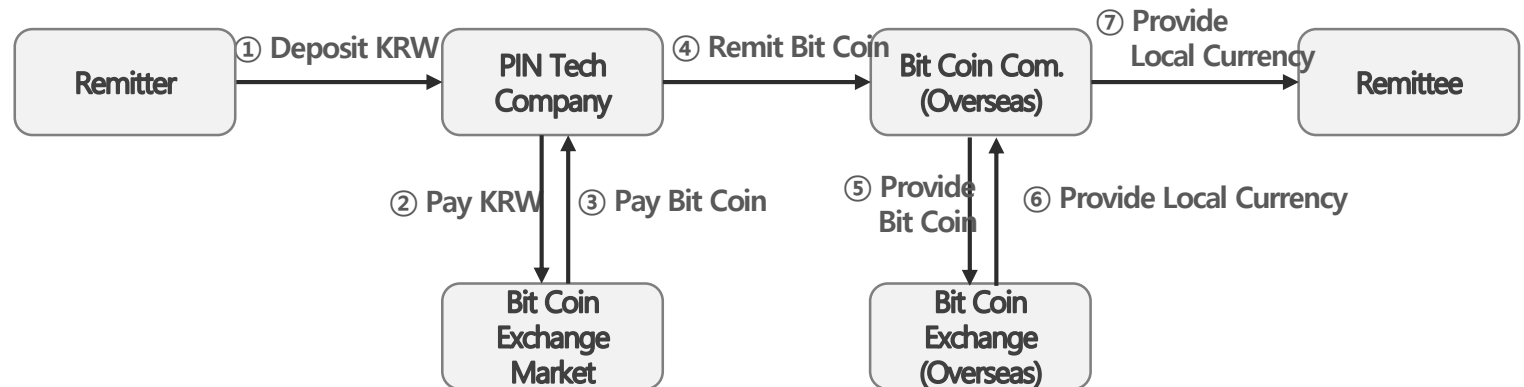
06 Business Case

Bit Coin based Overseas Remittance Service

AS-IS

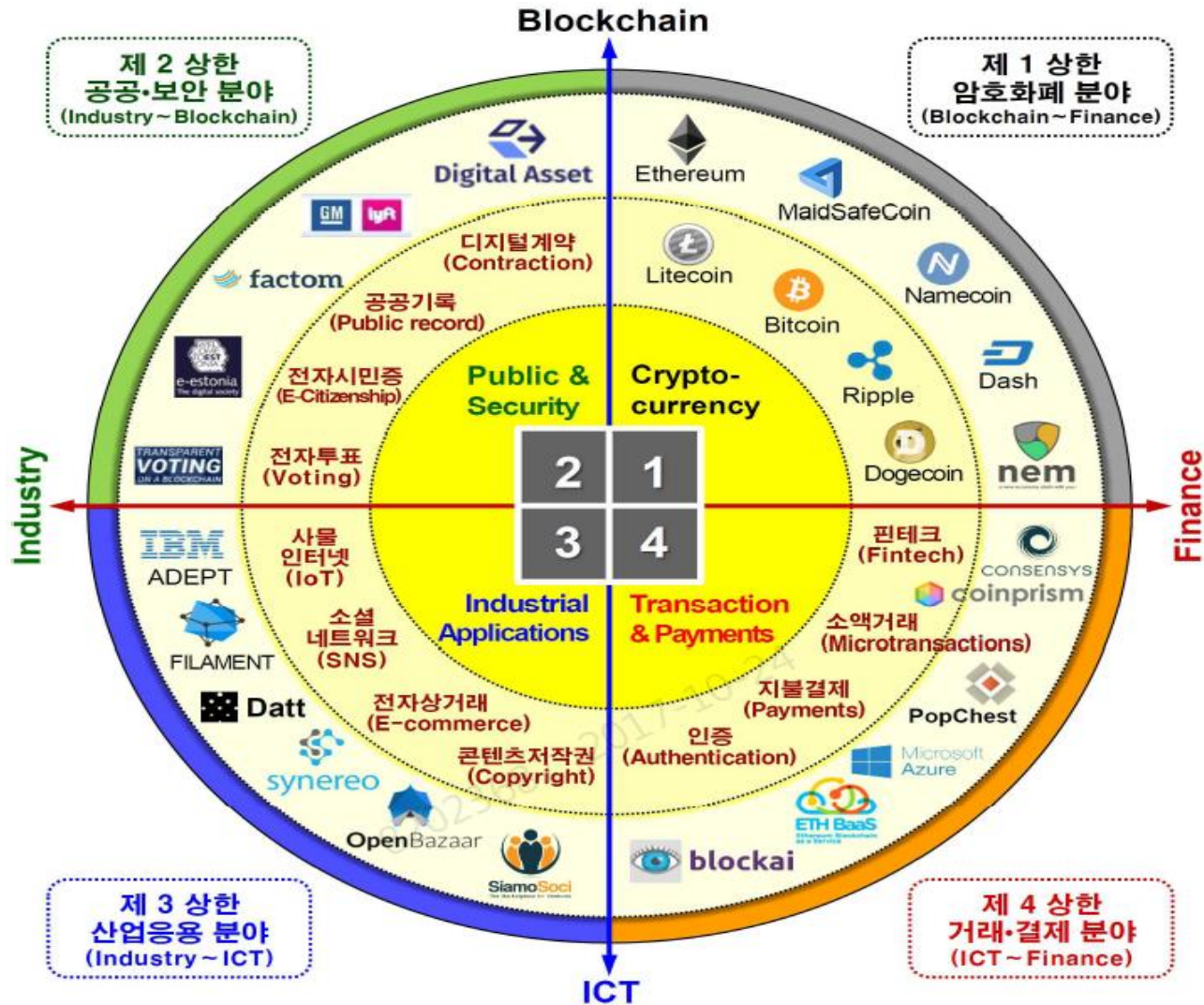


TO-BE



* Source : hankookibo.com ('16.10), modify

07 Block-chain application



* Source : KCERN(Korean Creative Economy Research Network, 2016, 'Block-chain Application Area'

Thank you