



DLT based

# Digitalization of Assets and its impact on CSD business

KSD

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Constraints

KSD Use case

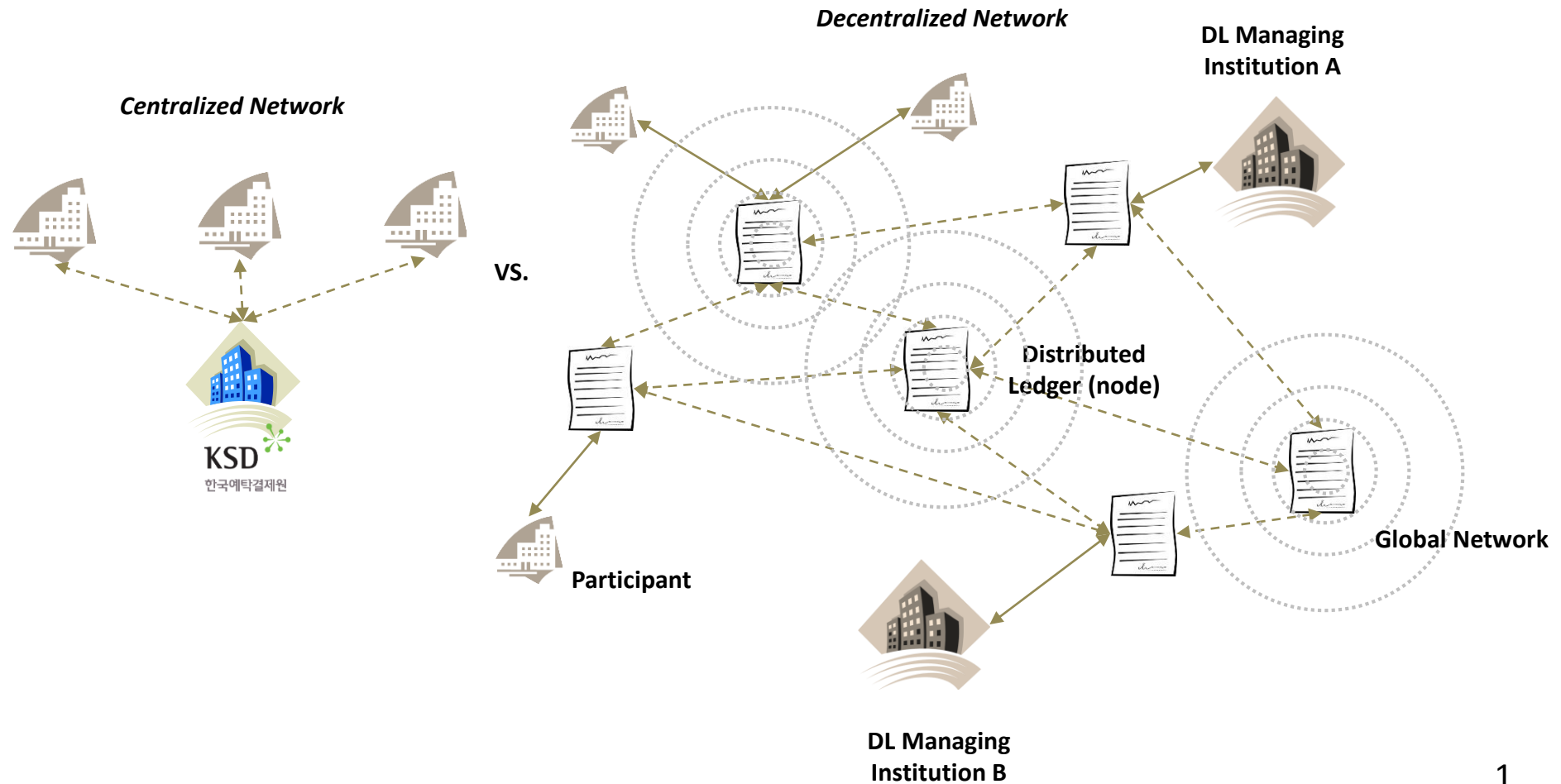
Issues

# Change of Data Flow transmit vs. broadcast

## Data Flow means Cash Flow

: no more data transmission → no more chance of service

## DLT replaces current way of data flow





## Global Agreement

### 2018 Buenos Aires G20 Summit Leaders' Declaration

25. ... We will **regulate** crypto-assets **for** anti-money laundering and countering the financing of terrorism in line with FATF standards and we will consider other responses as needed...

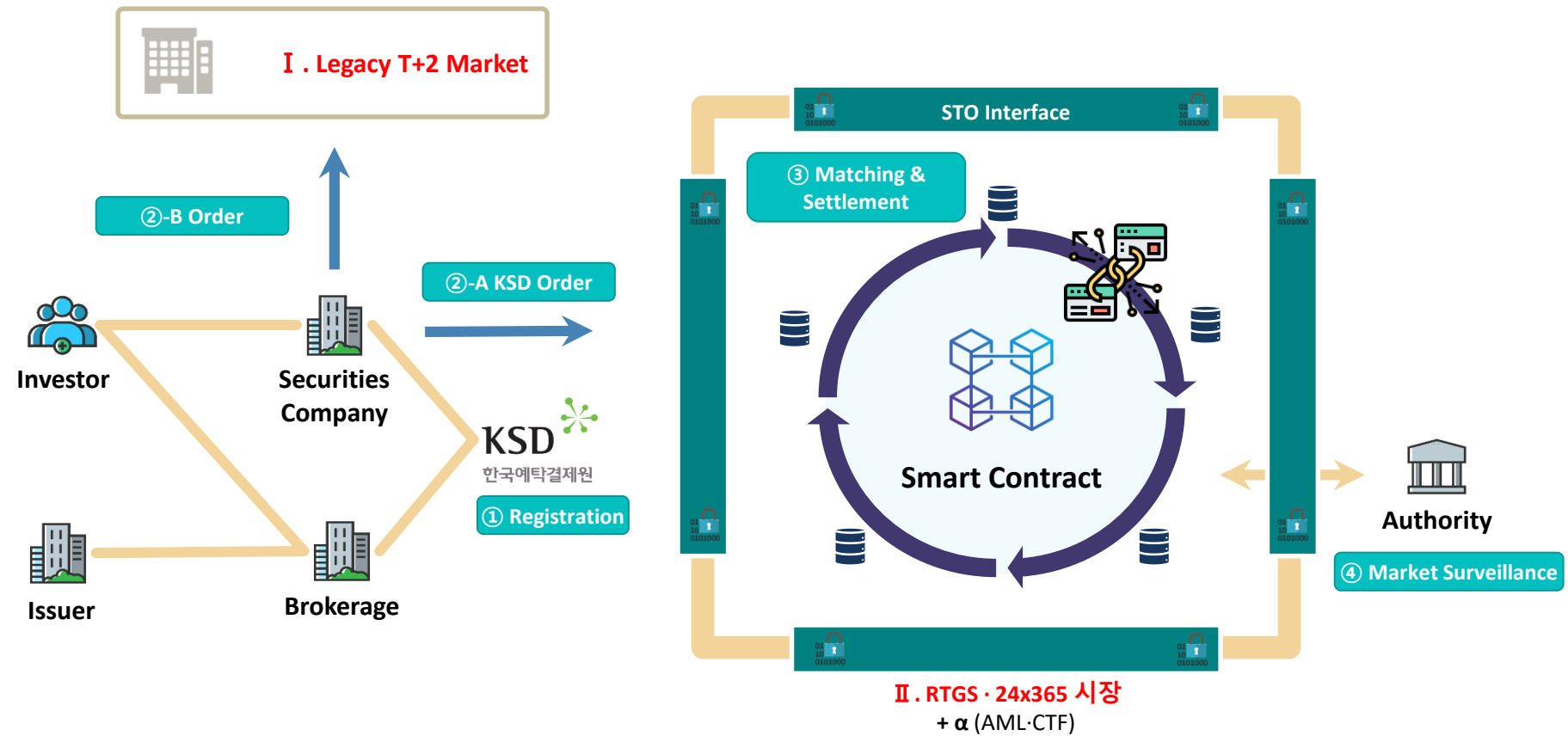
① Public(or permissionless) DLT-based network  
: Any (technically) qualified node can write on the DL  
→ Anonymous Trx. enabled → AML & CFT fails

② Private(or permissioned) DLT  
: the only choice for the AML & CFT *at the moment*

⌘ White Listing

# Latest PoC ~Nov. 2021

Supporting both kinds of markets (legacy & DLT)  
Smart contract based matching & settlement  
More than 10 mil. transactions per 8 hours





## DLT issues

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### Cost-Efficiency

: the cost that must be paid to reach the same performance level of legacy

### Safety

: PKI is quite strong, however “those secured data” are shared

### Network & Traffic

: connecting the nodes requires network lines, something like n-square

### Meaning of duplication

: what’s the difference between DL & backup storage?

### One-way Ticket

: There’s no enterprise-level transaction mgmt. (with H/W dependent delay!)

*“Building the new market & settlement infra. looks easier.” is the only answer.*

# End of Slides

Thank you

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경청해 주셔서 감사합니다