

Tech is changing the way we do business, and the way we look at business from top management perspective



Business Model: Customer acquisition VS User acquisition



Business Targets: Maximizing single entity profits VS Value creation through collaboration, Ecosystem



KPI & performance measurement: Profit VS Valuation

...and the way we look at business, in turn drives the change in finance & treasury and also creates challenges & opportunities to audit



Business Life cycle is getting shorter and shorter:

- Winner takes it all. Life expectancy of companies is becoming shorter and shorter, going concern judgment more difficult
- Traditional capital budgeting is becoming more difficult



Cost & benefits analysis becoming more difficult:

- Traditional link between cost & return is weaken, and is becoming more invisible
- User acquisition as compare to customer acquisition
- Human being add little value to traditional financial analysis, machine can do better
- What truly valuable is intelligence forecast, which can only be done by AI and deep learning



Big leap in speed & efficiency of operation:

- RPA enables more finance operation to be done without human being
- Blockchain enables trackable evidence, creates both opportunities and challenges to internal & external audit

...and the emergence of face & voice recognition and other tech applications, are all changing the way we do banking and finance, and its happening



No-branch distribution network, No distribution staff Full online and automation service, chatbot, AI customer service



Branch account opening, identity verification



Trade finance: No more documentation & verification checking needed

...features of Blockchain will improve efficiency & data integrity







Dis: Distributed Network





P: Permission

Co : Consensus



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SC : Smart Contract

Distributed Ledger Technology

De: Decentralization



B

V : Value/ Asset

E: Encryption



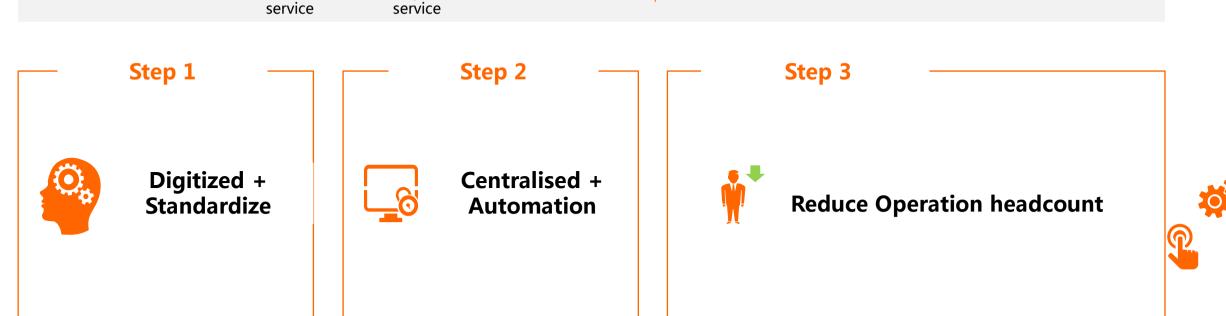


O: Others

Real life examples

The future is now. Steps we took to cope with the change before it is too late





Real life examples 1

Our Treasury: 1st batch in the world SWIFT GPI, the only one in Asia

Apply Blockchain technology in Treasury system



- Corporates directly joined SWIFT gpi
 - Real time
 Trackable
 - Highly secured



• Encrypt



- Not amendable
- High speed certification



- No duplication of payment instruction
- One & only







Inter-company related parties transactions





(PoC)



Secure key



Hash



Timeline



Electronic Contract



Distributed ledger

Treasury: Go Automation, Go Intelligence

Best Liquidity buffer level

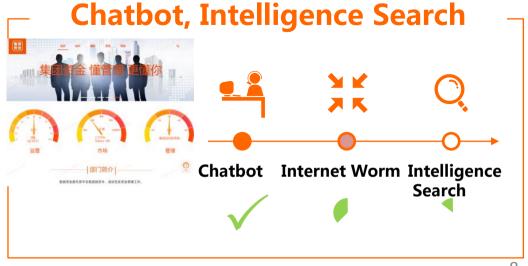


Fully automated cash pooling from 7000 bank accounts

A.I. Dynamic estimation in best liquidity level

Market liquidity forecast





End result

More efficient, more intelligence, more time for valuable works

Automation 98% **Automated Process level**

Intelligence 90% **Automated**

Op Risk control

Treasury ops staff Headcount 30-50%

Reduction



batch of corporates in the world applying SWIFT **GPI**







- Planning
- Decision making





12→6

No of operation processes deduced by 50%



10%

Off-site monitoring

Exception

Control

98%

- Reconciliations 5% & checking
- **95%**

 $7-14_{\text{days}} \rightarrow 1_{\text{day}}$ **Cross border payment** shorten

