



A trusted partner for post-trade financial services

ECB OMG – December 5, 2019



CSDR Settlement Discipline is coming

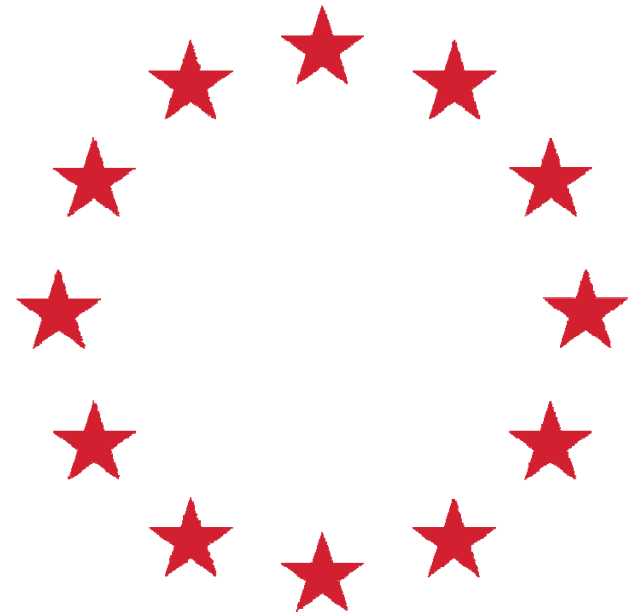
The focus of this EU Regulation is:

Settlement Efficiency

This has been - and remains - one of Euroclear's long-standing priorities

We are continuously identifying and exploring ways to further improve it

And now we are also exploring how to support the buy-in process if trades should fail





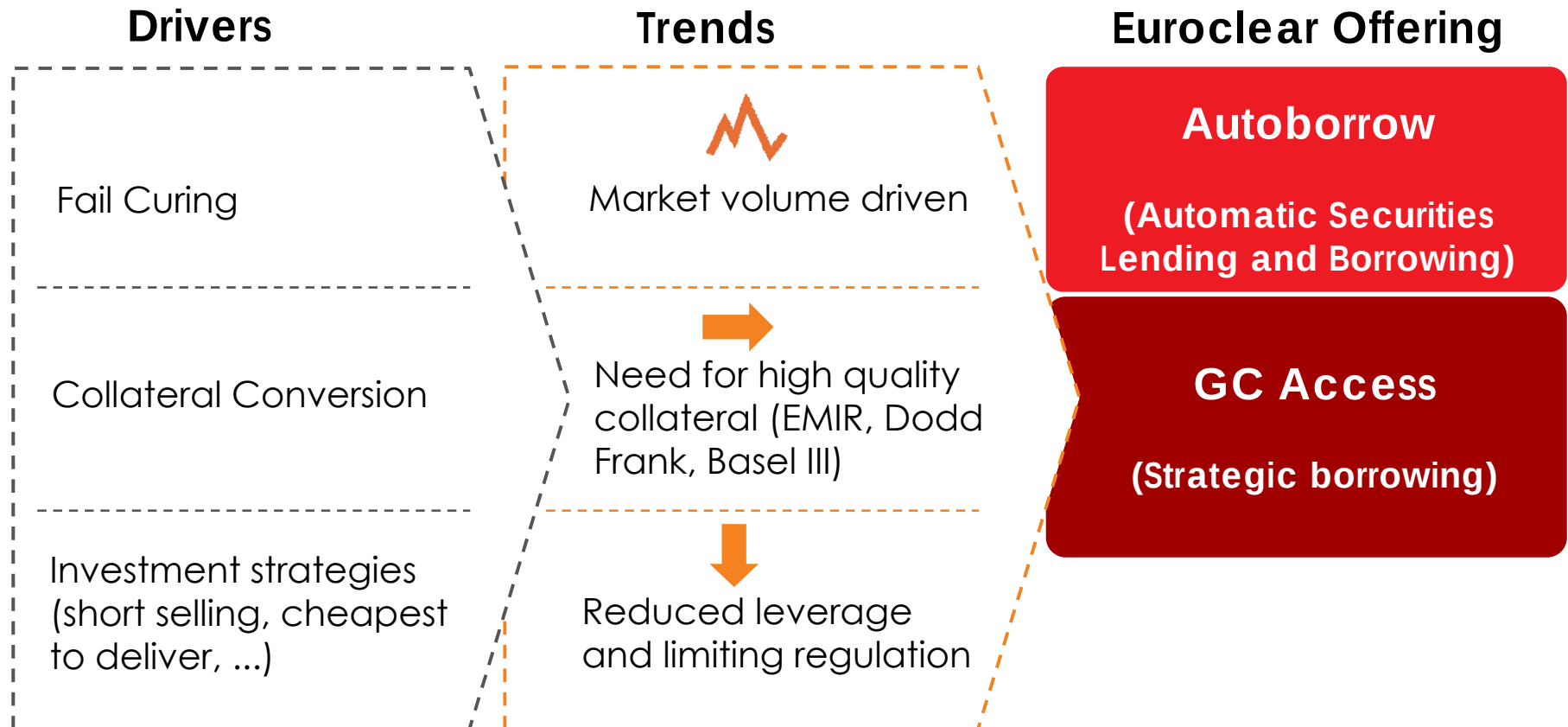
Our approach towards settlement efficiency

Various tools to prevent settlement fails

- Settlement priority flags
- Optional settlement window
- Auto-borrow service
- Opportunity borrowing service
- Credit service
- EASYWAY with realtime reporting
- Taskize: inter-company workflow to resolve settlement fails faster



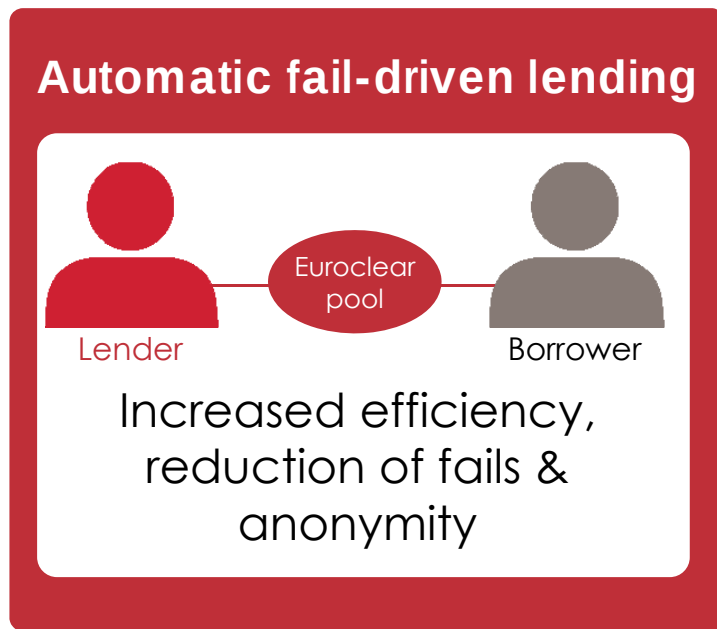
Securities lending in support of settlement efficiency





Securities lending solutions in more detail

Autoborrow - A convenient way to cover your failing deliveries and increase your settlement efficiency

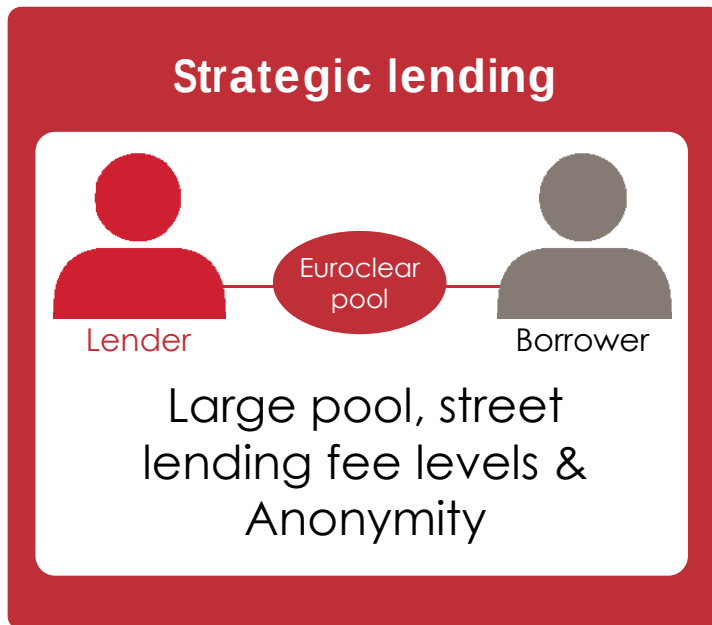


- Access to a €1.5 trillion lending pool
- Boost your settlement efficiency by up to 5%
- Completely automated - no additional workload for you
- Helps you to avoid CSDR-Settlement Discipline penalties and buy-ins
- Available in Euroclear Bank and in local markets (Euroclear France and Crest) and via your agents Citibank and BNP Paribas Securities Services through our Open Inventory Sourcing service



Securities lending solutions in more detail

GC Access - Your access to high quality liquid assets



- Access to €500 billion high quality assets
- Entry to the PSPP securities of various European Central Banks
- You borrow from Euroclear Bank at street levels
- Collateralisation using TSL
- Limited number of collateral profiles
- We do all the rest!



GC Access

Loan Arrangement

- Review available securities
- Agree deal term with GC Access desk



Loan Collateralisation

- First delivered to Euroclear Bank
- Then onward delivered to the lender
- We instruct for you



Loan Settlement

- Automated settlement instructions
- Conditional on collateral settling

Loan Lifetime

- Daily mark-to-market
- Margin calls and substitutions
- Recalls and returns, income payments



CSDR Settlement Discipline

LEGAL
FRAMEWORK

CSDR Regulation (EU) No 909/2014 CSD Regulation (23 July 2014)
Regulatory Technical Standards on settlement discipline (13 Sep'2018)
ESMA Q&A (27 Sep' & 12 Nov'2018, final version expected Q1'19) + Guidelines (TBC)

Measures to Prevent Fails

- **CSD Matching process**
 - Continuous matching
 - Mandatory fields
 - Cash tolerance
- **CSD Settlement process**
 - Real time, automated process
 - Partial settlement
 - Hold and release
 - Bilateral cancellation
 - Recycling
 - Linkage
 - Technical netting
- **Report manual interventions**

Measures to Address Fails

- **Cash penalties**
 - Imposed by CSDs and CCPs
- **Mandatory buy ins**
 - Initiated by trading parties / CCPs
 - Reporting by CSDs
- **Monitoring of fails**
 - Reporting to Regulators by CSDs
- **Suspension of CSD Participant**
 - In case of continued fails

ECSDA Framework: Market Practice (working document)



Cash Penalties Scope

Criteria to be subject to penalties

- The place of settlement is a CSD in the E.E.A.
- Securities traded in an EU venue or cleared by an EU CCP - excluding shares for which the principal trading venue is located in a 3rd country
- Instruction is matched and has reached its intended settlement dated (ISD)
- Settlement status pending at the cut off of the relevant settlement window
- Penalties apply on instructions sent after settlement date
- Penalties apply on cancelled instructions

Scope of penalties is broad: market players should monitor reasons for fails in preparation of launch of CSDR settlement discipline



Cash Penalties Scope

Our understanding instructions **not in the scope:**

- Corporate actions on stock, bond redemptions
- Where insolvency proceedings have been opened against the failing participant
- Instruction in an ISIN is suspended from settlement due to a reconciliation issue
- Fails relating to a technical event in the CSD that prevents settlement

Scope of penalties is broad: market players should monitor reasons for fails in preparation of launch of CSDR settlement discipline

(1) https://registers.esma.europa.eu/publication/searchRegister?core=esma_registers_firds

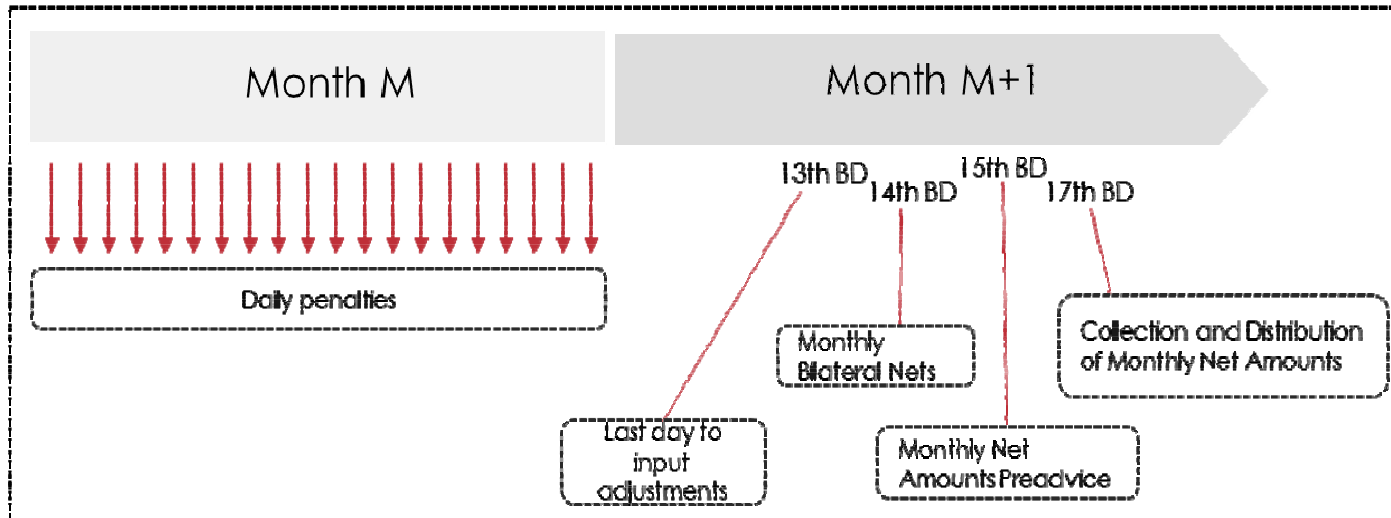
(2) Article 16 of Regulation (EU) No 236/2012: "Short Selling Regulation (SSR)" exempted instrument list:

https://registers.esma.europa.eu/publication/searchRegister?core=esma_registers_mifid_shsexs



Cash Penalties Process

Calculation, payment & reporting



Reporting

- Daily and Monthly Reporting
- Via Easyway, SWIFT, Managed File transfer (MFT), FileAct
- In ISO and CSV

Payment process details working assumptions:

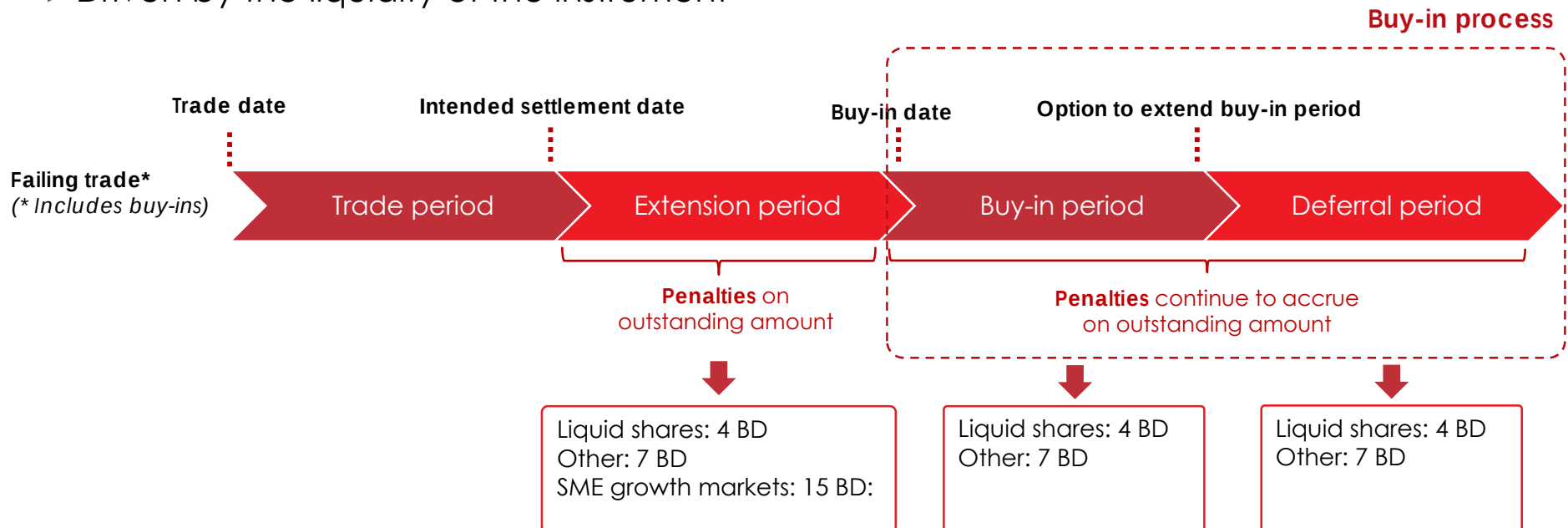
- Direct debit by the CSD
- In a limited number of currencies
- Redistribution before full collection

There are items still under industry discussion



Buy-ins Scope

- **Mandatory** buy-in if seller fails to deliver the securities by the end of **extension period**
 - ▶ Except if:
 - Instrument no longer exists
 - Trading counterparty is subject to insolvency proceedings
 - Short-term repurchase transactions
- **CSDR Settlement periods:**
 - ▶ Driven by the liquidity of the instrument





Buy-ins

Impacts for CSD & CSD participants

Regulatory obligations

Buy-in process

Who is responsible to detect, initiate, follow-up and inform involved parties?

- CCP for transactions cleared by a CCP
- Receiving trading venue member for transactions not cleared by a CCP and executed on a trading venue
- Receiving trading party for transactions not cleared by a CCP and not executed on a trading venue



Buy-ins

Impacts for CSD & CSD participants

Regulatory obligations

Important information

(I) CSD **record keeps** the following non-transactional data:

- Buy-in initiated
- Number of securities bought in
- Price of securities bought in
- Cash compensation amount

(I) CSD cannot 'deduce' buy-in information from its system as:

- The buy-in transaction can settle in another CSD
- Cash compensation does not need to settle in a CSD

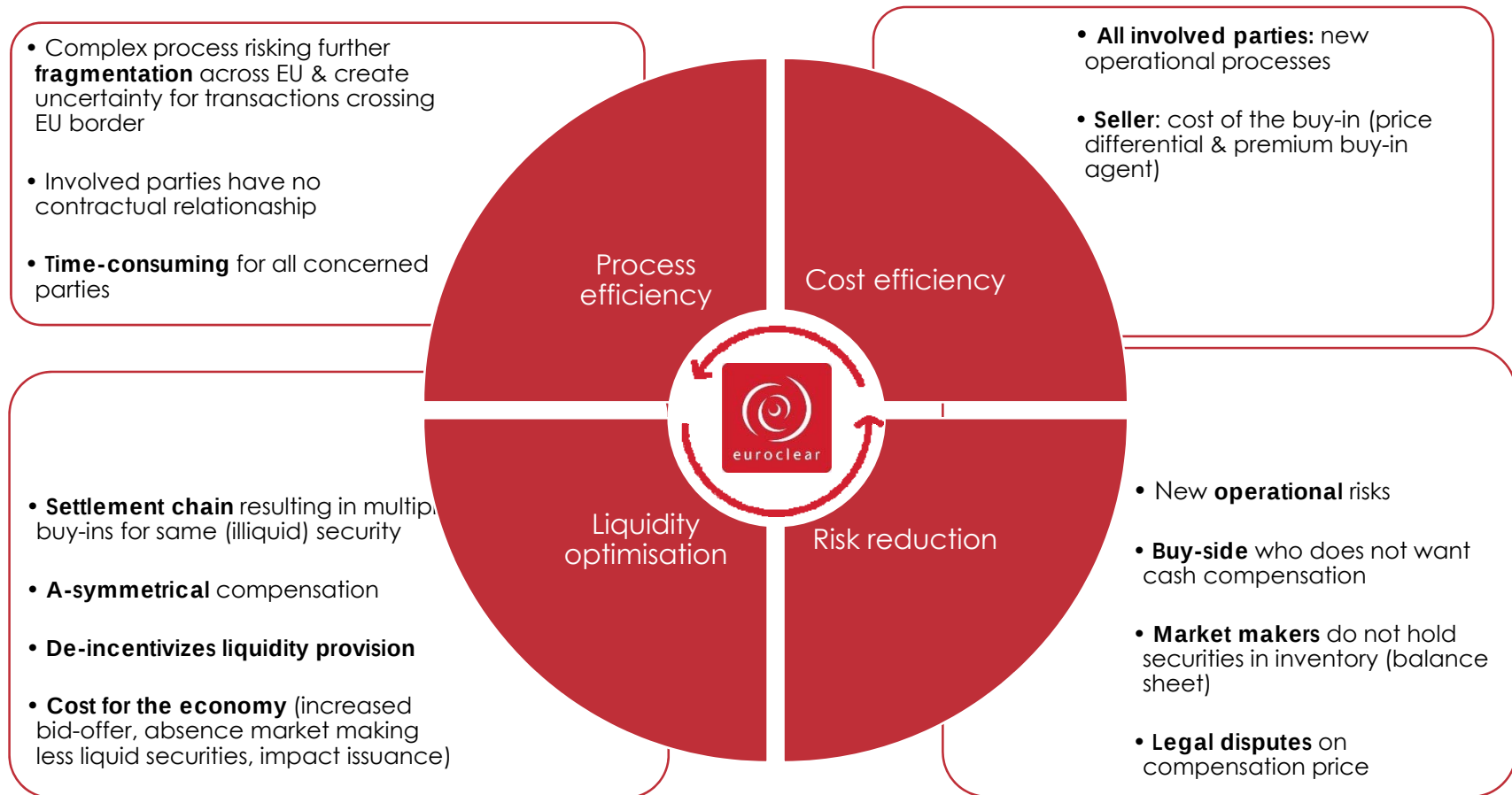
(I) CSD often has no contractual relationship with the ultimate buyer

Industry challenge = information will need to pass through the holding chain!



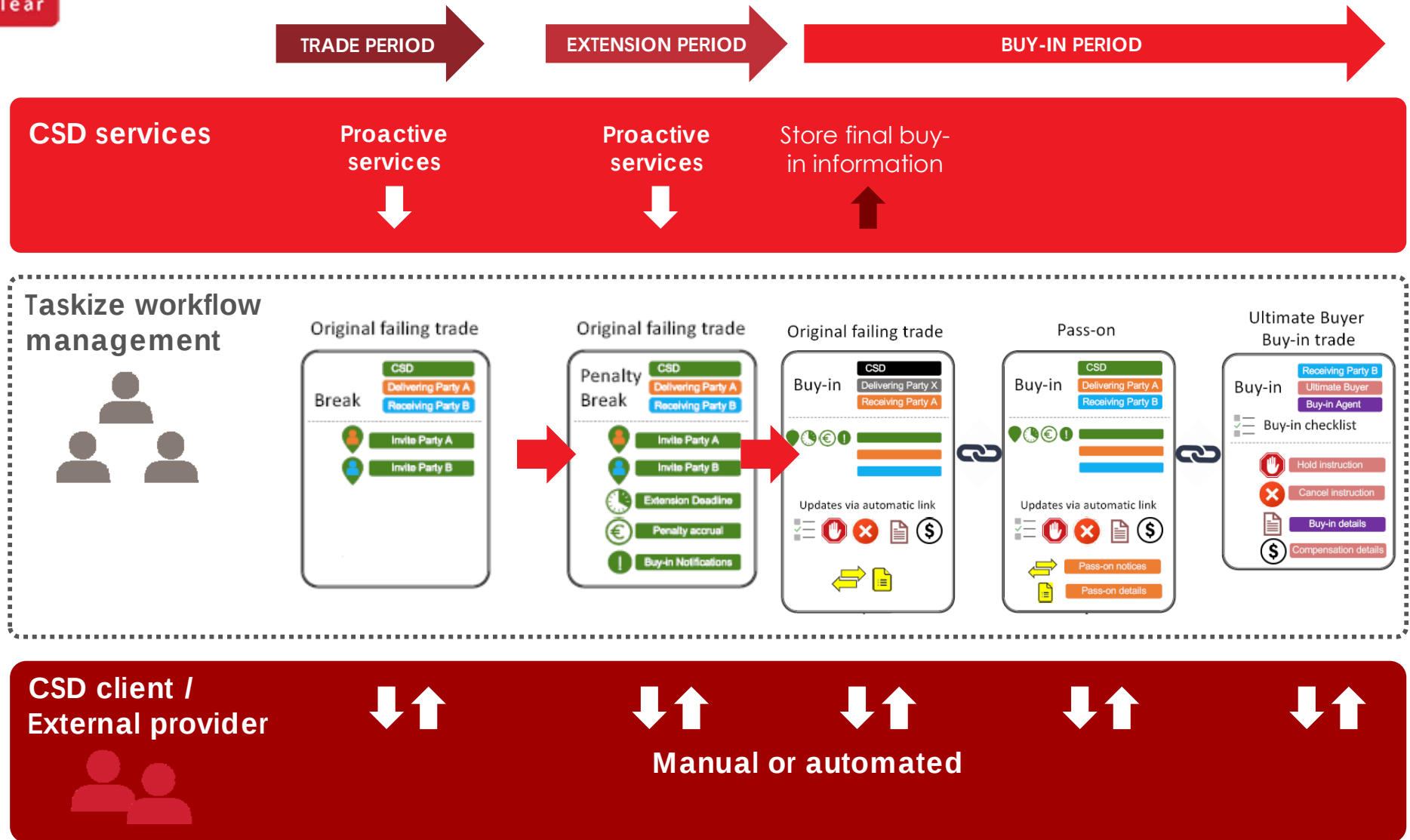
Buy-ins

Industry challenges





How can we tackle the buy-in process more efficiently





15 minute briefing with CSDR Settlement Discipline

Phil Slavin

COO and co-founder

Taskize is
inter-company
workflow

Open a ticket in
one firm, and
resolve it in
another



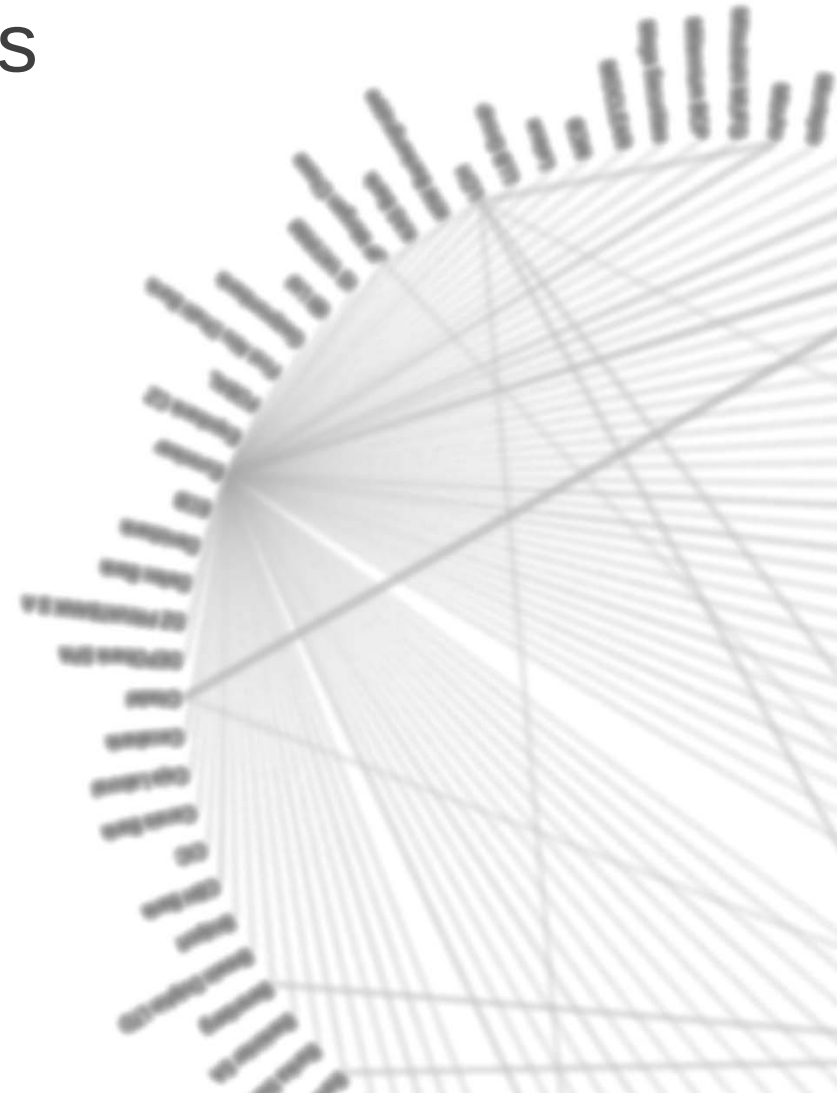
Taskize is **mature**

195 live clients in 50 countries

Growth in 19H2

Clients	16%
Users	32%
Activity	26%

Audited to SOC 2 type 2



Taskize is **collaborative**



Taskize is required

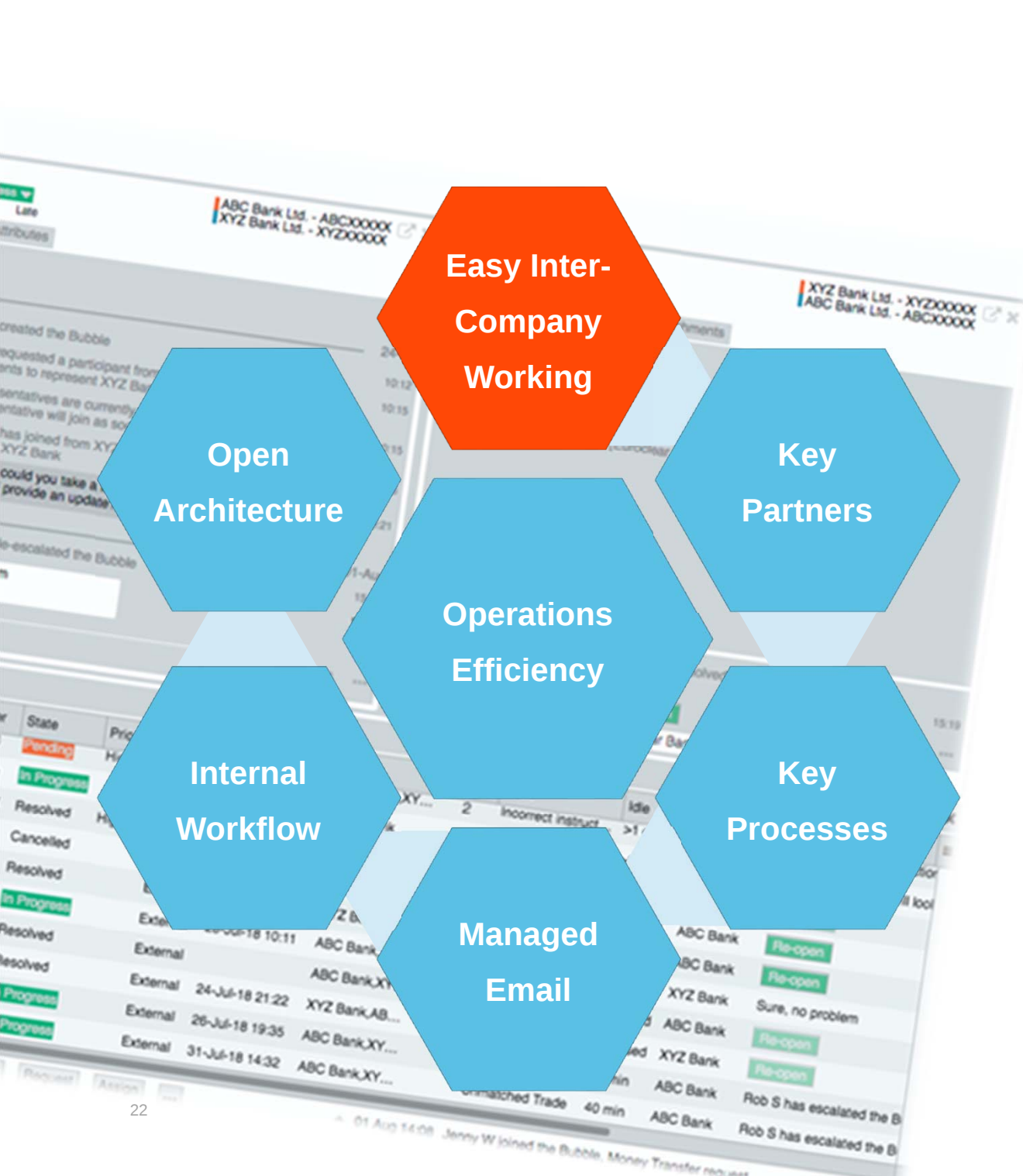


“We've leveraged Taskize to give us the ability to manage our workflows with our suppliers.”

*Steve Marx, US Head of Operations
at FIA Expo 2019*

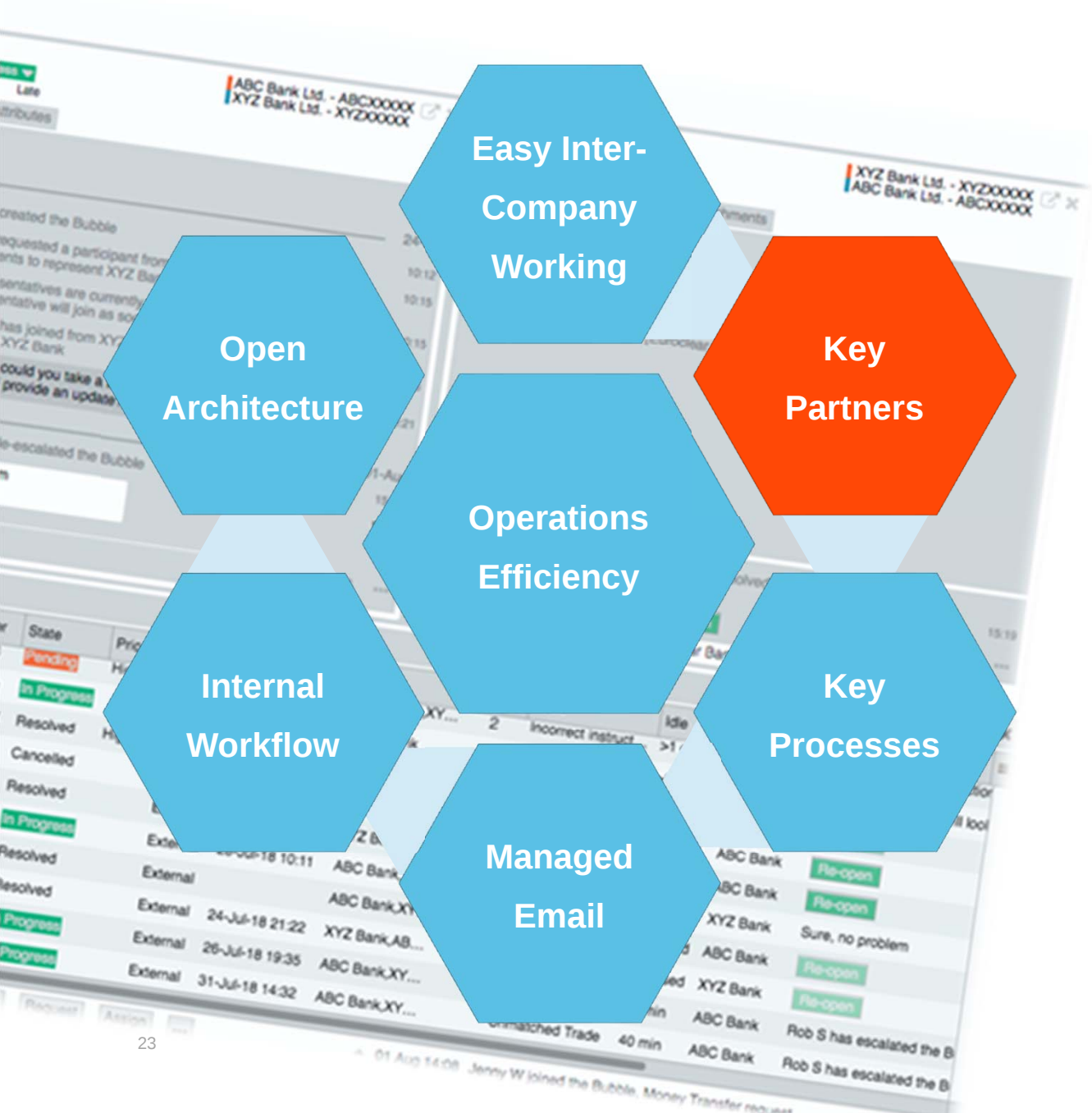
Video at Taskize on [LinkedIn](#)





Allocate work to counterparties easily

- ✓ Improve service levels
- ✓ Know what's happening
- ✓ Prevent data loss
- ✓ Reduce email
- ✓ Avoid phishing



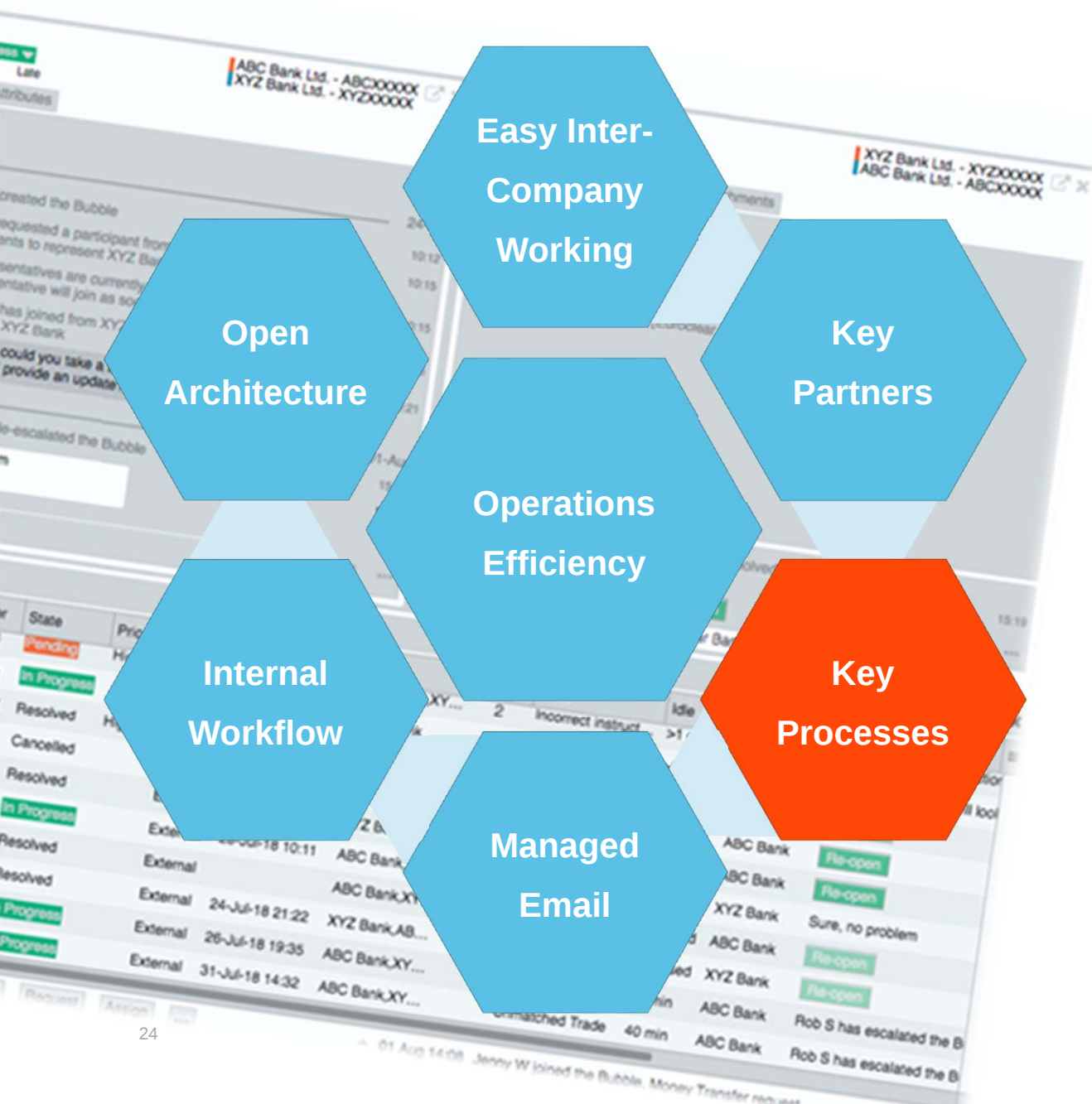
Post-trade made easy

LCH

DTCC



Taskize

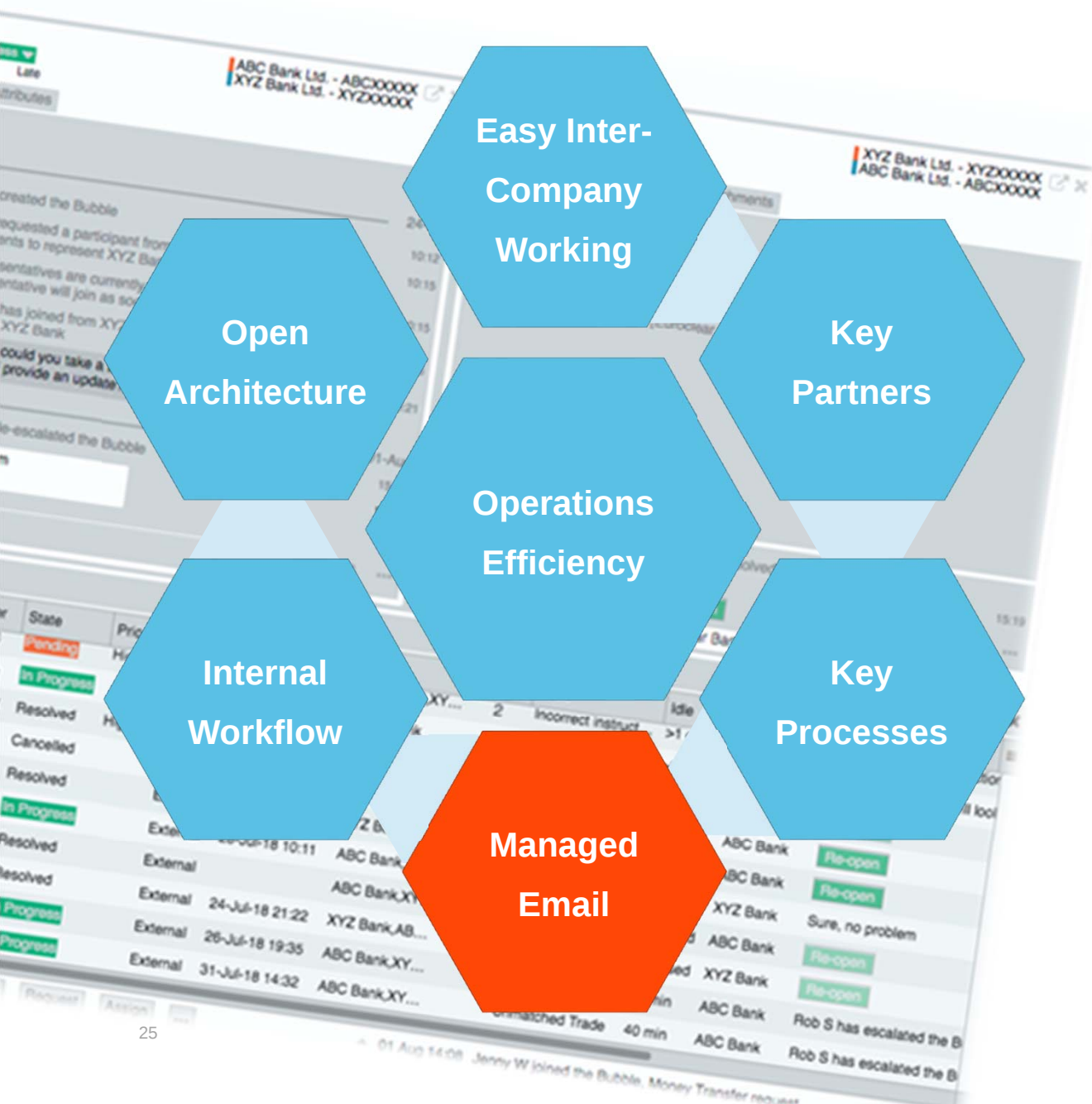


Key processes live for:

- ✓ Collateral queries
- ✓ Corporate actions
- ✓ Settlement breaks
- ✓ Tax enquiries
- ✓ Investigations
- ✓ Margin dispute / query
- ✓ Buy-side to outsourcer

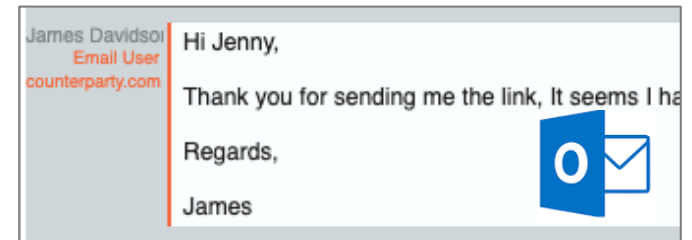
Early 2020

- ✓ **CSDR SDR collaboration flows**

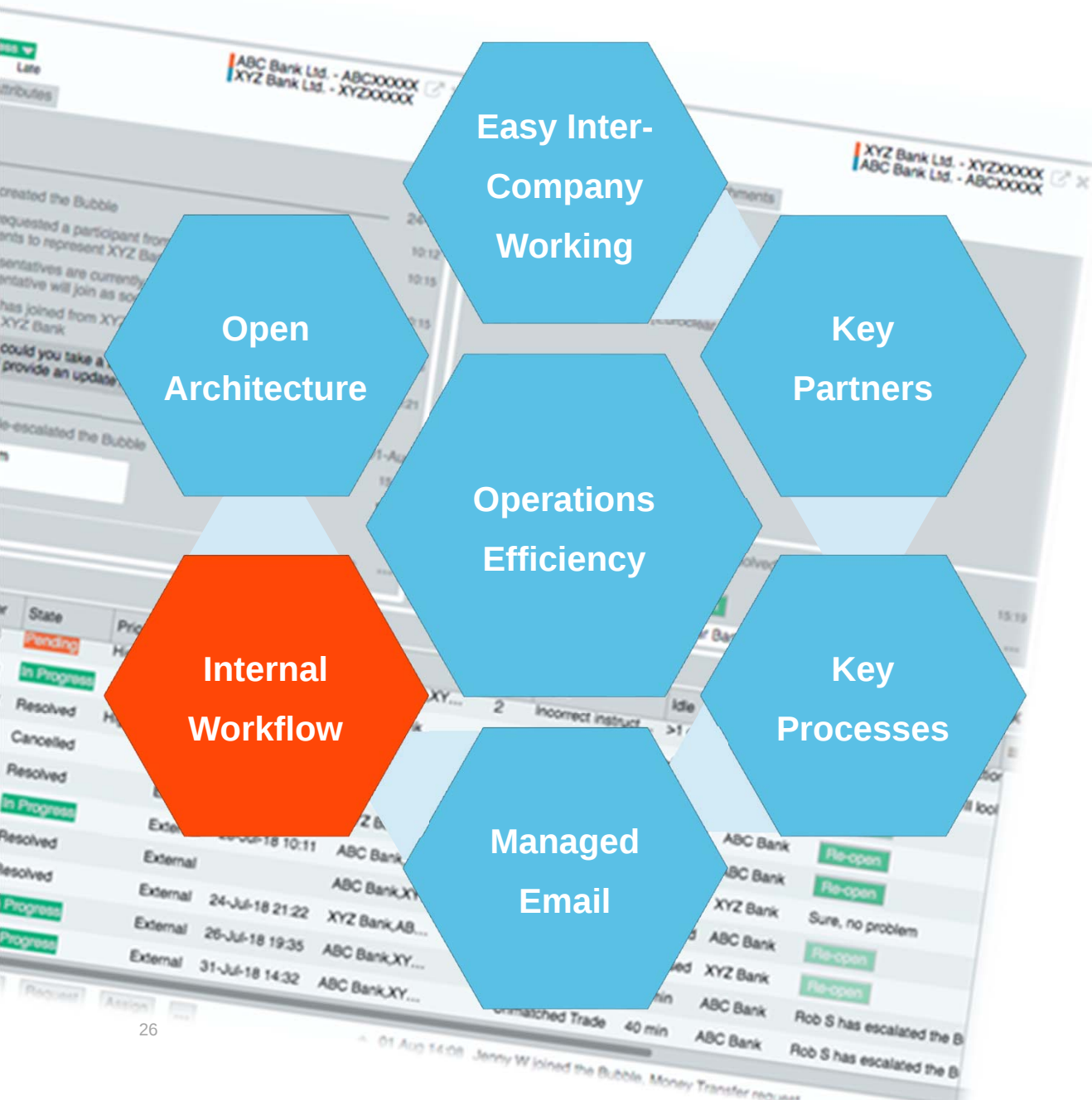


Email in Taskize

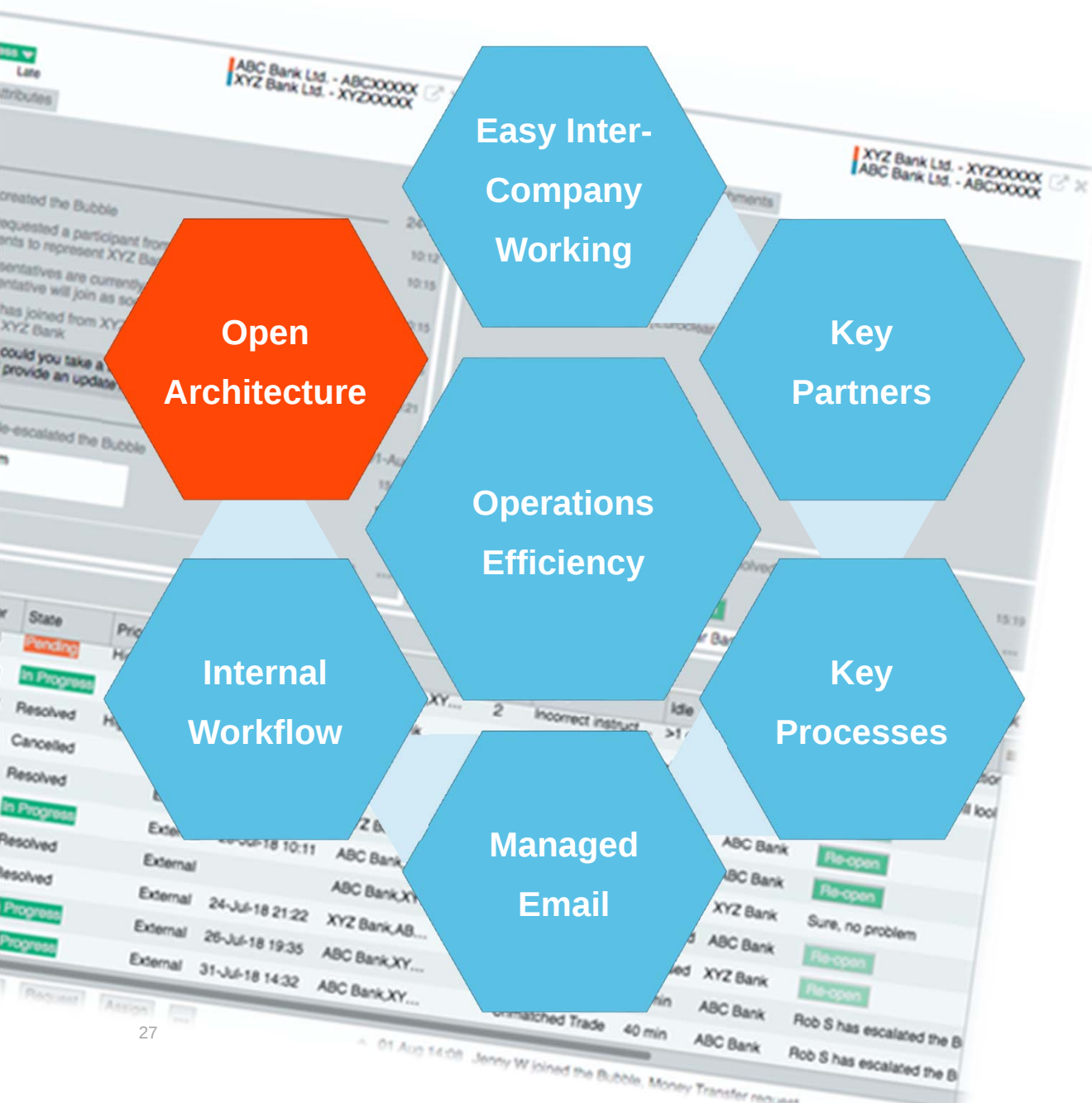
- ✓ Enables easy transition
- ✓ Support legacy users
- ✓ First phase live



For best results use Taskize end-to-end

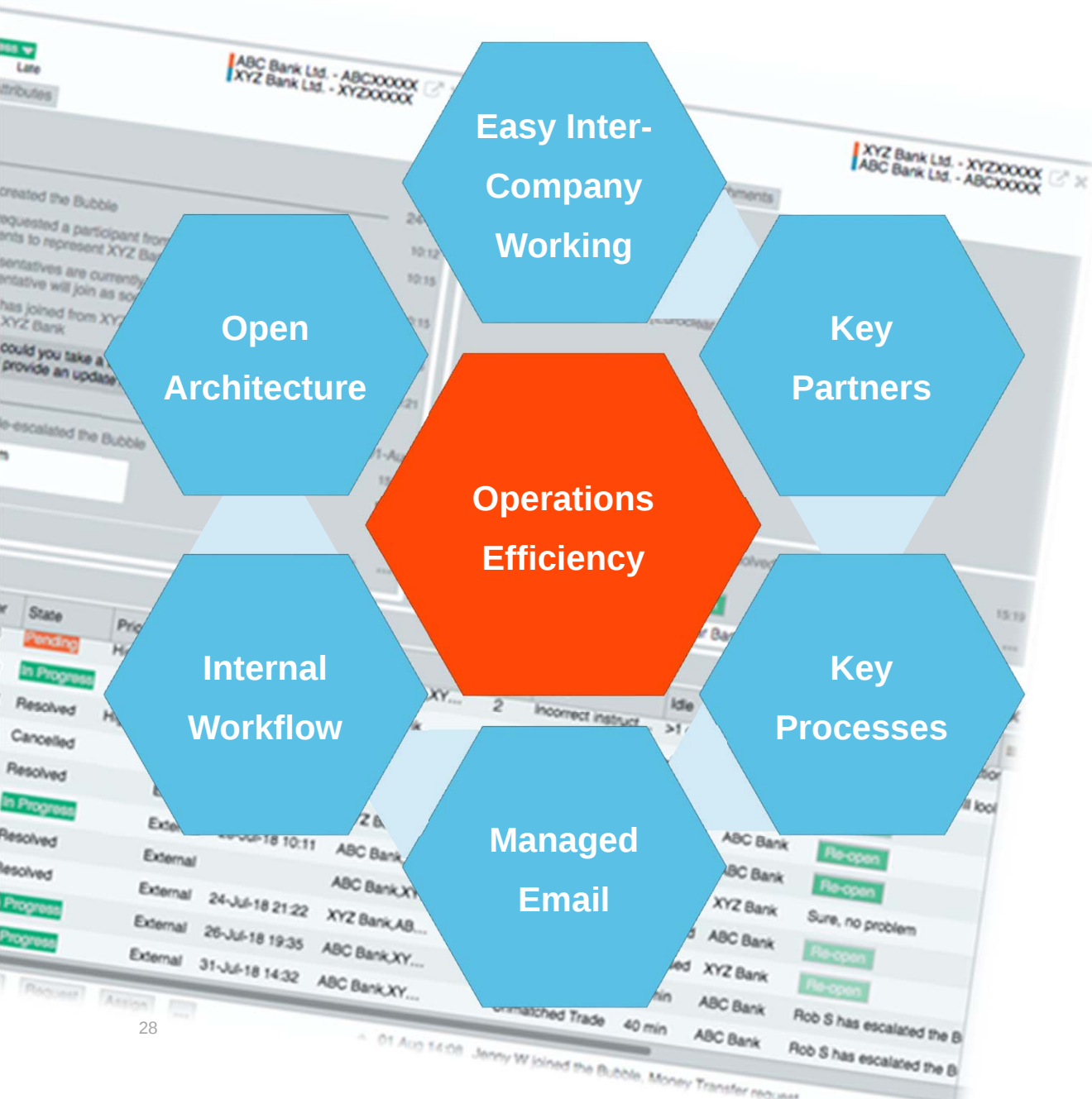


- ✓ “Tier 1” workflow for all institutions
- ✓ Smart directory to navigate your own organisation
- ✓ Reporting
- ✓ Fast onboarding

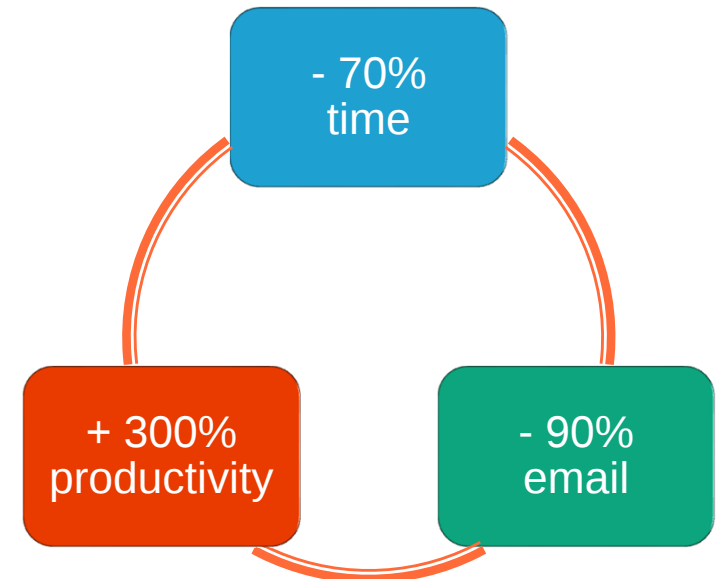


- ✓ Choice in connectivity
- ✓ Taskize Smart Button
- ✓ Taskize Work Alert
- ✓ Single Sign-On
- ✓ User provisioning





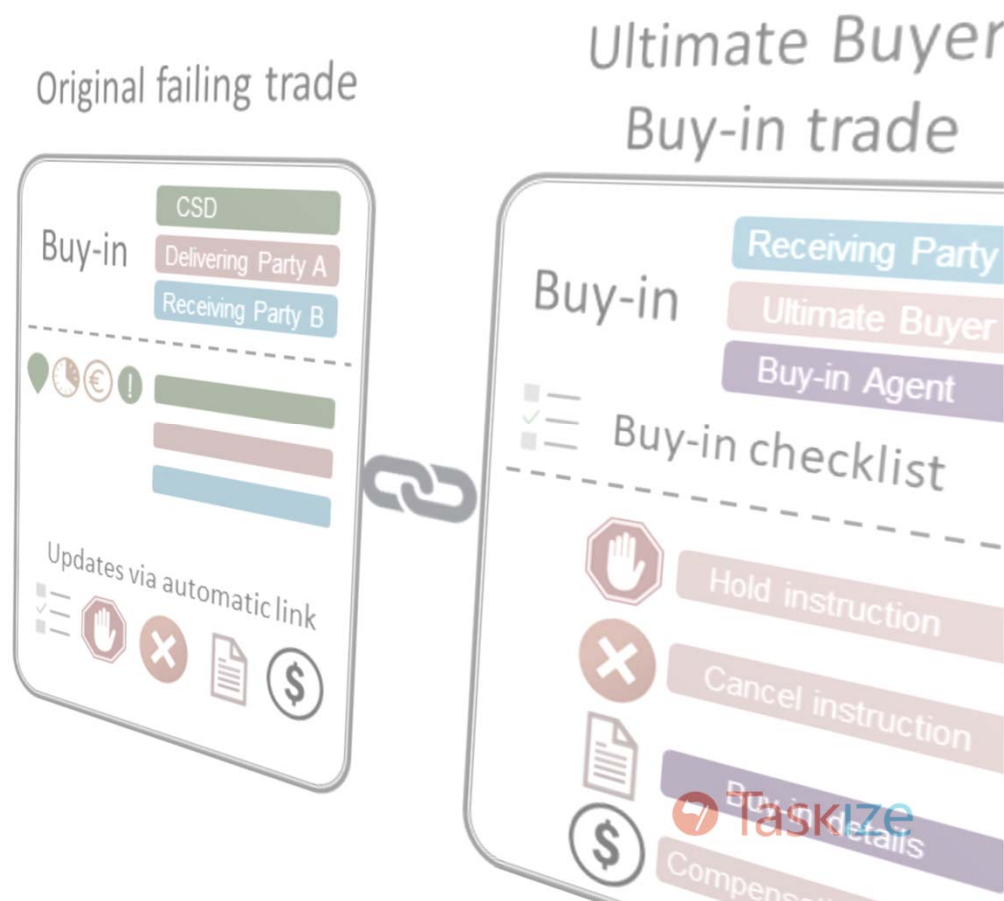
Efficiency in manual operations



CSDR Settlement Discipline Regime

Euroclear clients can have Taskize CSDR free of charge

- New Settlement Discipline workflows
 - Buy-in process
 - Pass-through process
- Working with partners
- Ready by summer

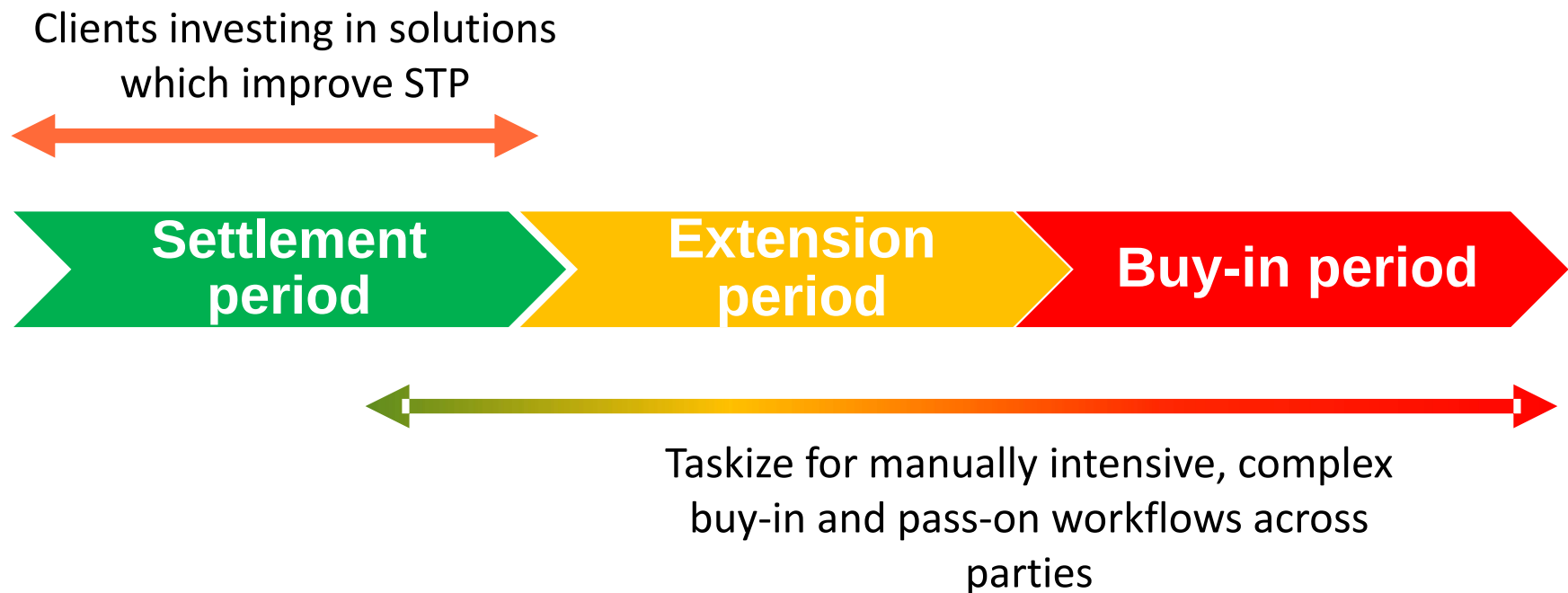


CSDR Settlement Discipline

brings different parties together across the settlement lifecycle



Key Settlement Periods



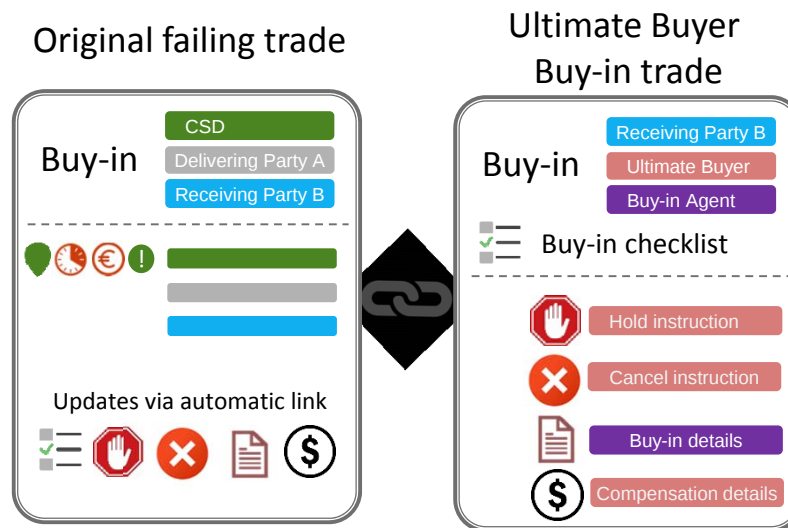
Taskize service during Extension period

Original failing trade

Penalty Break	CSD
	Delivering Party A
	Receiving Party B
	Invite Party A
	Invite Party B
	Extension Deadline
	Penalty accrual
	Buy-in Notifications

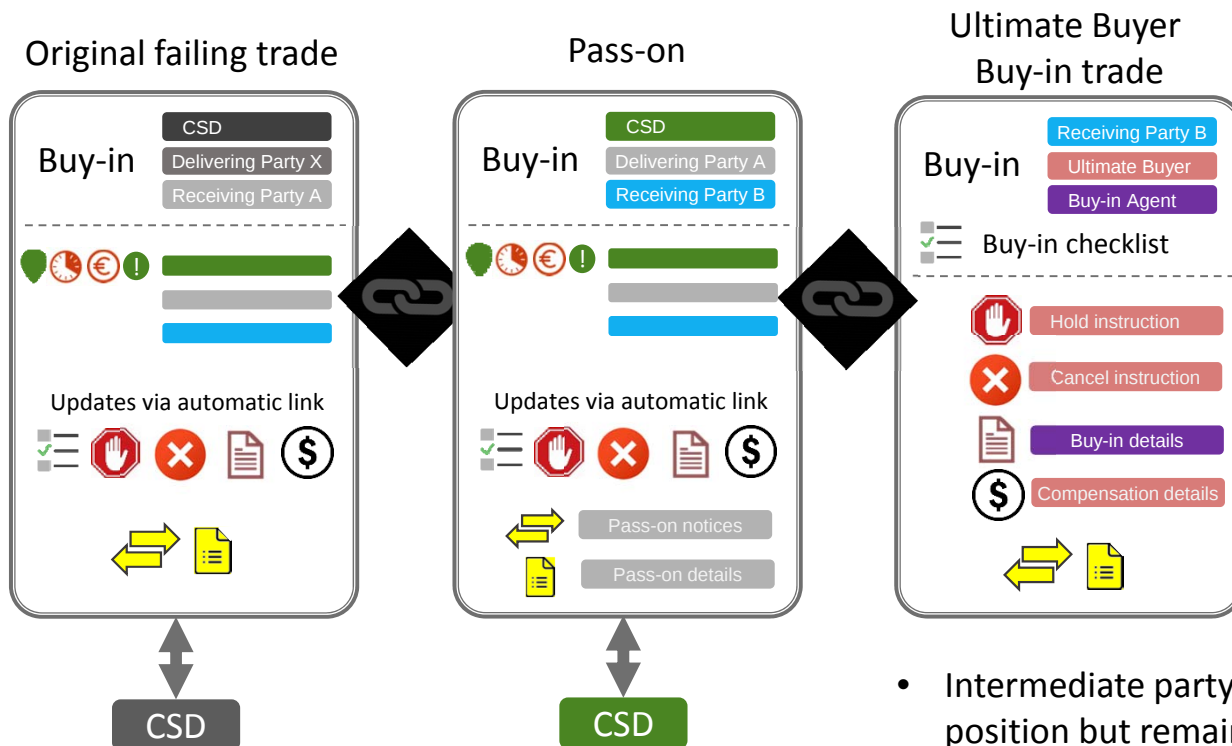
- CSD can create a bubble with specific penalty workflows
- CSD can use Smart Directory to invite both parties to resolve the issue
- CSD can enter daily penalty accruals and make buy-in notifications

Taskize during Buy-in period



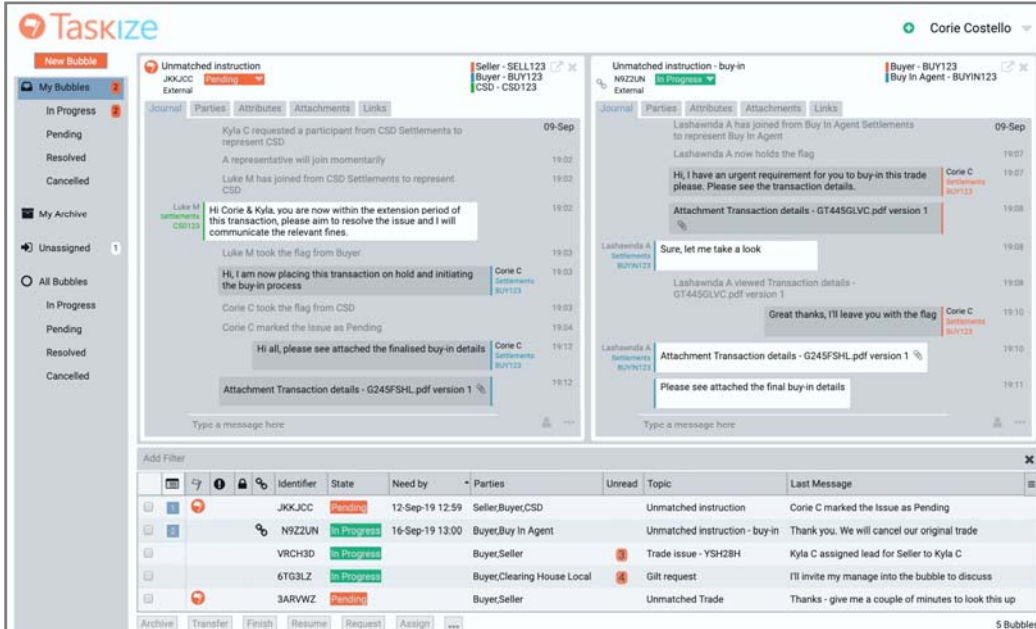
- Receiving party informs ultimate buyer that buy-in is now required
- Buy-in bubble contains workflow, forms and checklists to ensure consistent buy-in process
- Buy-in instructions etc. automatically update the bubble for original failing trade
- All parties are kept informed of buy-in progress simultaneously

Taskize for Pass-ons



- Intermediate party identifies their 'pass-on' position but remains in the buy-in process
- Updates are shared with 'adjacent' parties
- Specific buy-in updates are passed automatically to the relevant CSD

- Private** - interactions kept segregated
- Repeatable** - via templates, forms, workflow and checklists
- Automatic** - key events propagated anonymously between bubbles
- Audited** - all events recorded giving end-to-end traceability



The screenshot displays the Taskize interface with two chat bubbles and a summary table at the bottom.

Left Chat Bubble: Unmatched instruction, JKKJCC, External, Pending. Messages include: "Kyla C requested a participant from CSD Settlements to represent CSD", "A representative will join momentarily", "Luke M has joined from CSD Settlements to represent CSD", "Hi Corie & Kyla, you are now within the extension period of this transaction, please aim to resolve the issue and I will communicate the relevant fines", "Luke M took the flag from Buyer", "Hi, I am now placing this transaction on hold and initiating the buy-in process", "Corie C took the flag from CSD", "Corie C marked the issue as Pending", "Hi all, please see attached the finalised buy-in details", and "Attachment Transaction details - G245FSL.pdf version 1".

Right Chat Bubble: Unmatched instruction - buy-in, N9Z2UN, External, In Progress. Messages include: "Lashawinda A has joined from Buy In Agent Settlements to represent Buy In Agent", "Lashawinda A now holds the flag", "Hi, I have an urgent requirement for you to buy-in this trade please. Please see the transaction details.", "Attachment Transaction details - GT445GLVC.pdf version 1", "Sure, let me take a look", "Lashawinda A viewed Transaction details - GT445GLVC.pdf version 1", "Great thanks, I'll leave you with the flag", "Attachment Transaction details - G245FSL.pdf version 1", and "Please see attached the final buy-in details".

Summary Table:

Identifier	State	Need by	Parties	Unread	Topic	Last Message
JKKJCC	Pending	12-Sep-19 12:59	Seller,Buyer,CSD		Unmatched instruction	Corie C marked the issue as Pending
N9Z2UN	In Progress	16-Sep-19 13:00	Buyer,Buy In Agent		Unmatched instruction - buy-in	Thank you. We will cancel our original trade
VRCH3D	In Progress		Buyer,Seller	2	Trade issue - YSH2BH	Kyla C assigned lead for Seller to Kyla C
6TG3LZ	In Progress		Buyer,Clearing House Local	4	Gilt request	I'll invite my manage into the bubble to discuss
3ARVWZ	Pending		Buyer,Seller		Unmatched Trade	Thanks - give me a couple of minutes to look this up

Buttons at the bottom: Archive, Transfer, Finish, Resume, Request, Assign, ...

In consultation with our clients
Taskize will be ready in summer 2020



Resolved

Follow Taskize on [LinkedIn](#)



Taskize at a glance

Inter-company issue management

- Queued work
- Internal or External
- You + teams' work
- Responsible person flag
- Manager intervention
- Client tiering
- Due date and Escalation
- Multi-entity / region
- Virtual data room per-issue
- DLP and private notes
- Open REST API
- SSO and auto-provisioning
- Email integration
- Reporting

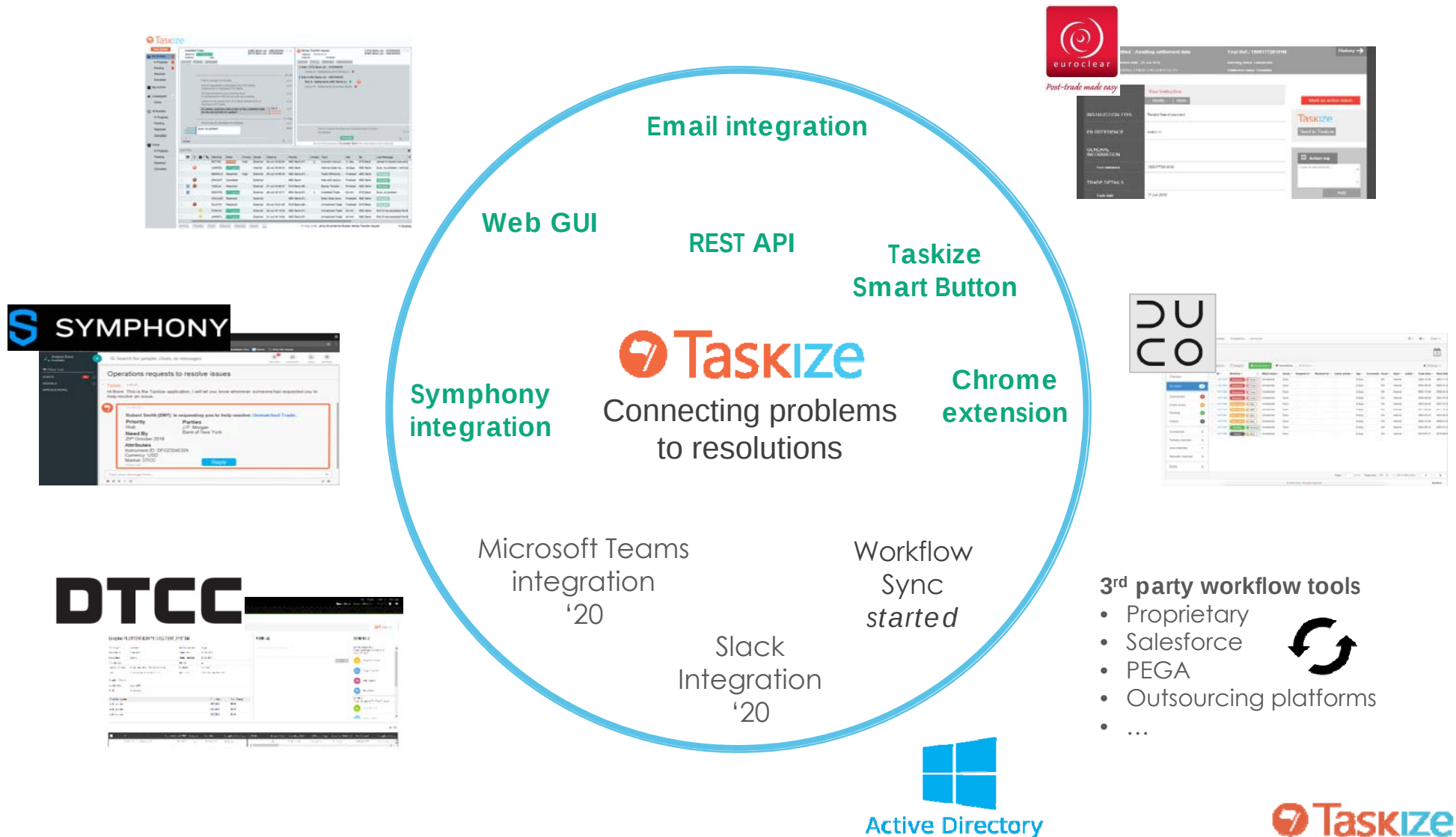
Certified to SOC 2 Type 2

99.99% uptime

The screenshot displays the Taskize interface. On the left is a sidebar with filters for 'My Bubbles' (In Progress, Pending, Resolved, Cancelled), 'My Archive', 'Unassigned' (China), 'All Bubbles' (In Progress, Pending, Resolved, Cancelled), and 'China' (In Progress, Pending, Resolved, Cancelled). The main area shows two detailed issue bubbles. The first bubble, titled 'Unsettled Trade' (MD3YP2), is 'In Progress' and involves 'ABC Bank Ltd.' and 'XYZ Bank Ltd.'. It contains a timeline of messages from Rob S and James N. The second bubble, titled 'Money Transfer request' (Y2ZCJ3), is 'Resolved' and involves 'XYZ Bank Ltd.' and 'ABC Bank Ltd.'. Below these is a table of all issues with columns for Identifier, State, Priority, Scope, Need by, Parties, Unread, Topic, Idle, By, and Last Message.

Identifier	State	Priority	Scope	Need by	Parties	Unread	Topic	Idle	By	Last Message
60T76C	Pending	High	External	25-Jul-18 09:34	ABC Bank, XYZ Bank	2	Incorrect instruct...	>1 day	XYZ Bank	James N viewed instruction
U29PDD	In Progress		Internal	29-Jul-18 09:43	ABC Bank		Internal trade ma...	>6 days	ABC Bank	Sure, no problem, I will look
MMNALX	Resolved	High	External	29-Jul-18 09:44	ABC Bank, XYZ Bank		Trade difference ...	Finalised	ABC Bank	Re-open
ZRUDOT	Cancelled		External		ABC Bank		Help with reconc...	Finished	ABC Bank	Re-open
Y2ZCJ3	Resolved		External	27-Jul-18 09:47	XYZ Bank, ABC Bank		Money Transfer ...	Finished	ABC Bank	Re-open
MD3YP2	In Progress		External	28-Jul-18 10:11	ABC Bank, XYZ Bank	1	Unsettled Trade	33 min	XYZ Bank	Sure, no problem
CDULGG	Resolved		External		ABC Bank, XYZ Bank		Static Data issue	Finalised	ABC Bank	Re-open
GJLPYH	Resolved		External	24-Jul-18 21:22	XYZ Bank, ABC Bank		Unmatched Trade	Finalised	XYZ Bank	Re-open
PZ3UH2	In Progress		External	26-Jul-18 19:35	ABC Bank, XYZ Bank		Unmatched Trade	23 min	ABC Bank	Rob S has escalated the B
J4WWTL	In Progress		External	31-Jul-18 14:32	ABC Bank, XYZ Bank		Unmatched Trade	40 min	ABC Bank	Rob S has escalated the B

Open architecture integrates services important to you



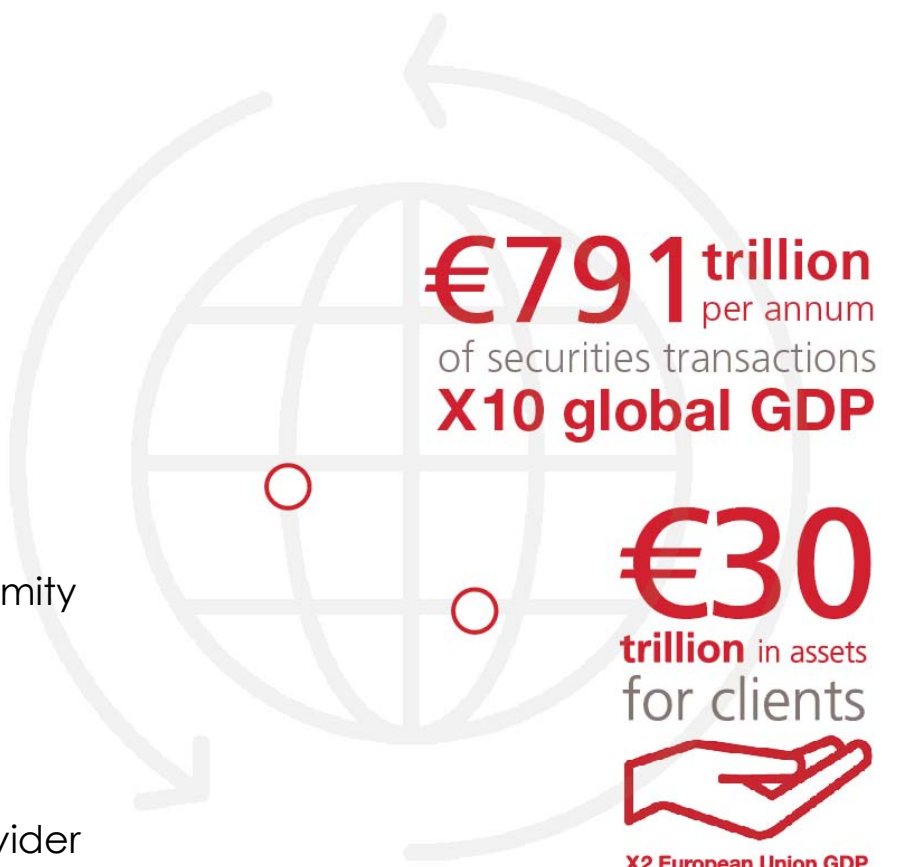


Who we are?

Euroclear group is the financial industry's trusted provider of post trade services.

Our expertise:

- domestic and cross border connectivity
- fast, efficient and low risk acceptance, issuance and distribution of securities
- ability to provide unrivalled market proximity to local users
- focus on client and investor safety
- position as the preferred settlement provider for the Euronext markets



€791 trillion per annum
of securities transactions
X10 global GDP

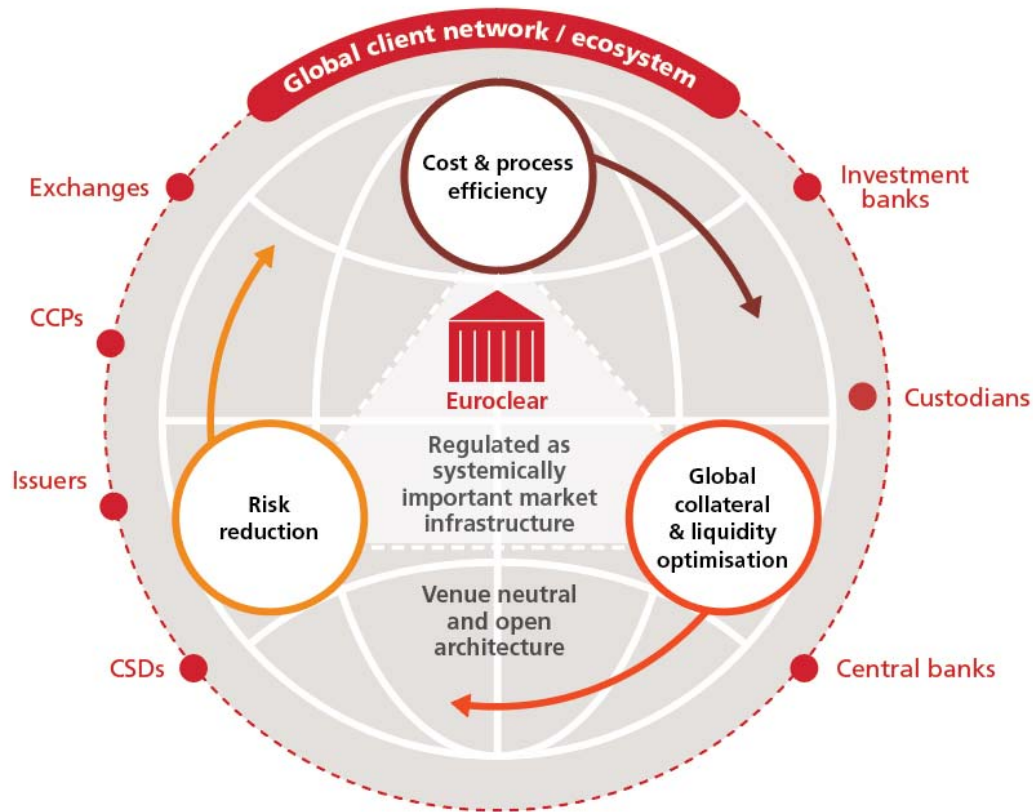
€30 trillion in assets
for clients



X2 European Union GDP



Protecting your assets



1 ICSD / **6** CSD

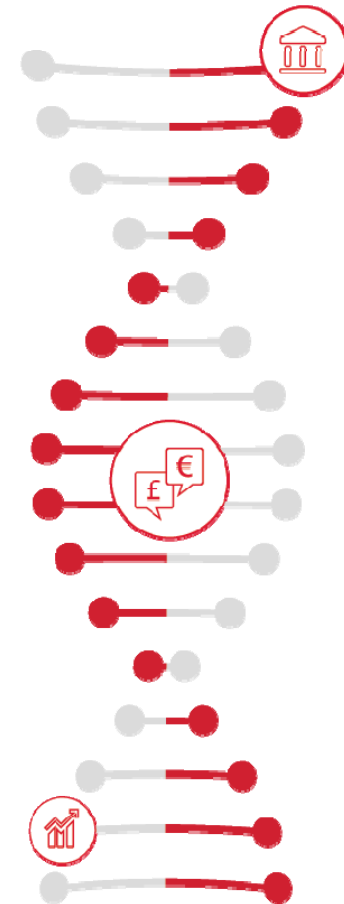




Why work with us?

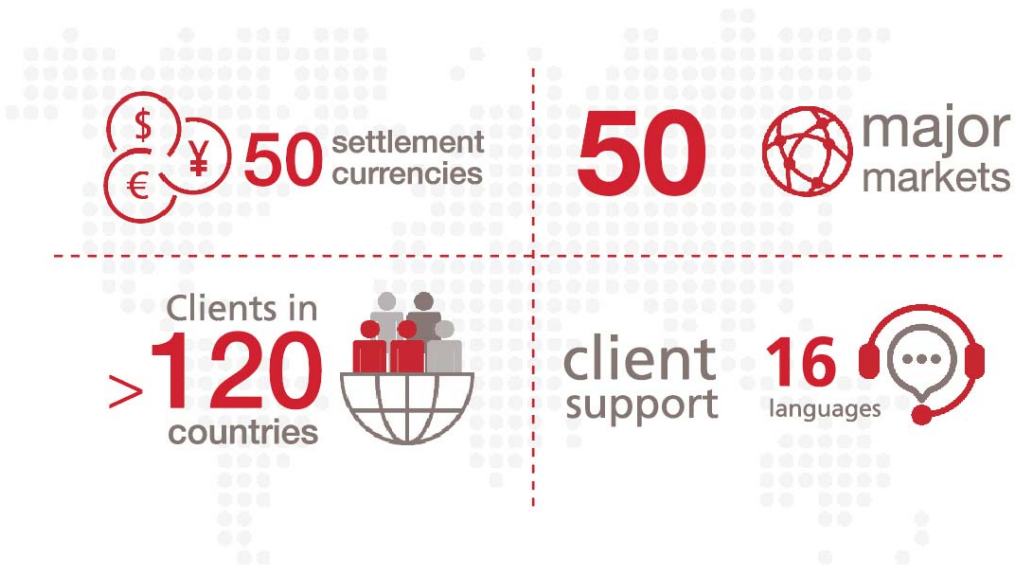
A systemically important Financial Market Infrastructure

- We advocate an open marketplace
- We invest to support market stability
- We are focused on delivering solutions that reduce risk
- We encourage a high performing corporate culture
- We contribute to the safety efficiency of the financial markets
- We connect issuers and investors around the world
- We operate with a highly regulated framework
- We have robust risk management structure and a strong capital position
- We are highly rated by global rating agencies.
- We continue to invest in the future of our industry and our people





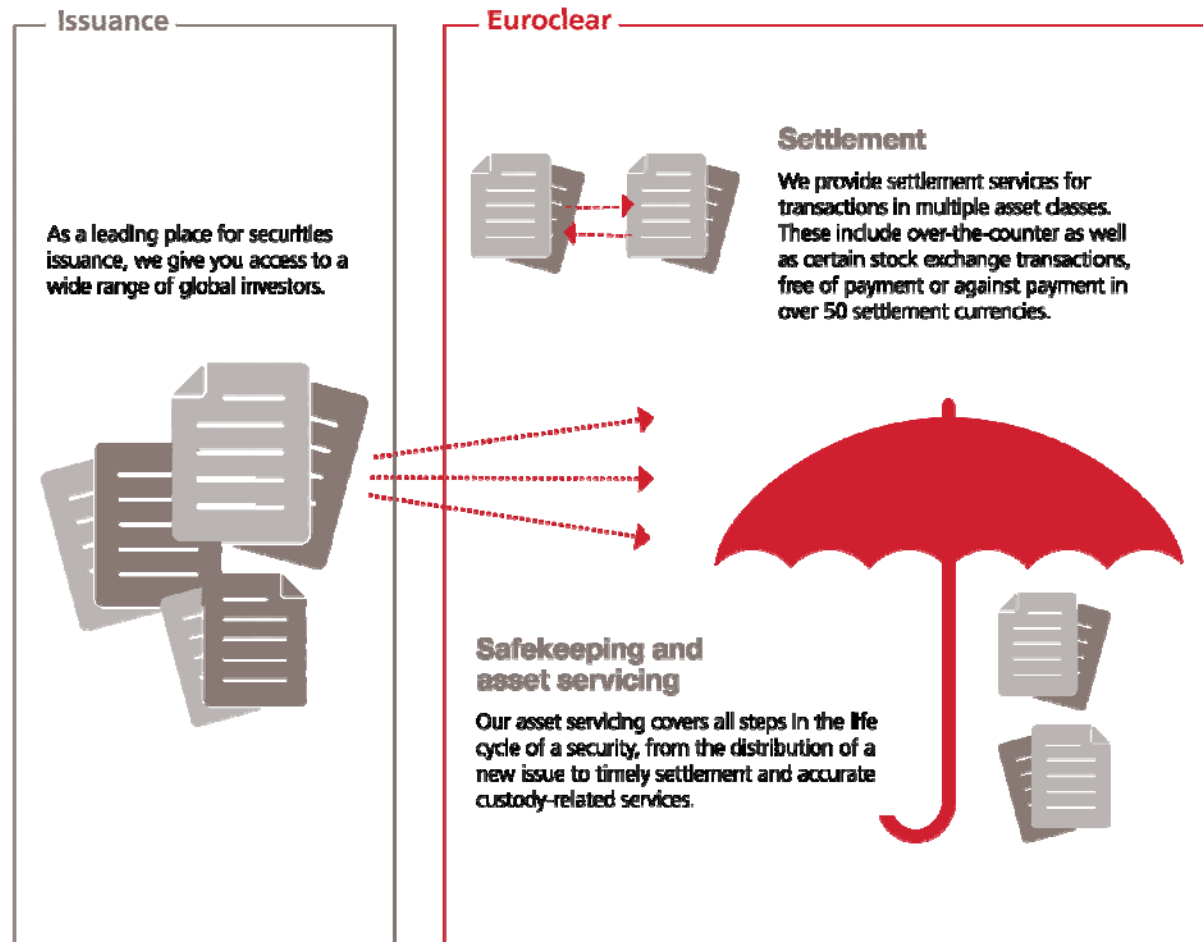
The **trusted** global partner for the financial industry





Expand your core network with us 1/2

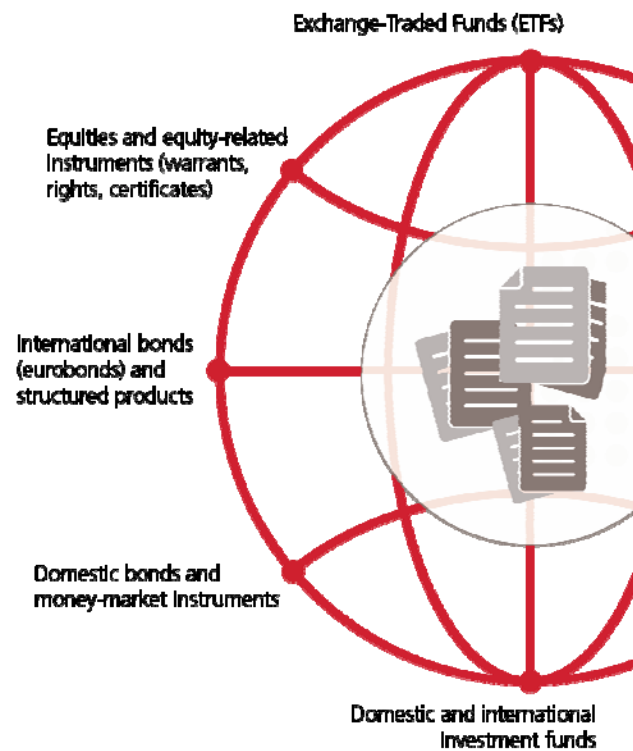
Settlement and safekeeping of securities





Expand your core network with us 2/2

Multiple asset classes



Initiatives

T2S made easy

We offer flexible access to all markets that will settle through TARGET2-Securities (T2S). It is the European securities settlement engine which aims to offer centralised delivery-versus-payment (DvP) settlement in central bank funds across all European securities markets.

Single CSD

Our single CSD platform provides access to the ECB's TARGET2-Securities (T2S) ecosystem.

Euroclear FundsPlace

Our FundSettle International service supports both the buy- and sell sides of fund distribution, providing automated order routing, settlement and asset servicing.

€2 trillion
funds under custody

145,000
investment funds
processed by Euroclear

11 million
funds orders
routed annually

>1200
fund administrators



Growing your business 1/2

Euroclearability delivers real world, proven benefits

\$3.8 billion

Potential GDP boost to real economies for 6 recently Eurocleared countries over 10 years



=

+1.0%

in the annual healthcare budget



or

+1.2%

increase in the annual education budget



(Source: white paper "Impact of Euroclearability" by PwC, 2019)



Growing your business

The Collateral Highway

Mobilise your collateral from where you keep it to where your counterparts take it, across borders, providers and time zones using our neutral and global, open-architecture infrastructure for collateral management.



Make your
assets work
24/7
around the
globe

A red line-art icon of a globe, showing latitude and longitude lines. A curved arrow points from the top of the globe down to the bottom, indicating a 24/7 cycle.



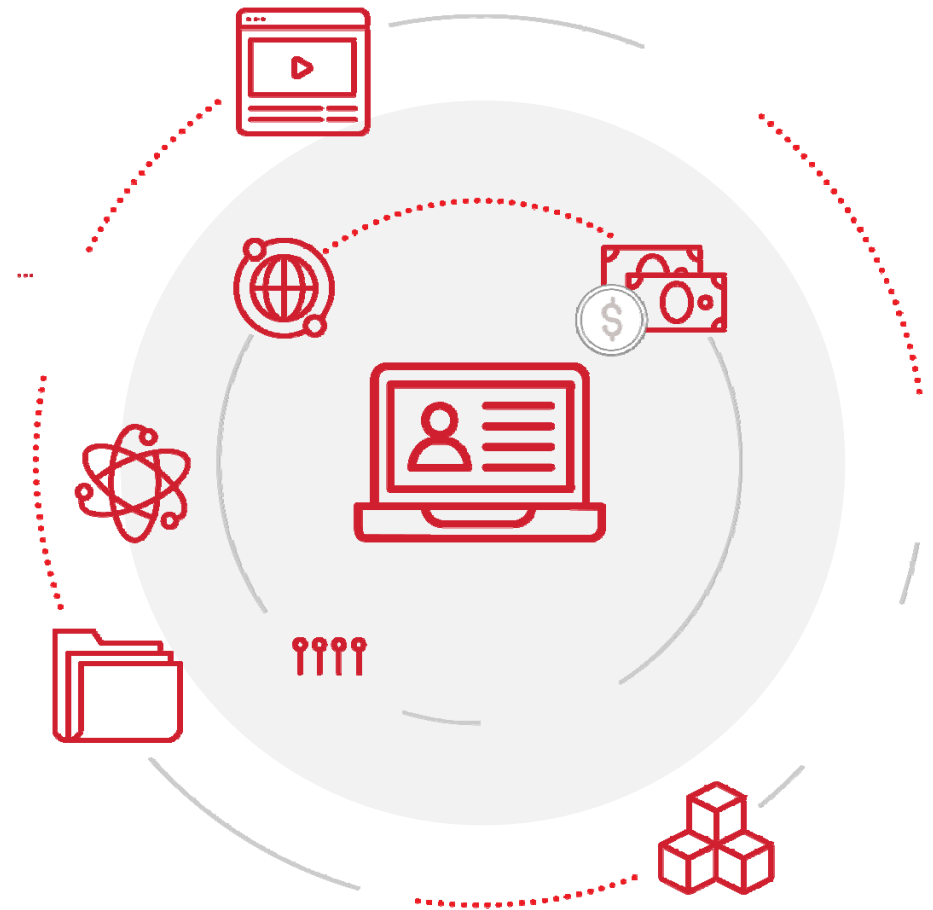
Innovative tools to make your processes safer and more efficient

EasyWay

A web-based interface that offers clients a clear overview of their activity with accurate, real-time data.

MyEuroclear

A website offering all service information, news and handy apps to help you with your day-to-day business with us.





Innovative ideas

Taskize

A web-based networking platform proven to increase operational productivity and control by enabling clients, colleagues, and counterparties to securely resolve queries efficiently across firms.

LiquidShare

A dynamic and innovative company improving SME's access to capital markets through blockchain.

Data solutions

Euroclear Information Solutions (EIS) leverages data to support you and bring greater efficiency to the functioning of our capital markets.





Corporate Responsibility

Our Corporate Responsibility (CR) mission is to conduct business in an ethical, responsible and sustainable way, while giving back to the wider community where possible. As a Financial Markets Infrastructure (FMI), we are committed to the stability and smooth running of the financial markets.

