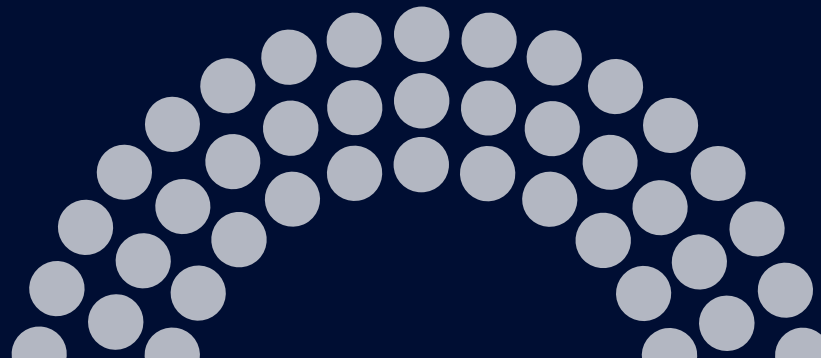
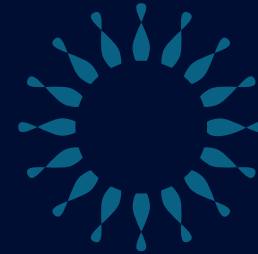


Developing Next Generation Financial Ecosystems

Wee Kee, Toh
Global Head of Business Architecture for Coin Systems
Onyx by J.P. Morgan





>2 years

JPM Coin System has been live

10%

Liquidity cost savings reported by a client

>\$322 billion

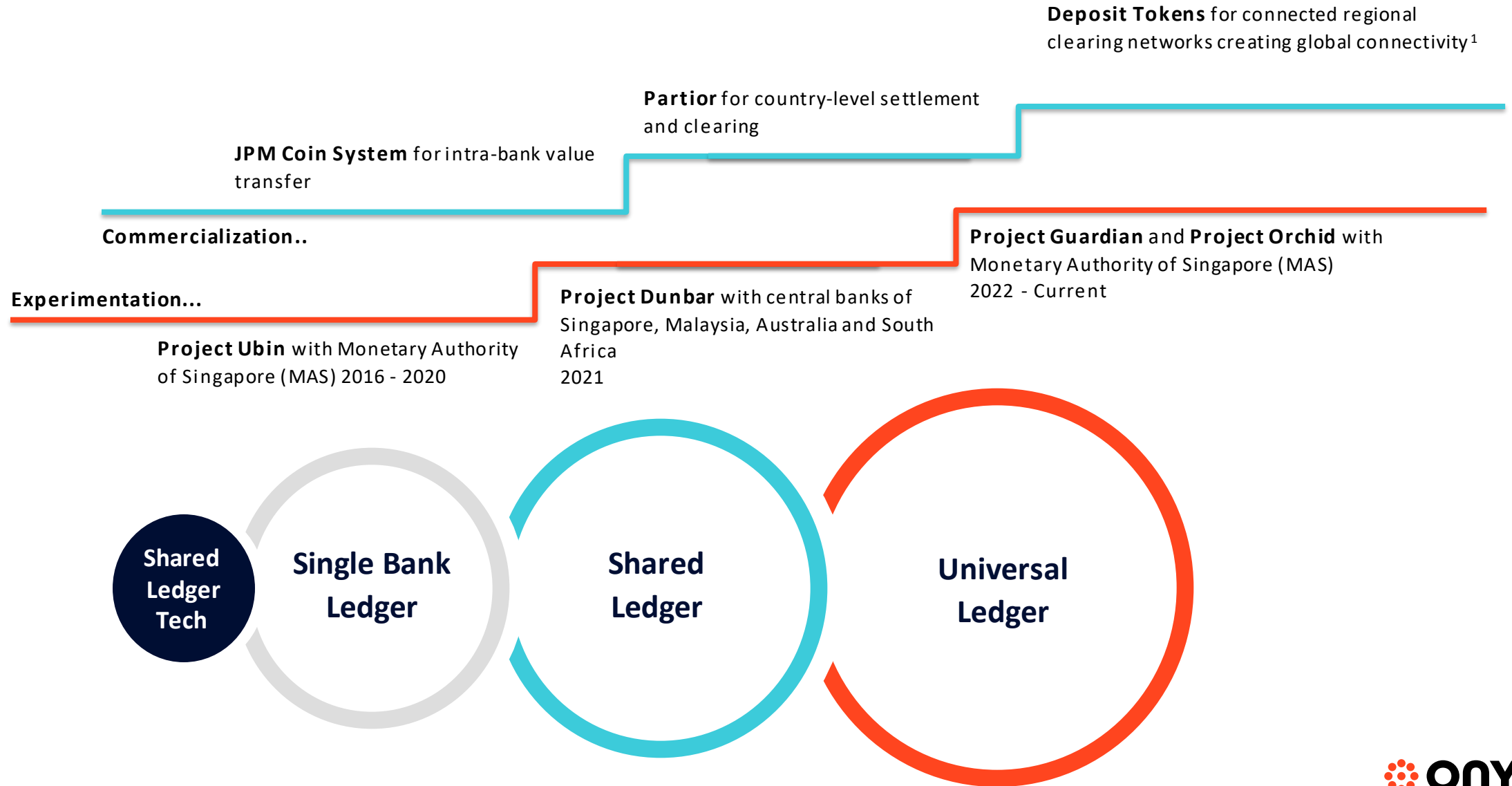
Payment value processed between Jan – Dec 2022

<120 seconds

Expected settlement time for STP transactions on the system
(New York– Singapore)



Driving the Evolution of Digital Currencies



¹ Deposit Tokens is not a live product. Offering as a live product is subject to JPMorgan obtaining all required internal approvals and regulatory approvals and completing legal, compliance, risk and other due diligence



Coin System Solutions



24/7 Real-Time Transfers¹

Move funds on banking holidays, fund shortfalls, working capital gaps and other ad hoc transfers



Avoid prefunding



Cross Border Transfers

Optimise your liquidity across different locations and enable new payment models, such as machine-to-machine payments, pay-per-use models and delivery-vs-payment (DvP) models²



Unlock working capital globally, cost efficiencies & enable new business models

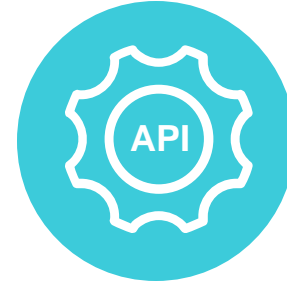


Programmable Payments

Automate payments dynamically based on pre-determined conditions and build customised, cross-border and multi-party payment flows seamlessly



Automate complex transactions and react dynamically to events



API/UI Connectivity

Connect via API/User Interface/SWIFT² and embed banking capabilities directly into business processes



Increase speed and velocity of transactions across borders with certainty



Real-time Visibility

View transactions and balances in real-time and transaction data is aligned with ISO20022 messaging standards






Ensure transparency and finality of payments

¹ Transfers on the system are completed on a 24/7/365 and on a same day basis. Moving funds between systems – i.e., to and from JPM Coin System and traditional demand deposit accounts (DDAs) on legacy systems has a three hours downtime over the weekend (3-6 PM EST every Saturday, enhancement under development)


² Potential capabilities are currently in development and not a live product offering. These capabilities are subject to change and dependent upon completion of development, internal review and regulatory approval.





Real-time funds movement, across the world on next-generation payment rails

-  Avoid prefunding
-  Unlock working capital globally, cost efficiencies & enable new business models
-  Automate complex transactions and react dynamically to events
-  Increases speed and velocity of transactions across borders with certainty
-  Ensure transparency and finality of payments



 **8 Funding Locations**
 US, UK, IRE, NL, LUX, DE, SG, HK with AU, JP, CAN on the roadmap for H1 2024²

 **USD & EUR³ Support**
 GBP, SGD, HKD & AUD on the roadmap for 2023²

 **Programmable Payments**
 Automated account funding and conditional payments across global accounts

Legend: ● Live | ● Planned for H1 2024²

¹ Transfers on the system are completed on a 24/7/365 and on a same day basis. Moving funds between systems – i.e., to and from JPM Coin System and traditional DDA on legacy systems has a three hours downtime over the weekend (3-6 PM EST every Saturday, enhancement under development)
² Potential capabilities are currently in development and not a live product offering. These capabilities are subject to change and dependent upon completion of development, internal review and regulatory approval.
³ EUR is available for the Frankfurt-Singapore cross-border corridor, more corridors under development





Partior¹ – Blockchain-based multi-bank clearing and settlement infrastructure



Partior is a J.P. Morgan joint venture with Temasek, DBS and Standard Chartered.

Next-gen Market Infrastructure

Provides 24/7, multi-currency real time gross settlement (RTGS) capabilities leveraging the existing tier liability structure

Programmable Payments²

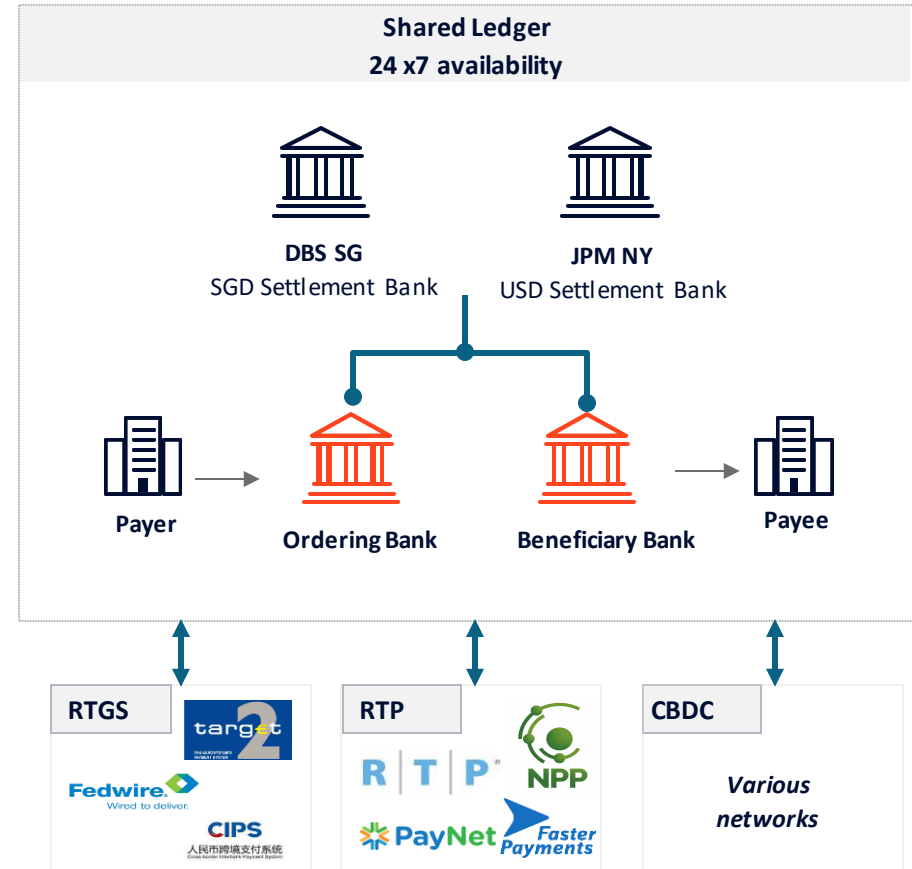
Enables next-generation, programmable value transfer through a common and open platform for participating banks and their customers in real-time

Global Interoperability

Designed to provide global connectivity across domestic Real-time Payments (RTP), RTGS and Central Bank Digital Currencies (CBDC) networks

Future-Ready

Infrastructure is ready to support Central Banks to issue CBDC to participating FIs on the platform



¹ Offering as a live product is subject to completion of development and internal review, as well as obtaining any regulatory approval which may be required. Sample screens shown are not representative of the final product.

² Programmable Payments is not yet enabled for Partior. Offering as a live product is subject to completion of development and internal review, as well as obtaining any regulatory approval which may be required. Sample screens shown are not representative of the final product.

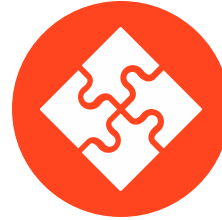


Building the foundations for the future of money with Onyx



Programmability

Automate complex tasks and unlock efficiencies



Composability

Combine different services to execute complex applications



Multi-Asset Wallets

Bank accounts will give way to bank-agnostic wallets containing digital assets and tokens, but commercial money will remain dominant



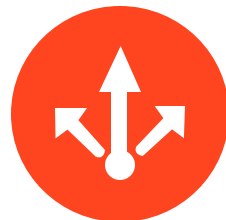
Atomic Settlements

Ability to simultaneously exchange of two linked assets in real-time (actual movement of assets as opposed to messages)



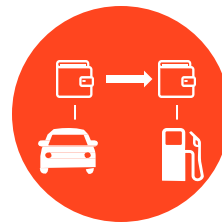
Tokenization of Real-World Assets & Financial Instruments

Enabling simultaneous delivery of assets and payment can be achieved (delivery-vs-payments) with tokenization & fractionalization



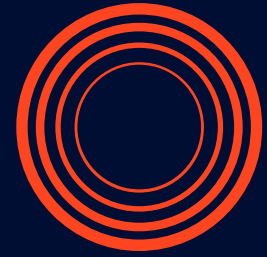
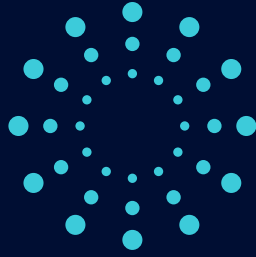
Unprecedented Access to Financial Services

Open loop networks will enable more innovation with wallets providing access to a wide variety of services



Native Integration of Products and Money

Money will be embedded into products with machines and devices having wallets creating capabilities for machine-to-machine payments, pay-per-use, etc.



Thank You

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