

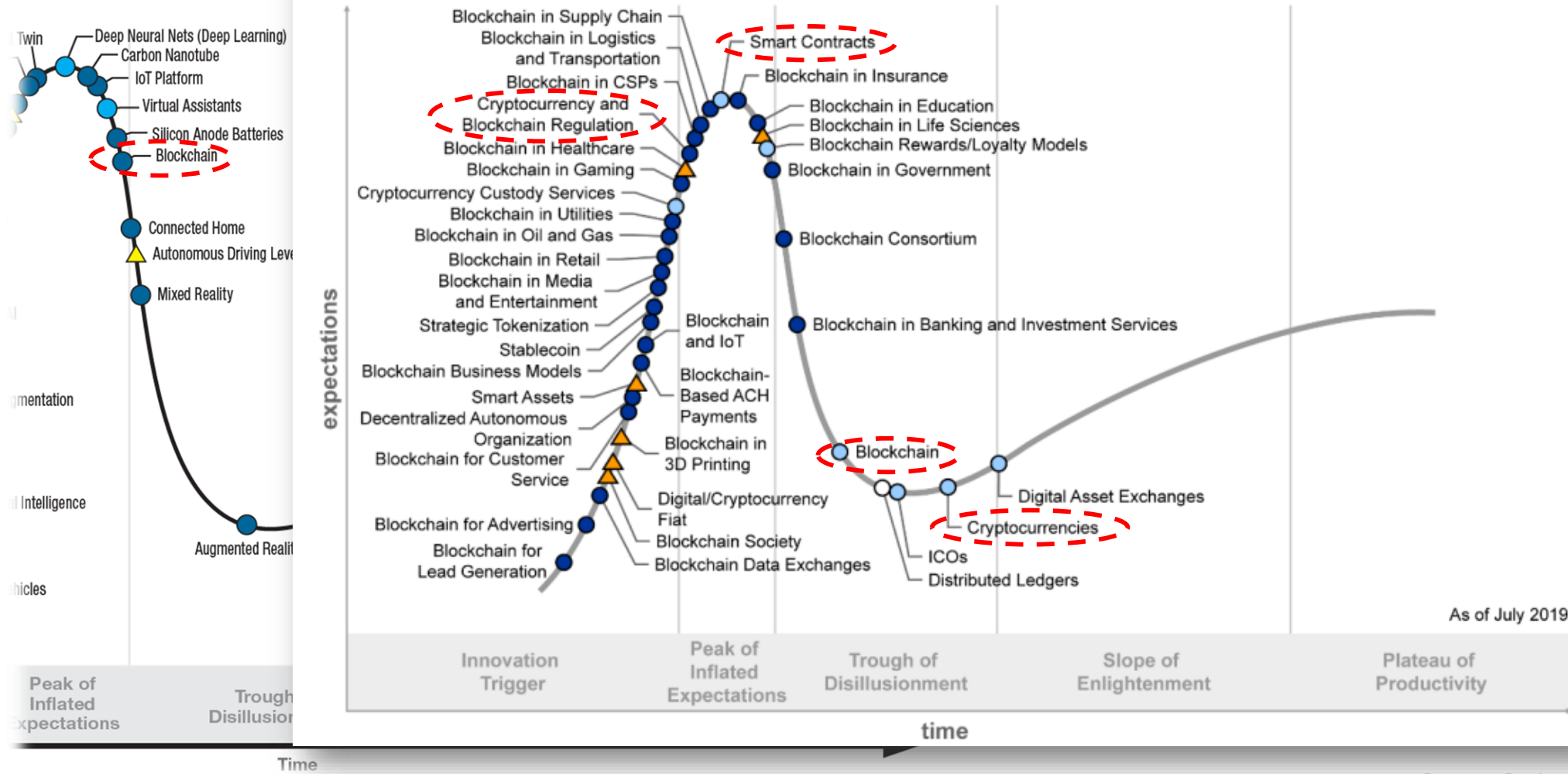
Blockchain, SAP & The Token Economy

SBN SAP User Conference
Oslo, 23. October 2019

Magnus Jones | magnus.jones@no.ey.com

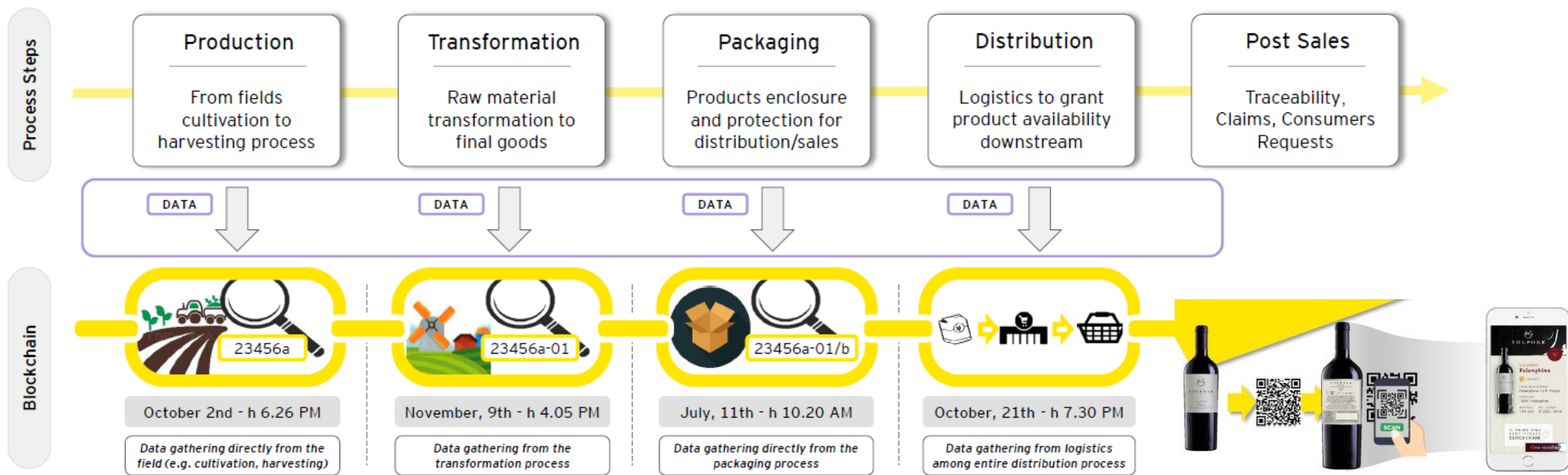
Hype?

Figure 1. Hype Cycle for Blockchain Business, 2019



EY Project Blockchain in your wine cellar?

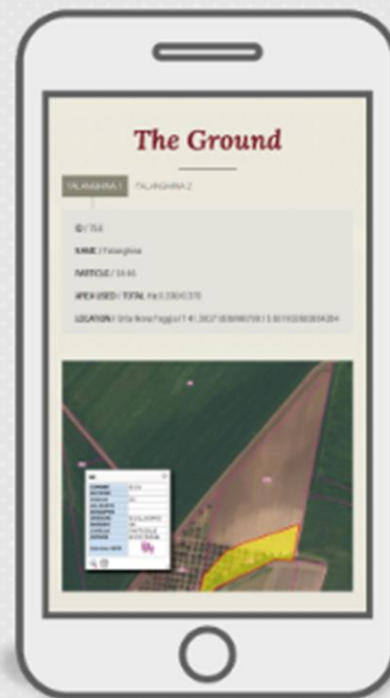
A plenty of informations can be gathered and continuously tracked from each production step along the entire supply chain, with the goal to deliver **certificated products data** among their origin and quality. Once done, **certification** and **publication** will take place though data storcization on **Blockchain**, leveraging on digital blocks



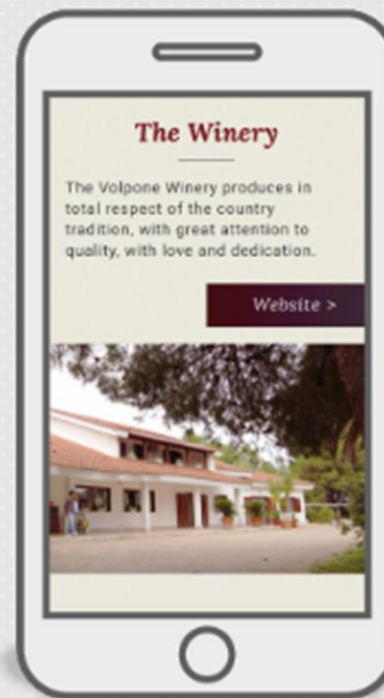
EY Project Blockchain in your wine cellar?



Product



Territory



Company

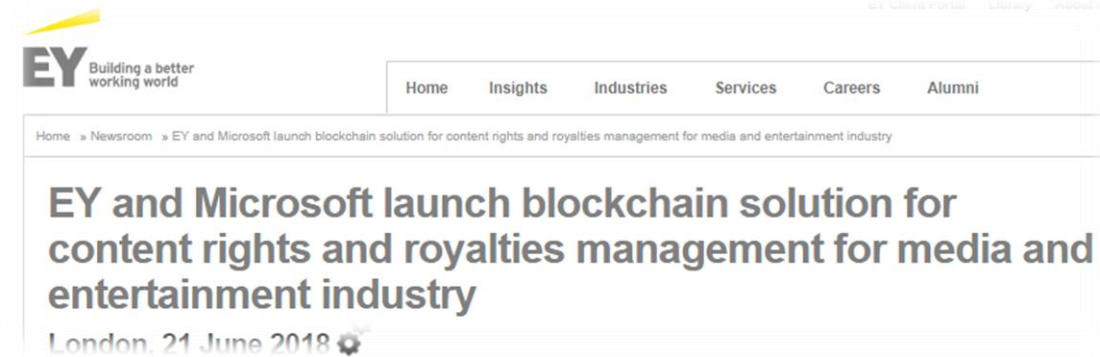


Wine

Token economy



Royalty



Royalties statement availability 45 Days ➡ ~4 Sec

 Statement recon and approval time ~20 Mins ➡ ~5 Mins

 Accounting accruals Monthly ➡ Daily

 Integration with Manual ➡ Integrated



Two platforms **EY OpsChain**

EY OpsChain

1

Business applications:

- ▶ EY OpsChain **Supply Chain & Procurement**
- ▶ EY OpsChain **Traceability**
- ▶ EY OpsChain **Intercompany**
- ▶ EY OpsChain **Contract Manager**
- ▶ EY OpsChain **Asset Manager**
- ▶ EY OpsChain **Publ. Fin. Manager**
- ▶ EY OpsChain **Tax Engine**

Help organizations do business on private and public blockchains

Business appl.:

- ▶ Insurwave (joint v.)



EY Professional Services

Help organizations get the most out of blockchain technology

- ▶ Business transformation and strategy
- ▶ Tax & Legal services
- ▶ Assurance services and financial statement audits
- ▶ Attestation services
- ▶ System implementation and integration for blockchain applications

EY Blockchain Analyzer

2

Help organizations get insights into what happened on the blockchain

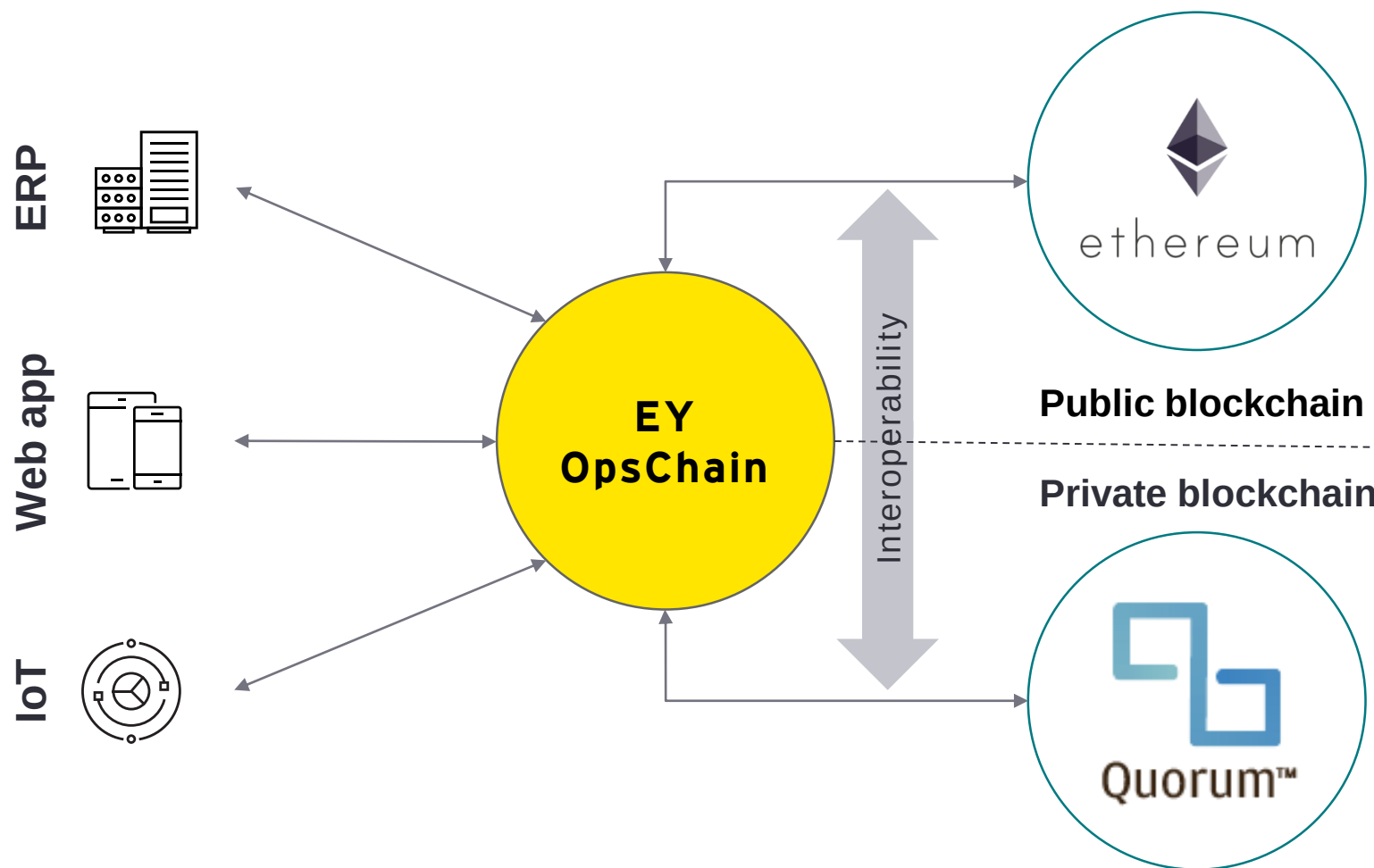


Business applications:

- ▶ EY Blockchain Analyzer for **Private** Networks
- ▶ EY Blockchain Analyzer for **Public** Networks

Hybrid architecture to facilitate interoperability

EY OpsChain

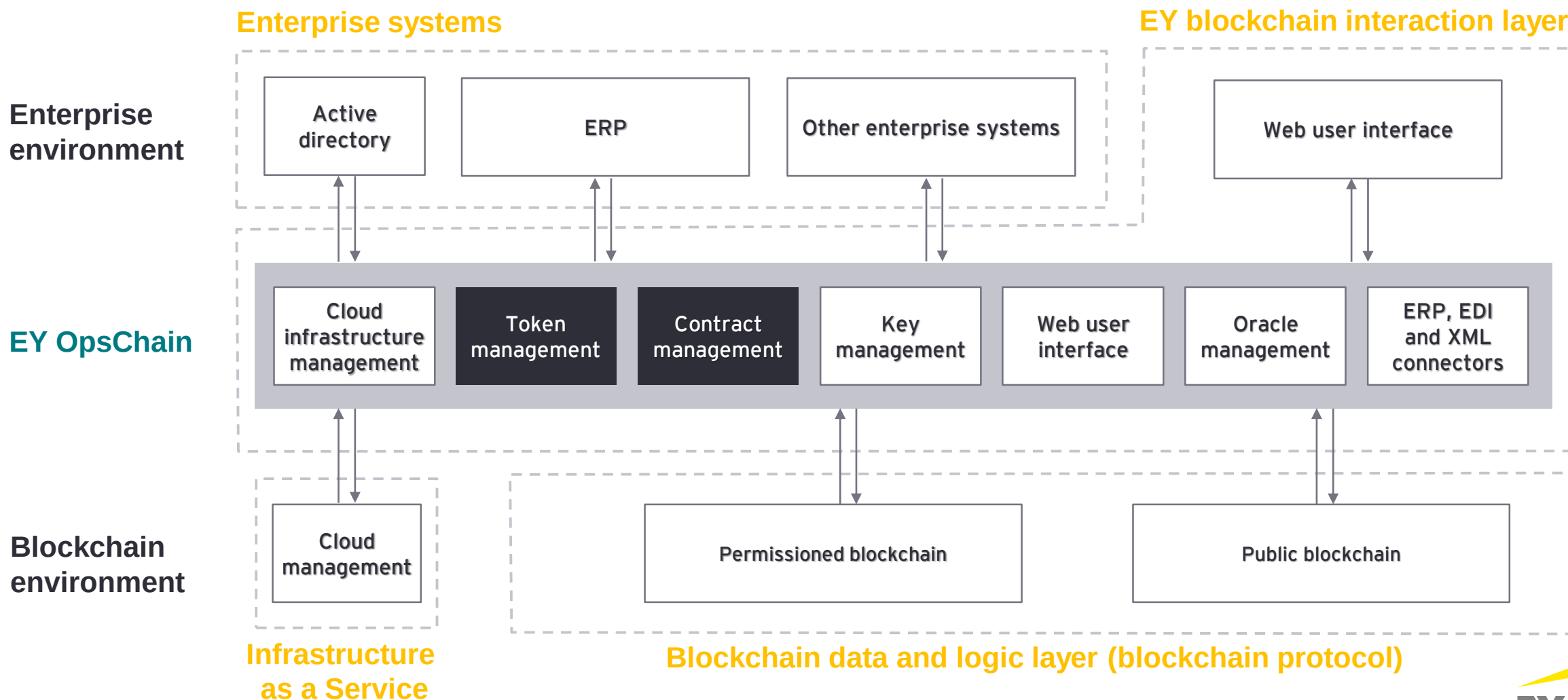


By bridging the gap between **public** and **private** networks, a **hybrid architecture** enables:

- ▶ **Better scalability** via the private blockchain
- ▶ **Interoperability** between public and private networks
- ▶ A **smooth transition** from private to public blockchain as the technology evolves

Integrates with existing enterprise systems

EY OpsChain



ERP system challenges?

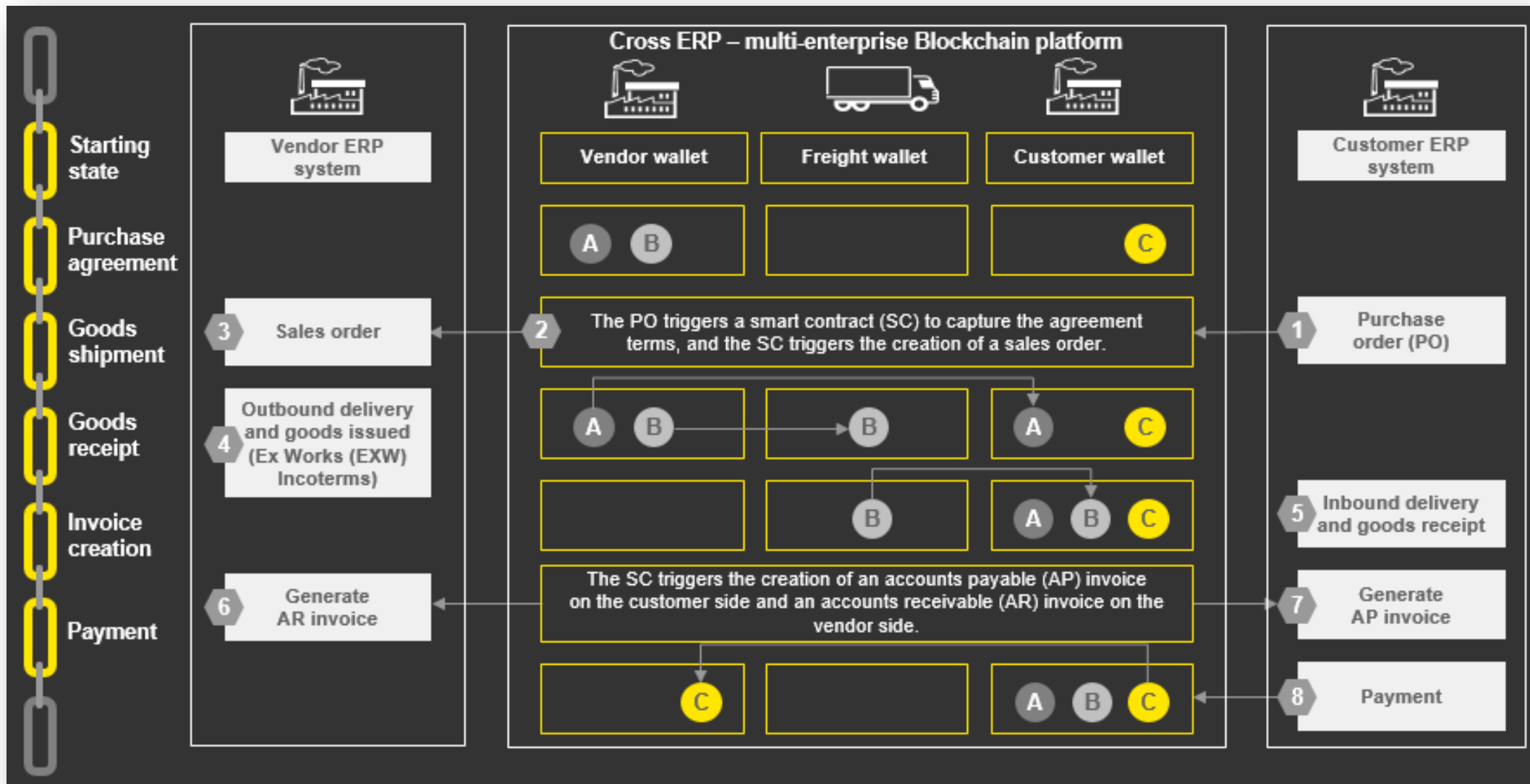


- Limited transparency forecast planning
- Exchange of documents and unstructured data
- Transaction reconciliation
- Data misalignment exceptions
- Follow up on due payments and rebates
- Manual dispute resolution

EY OpsChain Intercompany

Tokens

- A Product – ownership
- B Physical location
- C Virtual currency (Tokenized fiat)





Is the future of shipping in ships & ports, or **chips & blocks?**



The better the question. The better the answer.
The better the world works.



EY

Building a better
working world

Freight of the future?



Central Bank Digital Currencies?

Swedish cryptocurrency could be coming soon, but cash is still needed: Riksbank boss

The Local
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@thelocalsweden

13 March 2018
11:47 CET+01:00

e-krona
cryptocurrency
riksbanken
housing crisis
stefan ingves

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Riksbank governor Stefan Ingves. Photo: Jessica Gow/TT

The launch of an e-krona could be only a few years away, but all banks expected to handle cash, according to the governor of Sweden's central bank.

In a wide-ranging new interview with newspaper *Sydsvenskan*, Ingves touched on the housing crisis, the trend of cafes and shops in the country refusing to take cash payments, and the feasibility of a national cryptocurrency, the e-krona.

"350 years ago we replaced large copper coins with notes. Notes could now be replaced with electronic notes and coins," the Riksbank governor told *Sydsvenskan*.

The Riksbank could in principle release an electronic hundred kronor note, he said.

S V E R I G E S R I K S B A N K

Riksbankens e-kronaprojekt

Rapport 2

Oktober 2018

NORGES BANK MEMO

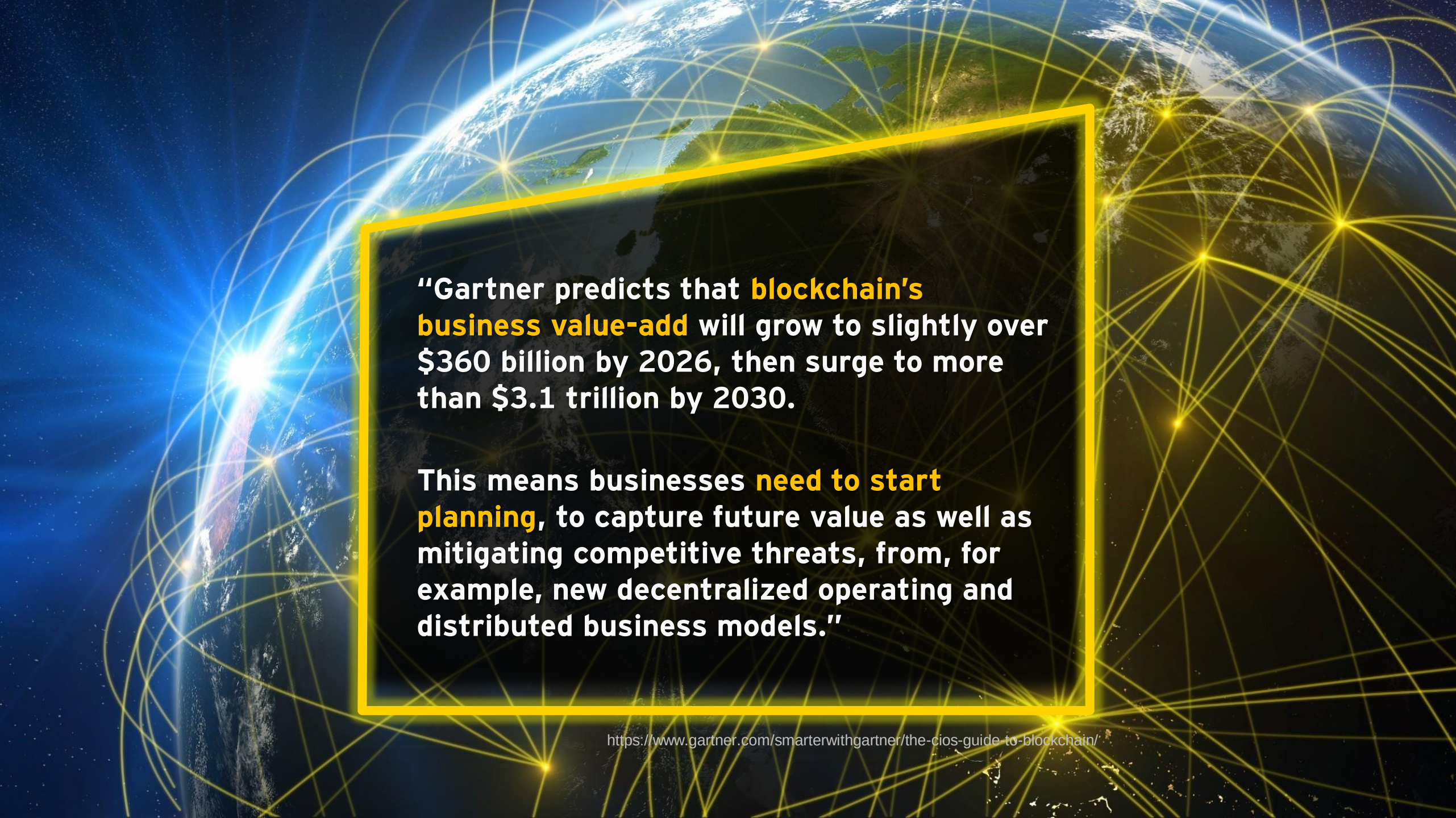
Digitale sentralbankpenger

NORGES BANK MEMO

Digitale sentralbankpenger
2. RAPPORT FRA ARBEIDSGRUPPEN

NR 2 | 2019

Invitation to apply to participate in
Sveriges Riksbank's procurement of
technology suppliers for the e-krona pilot
Dnr 2019-00571



"Gartner predicts that **blockchain's business value-add will grow to slightly over \$360 billion by 2026, then surge to more than \$3.1 trillion by 2030.**

This means businesses **need to start planning, to capture future value as well as mitigating competitive threats, from, for example, new decentralized operating and distributed business models."**

EY Blockchain

200+

Dedicated Blockchain
Professionals and
developers



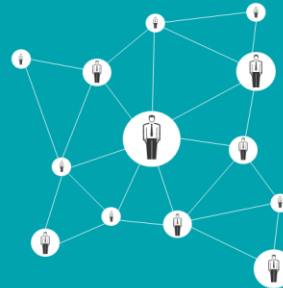
800+

Blockchain-trained
professionals
40+ in the Nordics



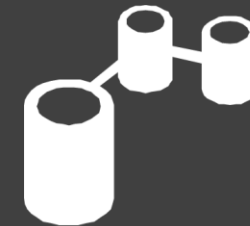
14

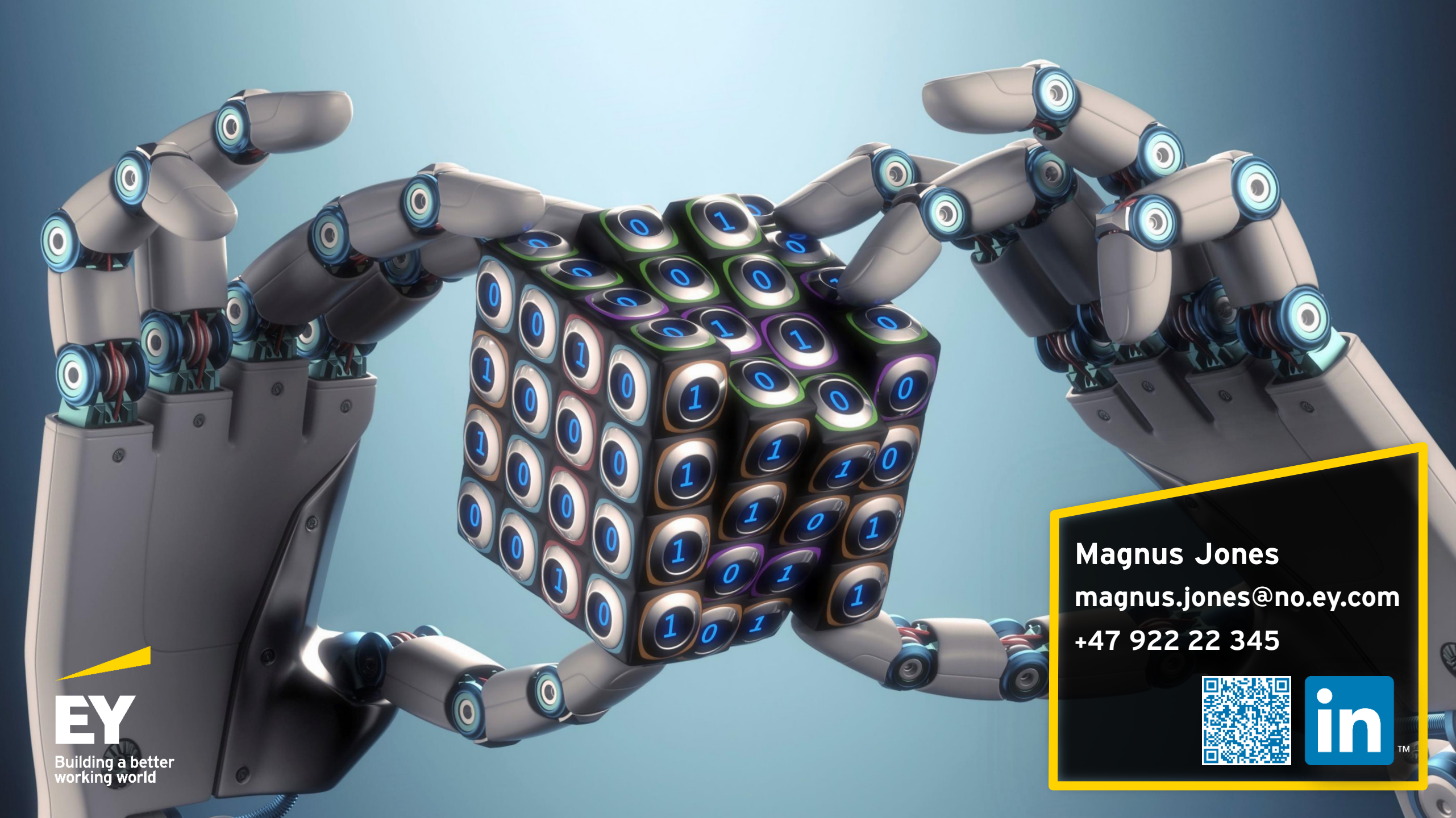
Global hubs



8

Software Platforms





EY

Building a better
working world

Magnus Jones
magnus.jones@no.ey.com
+47 922 22 345

