

HALAL BLOCKCHAIN

Presented by:

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BLOCKCHAIN?

- ✓ As for logistics, data sharing across the supply chain could enable
- ✓ higher levels of transparency,
- ✓ empowering consumers to make better choices about the products they buy

HALAL SUPPLY CHAIN?

- To avoid doubt
- Lack of control of food norm
- Muslim consumer sensitivity towards Halal
- Transparency

CHALLENGE & PROBLEMS

(1)traceability

(2)transportation and warehousing - accordance with *halal*

***Halal* blockchains have the potential to solve all of the above *halal* industry problems!**

country

Figure 18 Blockchain can be used to ensure product integrity; Source: DHL

(5)integration of information technology systems – cross country

(6)Gaining industry adoption

HALAL BLOCKCHAIN, PRESENTED BY MOHD NIZAM SIDIK, JPL

WHY BLOCKCHAIN?

- ❑ Combination of the distributed ledger technology with smart contracts, contracts between supply chain partners that ensure *halal* compliance in each link in the *halal* supply chain, has the potential to create high performance *halal* supply chain networks
- ❑ The *halal* blockchain has complete information about the addresses and their supply chain path right from source to the point of consumer purchase. As the *halal* blockchain database is shared by all nodes participating in a *halal* supply chain network, information is easily verified by just scanning the QR-code (a two dimensional barcode) on a product.
- ❑ *Halal* production certificate requirements, *halal* storage-transportation- terminal handling terms, coding of *halal* on freight documents, and many more. In a blockchain you can easily identify the parties that committed fraud, as this remains visible
- ❑ Able to avoid industry to commit fraud in *halal* supply chains.

WHO BENEFITED FROM THE HALAL BLOCKCHAIN?

- I. Manufacturer
- II. Retailer
- III. Brands owner
- IV. Consumer
- V. Logistics service provider
- VI. Distributors
- VII. Halal certification bodies

CONVENTIONAL SUPPLY CHAIN FLOW

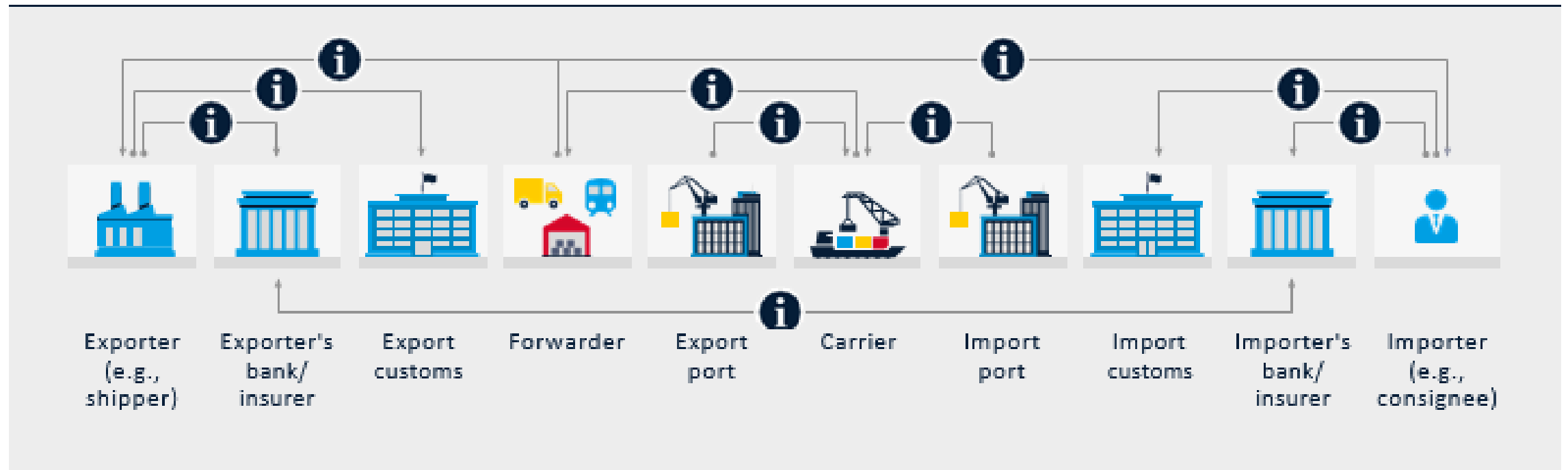


Figure 14: The information flow in international trade is complex, involves many parties, and is documentation heavy; Source: Accenture

BLOCKCHAIN FLOW

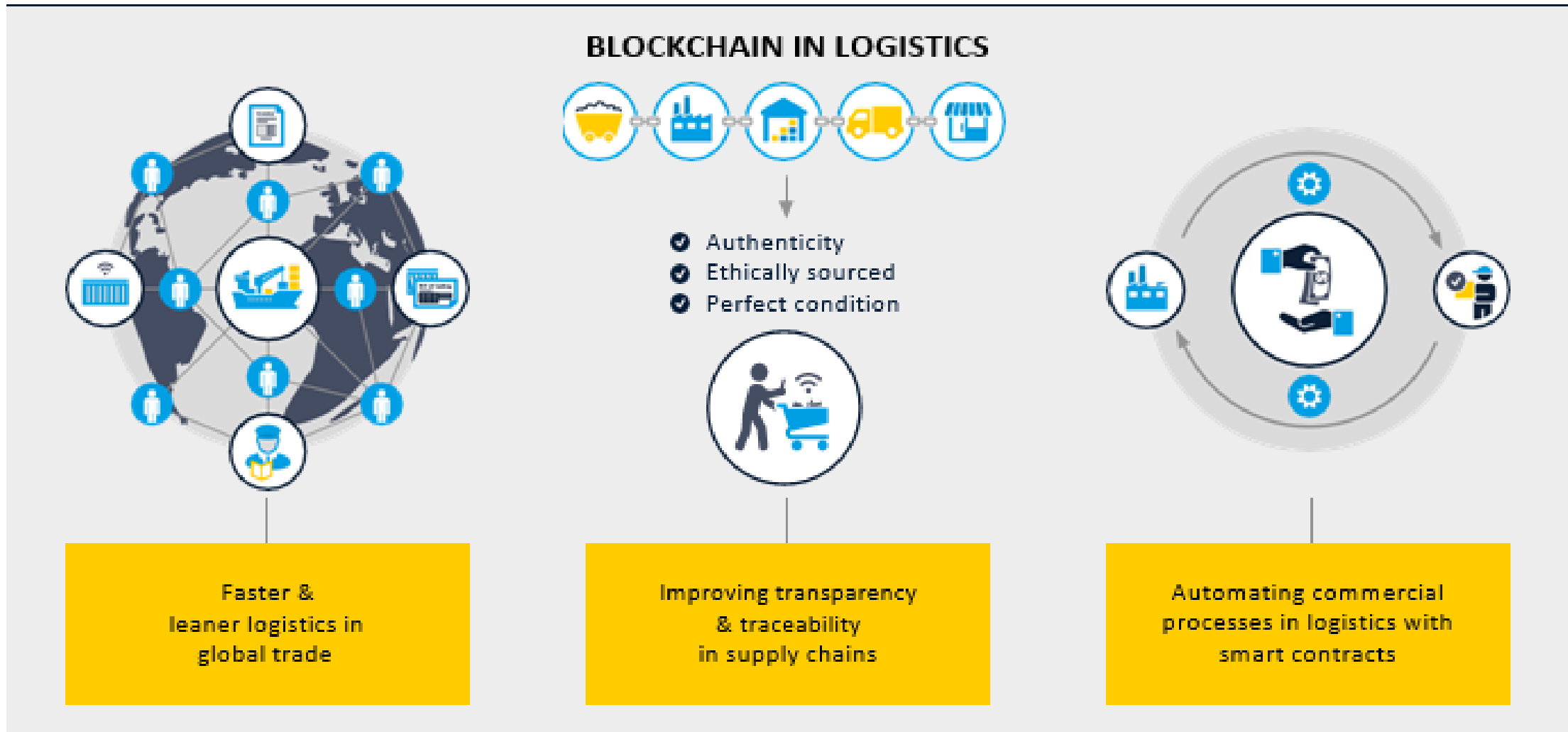
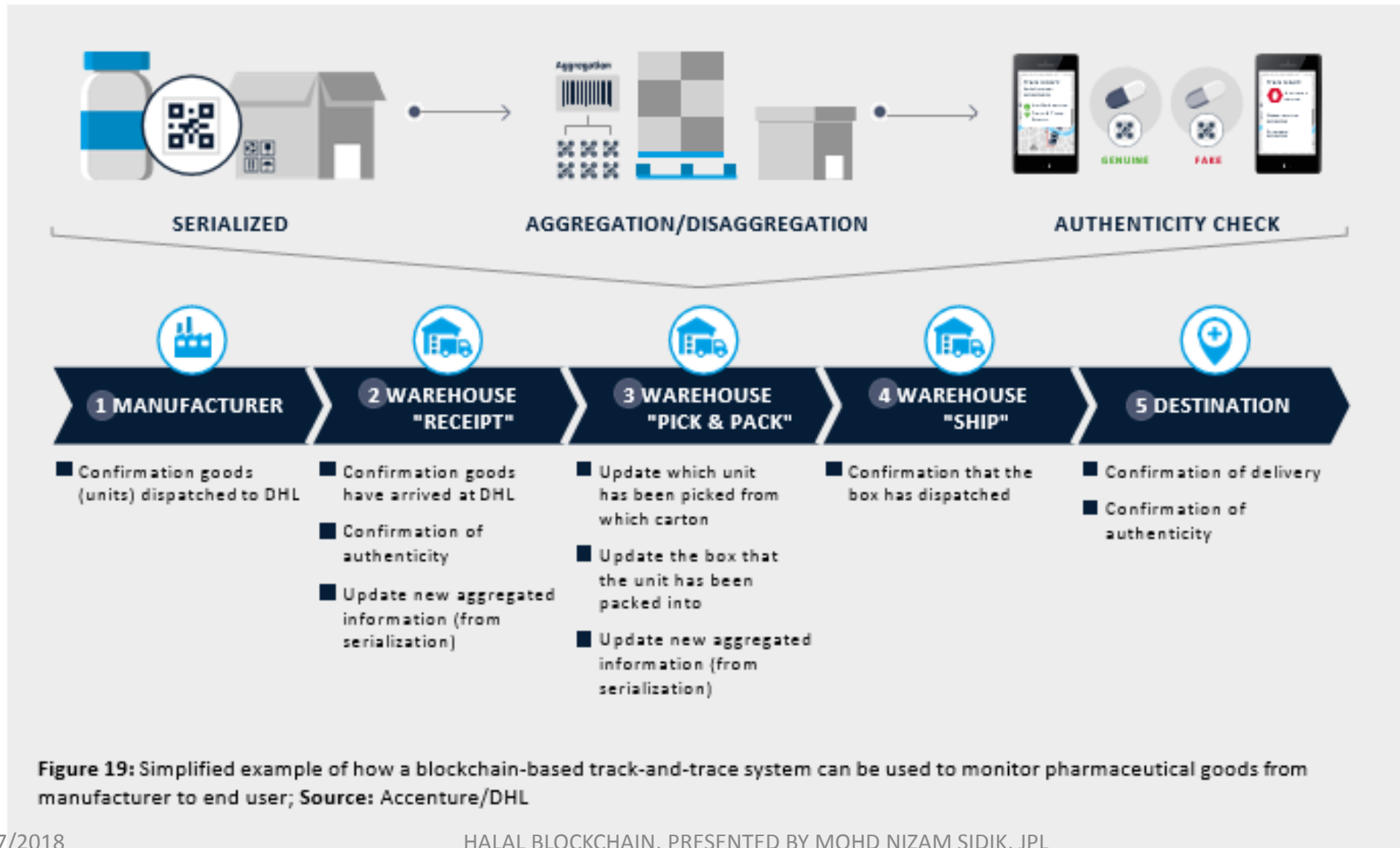


Figure 15: Key blockchain use cases in logistics; Source: DHL

eg: BLOCKCHAIN FLOW



Blockchain Powered Halal Chain Launched in Dubai and Indonesia

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Blockchain Powered Halal Chain Launched in Dubai will Revolutionize Halal Products' Compliance



Dubai – May 15th, 2018 – HalalChain, a blockchain based platform specialized in the traceability of halal industry products, was launched at a demo event at the Dubai Airport Freezone (DAFZA) on May 14,

ab By Staff writer

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NOTES & REFERENCE

1. Leveraging Blockchain Technology for *Halal* Supply Chains, Marco Tieman and Mohd Ridzuan Darun, Universiti Malaysia Pahang, Malaysia.
2. Perspectives on the upcoming impact of blockchain technology and use cases for the logistics industry, DHL Trend Research

THANK YOU