

Introduction to Blockchain and Airport Operations in a COVID-19 Environment

Provenance Tracking

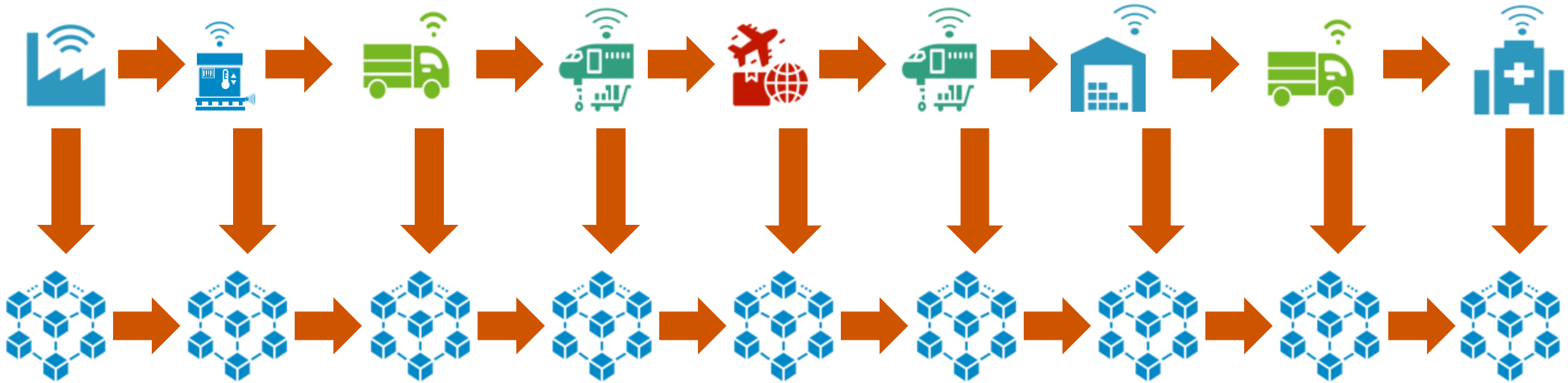
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Victoria Adams, *Cadwyn Bloc LLC*; Mike McCoy, *ConsenSysHealth*; Vincent Annunziato, *U.S. Customs & Border Protection*; Jim St. Clair, *Dinocrates Group LLC*



BLOCKCHAIN

Provenance Tracking



State-change data stored, secured, and tracked on a blockchain throughout the supply chain. Smart contracts notify all parties (e.g., manufacturers, shippers, regulators, and end recipient) of changes and if any issues arise (e.g., violation storage rules, unauthorized access and tampering)

Certificate of origin
 Batch numbers
 Order number
 Bar code
 Harmonized System (HS) code

Data Tracked and Recorded

Match supplier, order, invoice, shipment
 Quality check against spec
 Sensor data (e.g., temperature , weight)
 Shipper staff identity
 Pay shipper (as needed)