



PharmaLedger

BLOCKCHAIN ENABLED HEALTHCARE

24
NOV

2
DEC

Open Webinar

A TRUST-CENTRIC HEALTHCARE JOURNEY



This project has received funding from the Innovative Medicines Initiative 2 Joint Undertaking under grant agreement No 853992. This Joint Undertaking receives support from the European Union's Horizon 2020 research and innovation programme and EFPIA.

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TOPIC 2 | Finished Goods Traceability

Dr. Jan Wortmann (Bayer)
Bernhard Salb (Roche)

With the contribution of abbvie, GSK, J&J,
MSD, Novartis, Pfizer, PDMFC & Romsoft

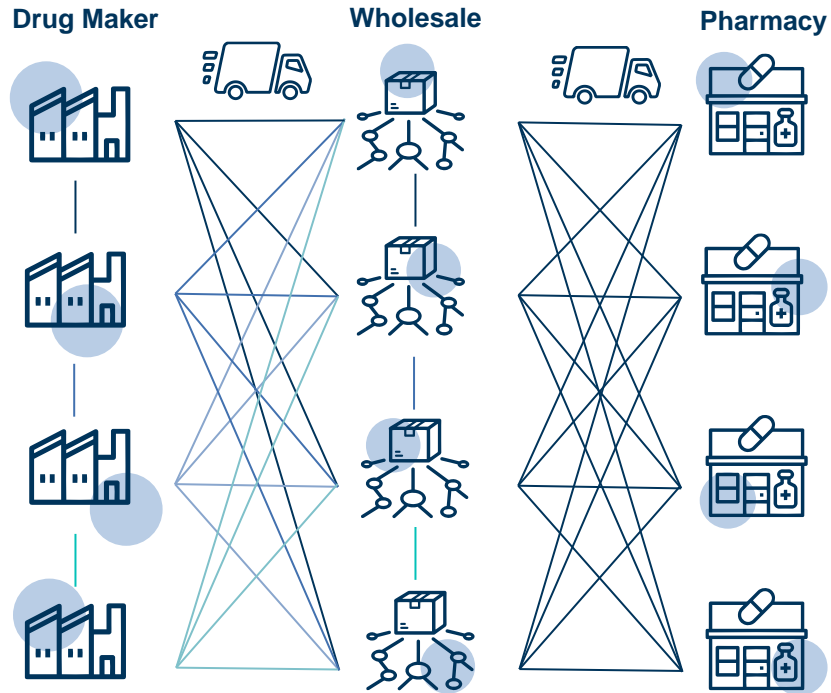


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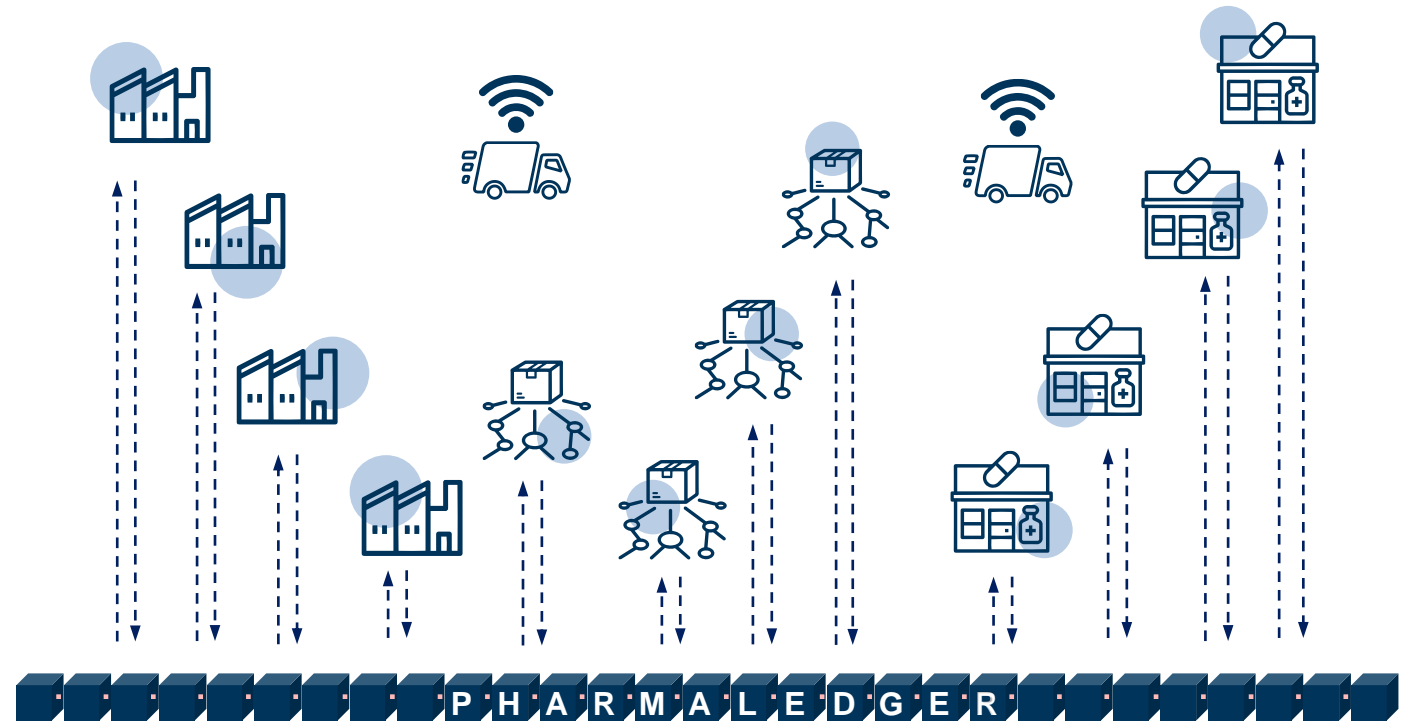
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CONTEXT | THE PHARMA SUPPLY CHAIN

The Pharma Supply Chain Today



...and the Blockchain



- No end-to-end visibility
- Delayed and distorted demand signals
- Manual reaction on recalls
- Siloed information & high number of IT interfaces



PharmaLedger connects the supply chain eco-system for trusted and accelerated information sharing and facilitates incorporating new partners into the eco system, including patients



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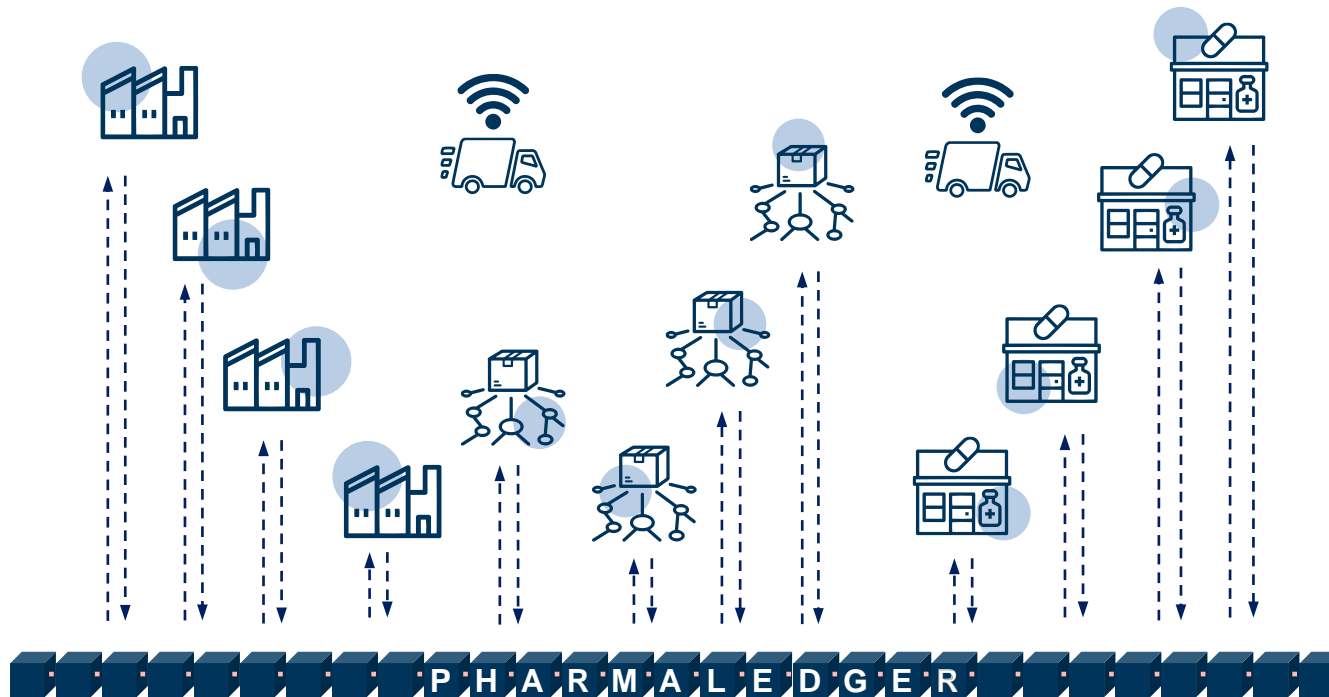


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FINISHED GOODS TRACEABILITY THE VISION

PharmaLedger leverages Blockchain technology connecting the supply chain eco-system for trusted and accelerated information sharing.

- ✓ Leveraging established industry standards and promote industry solutions
- ✓ Introducing digital identities
- ✓ Defining on-boarding procedures for partners

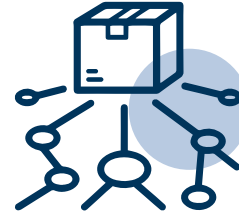


VALUE PROPOSITION



Patients

- Secure & timely supply of product
- Unhampered product
- Product meeting all regulations



Distributor and wholesale

- Reliable demand signals
- On time in-full delivery
- Adjusted inventories
- Optimized working capital
- Reduced returns for expired stock



Drug makers

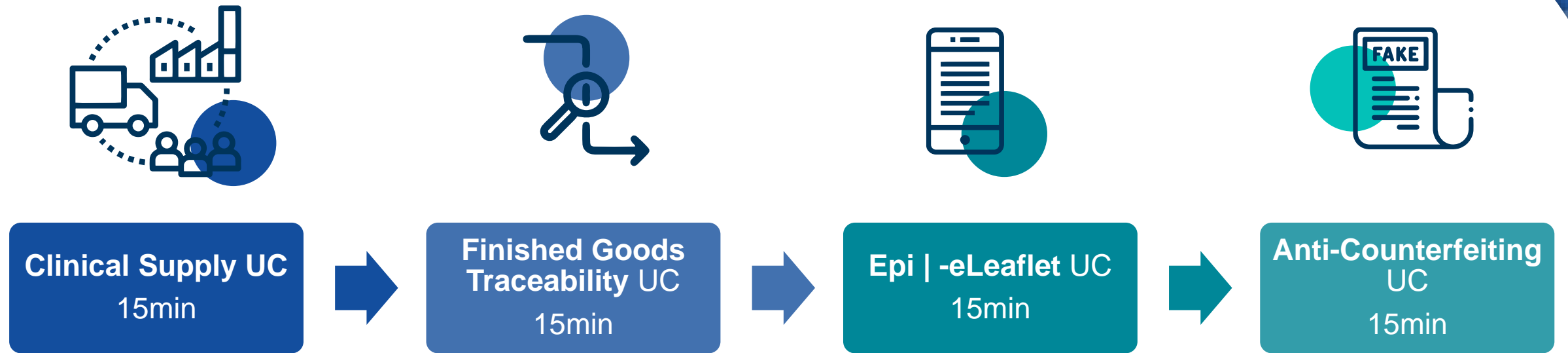
- Near real-time access to seamless and accurate supply information.
- Reliable demand signals optimizes
 - › production
 - › inventory levels
 - › customer service
 - › reduced returns for expired stock

- Increased patient safety through full product control over the entire supply chain (end-to-end)
- Fast efficient recalls
- Optimized cost over the board for the benefit of the health systems
- Simplified IT interfaces & unlocking previously siloed information



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FROM FINISHED GOODS Traceability To EPI and beyond

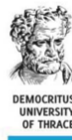


PharmaLedger uses blockchain to **connect the supply chain** eco-system for **trusted** and **accelerated information sharing** and facilitates **incorporation of new partners and patients** into the **digital value chain**

... but the PharmaLedger does not end there.

Electronic production information (ePI) complements supply chain traceability in the next section of our webinar

THANK YOU



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