

## PHARMA LEADERS PARTNER WITH SAP AND CRYPTOWERK™ ON BLOCKCHAIN-POWERED POC

### The Challenge

Consumer demand and regulatory requirements are transforming the way pharmaceutical companies verify the authenticity and integrity of their processes and products. The changes are not optional: U.S. regulations now demand that pharmaceutical companies be able to identify and track the life cycle of every item they sell from the original manufacturer to the shelf to the consumer. Manufacturers and distributors must document the authenticity of items and processes throughout every step of the supply chain in order to remain competitive, comply with regulations and win the trust of consumers.

To meet the challenge, two leading pharmaceutical companies successfully completed a fast-track POC with SAP and Cryptowerk™. The goal: to much more efficiently detect counterfeits and irrefutably document compliance at scale. The POC also demonstrated its applicability for ultimately tracking and tracing billions of items throughout their supply chains.

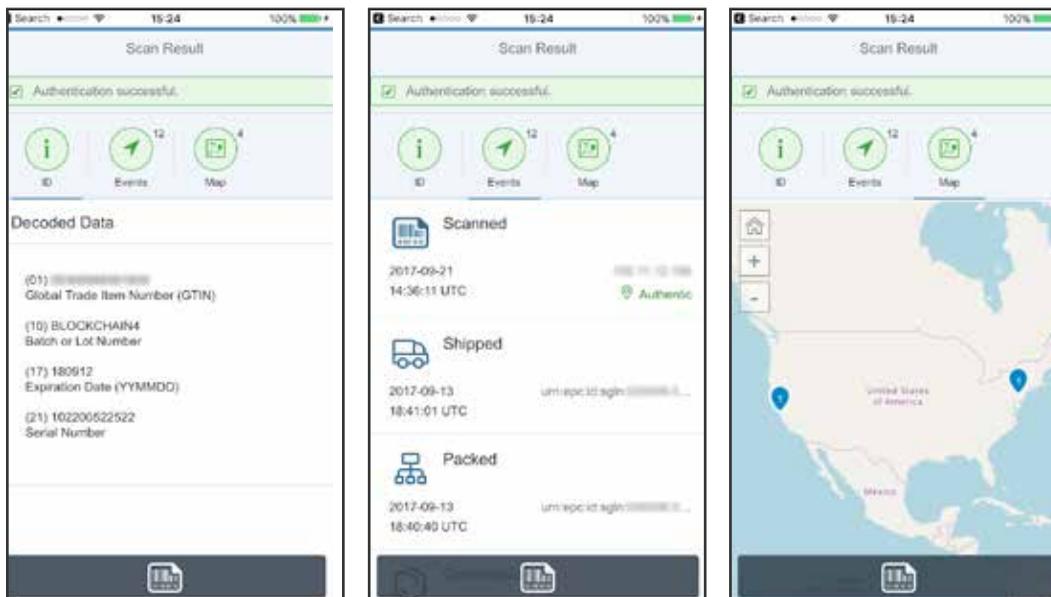
### The Solution

SAP integrated Cryptowerk's Enterprise Blockchain Enablement Kit™ with the SAP Advanced Track and Trace solution, including its mobile component, to deliver a solution to the problem. Working closely with its pharmaceutical customers, SAP in partnership with Cryptowerk was able to rapidly deliver a solution in just a few weeks with the following benefits:

- Full compliance with DSCSA sellable returns verifications
- Instant verification of the authenticity of returned items
- No replication of manufacturer data required for wholesaler
- Minimal complexity, maximal security
- Immutable, single source of truth provided to all parties, including regulators
- Can also be used for track and trace
- Scalable to consumer scanning at point of dispense

Cryptowerk is working with SAP to deliver digital trust at scale today, and is extending its SAP Certified solution to other applications in other industries. The Cryptowerk Enterprise Blockchain Enablement Kit is available now on the SAP App Center.

### An item being tracked with SAP's blockchain-enabled solution:



*“Transmission, through the pharmaceutical network to the blockchains, is carried out blisteringly fast, via Cryptowerk, along with the added non-repudiation mechanisms provided by the Network.”*

*—Ross Doherty, Manager, SAP Innovative Business Solutions\**

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\*<https://blogs.sap.com/2017/09/20/blockchain-innovation-the-journey-to-teched/>