

Pharma Track and Trace Solution from Bosch



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In 2017, **70,000** people in the US died due to drug abuse. This is more than combined deaths of US citizens in Iraq, Afghanistan and Vietnam wars.

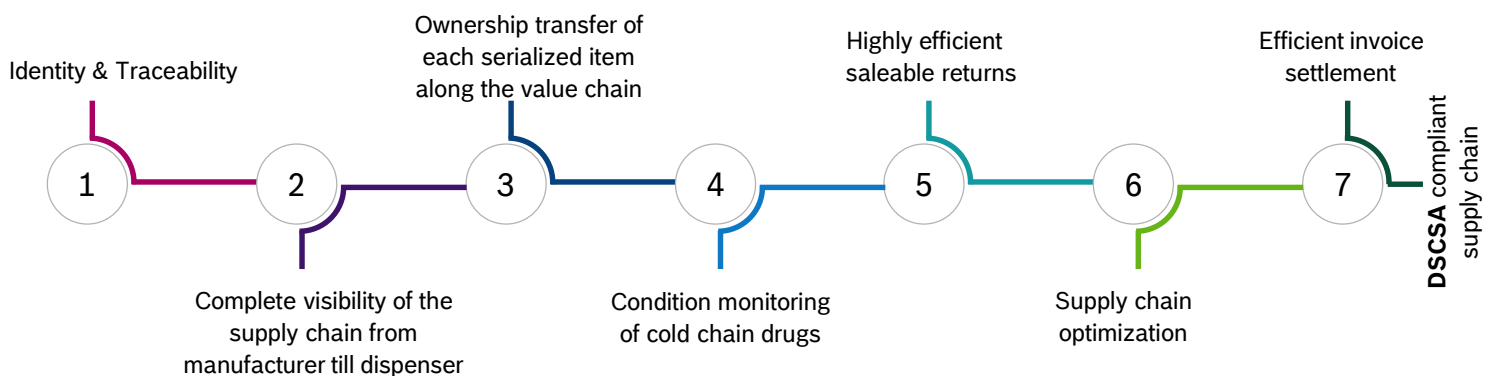
As per a WHO report, worldwide estimations of the spread of counterfeit medicines account to **10%** of the entire amount of medicines sold worldwide.


In the United States of America (USA) alone, an increase of **92%** in counterfeit drug sales was reported from 2005 to 2010 amounting to **\$75 bn** (UNICRI, 2012).

As defined by U.S. Food & Drug administration, counterfeit medicine is fake medicine. It may be contaminated, contain wrong ingredients or non-active ingredients. They could even have the right active ingredient but at the wrong dose. Counterfeit drugs are illegal and may be harmful to human health. Under the DSCSA, manufacturers, re-packagers, wholesale distributors and dispensers – are all required to have systems and processes in place to quarantine and investigate suspect and illegitimate medications. However, today it takes a long time to quarantine the products in the market due to non-transparency in the supply chain across market participants. Pharma supply chain participants have their own IT system and these centralized silos make tracking of ownership and returns highly inefficient and cumbersome.

Bosch as a leading IOT company aims to provide State-of-the-art business transactional systems that define the future of “Economy of Things”. With our strong capabilities in sensors, software and services, Bosch is building a Pharma Provenance Platform powered by Blockchain, AI & IOT. This platform will orchestrate the business of bringing together all the stakeholders of the pharma value chain under a single Blockchain based network. The platform will also provide an accurate, real-time condition monitoring using Bosch’s IOT device capabilities and AI based decision making, analytics & digital feedback loop.

The Bosch Provenance platform backed by a strong enterprise infrastructure partner & the power of distributed computing brings the following major benefits to a Pharma company:



 Financial benefit for a pharma company	\$10bn Revenue/year	\$1bn Potential revenue leakage	At a fractional cost Initial Investment needed using Bosch solution to prevent revenue leakage
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Are you interested?

Get in touch with our relationship manager

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