



Tracking and Tracing

AutoID solutions offer complete control of pharmaceuticals throughout their life cycle

The pharmaceutical industry is facing new challenges. Through globalization, the need for more product safety and brand protection is increasing. Defense against counterfeiting plays a major role here. Also, legal requirements for production and distribution of pharmaceutical products are tightening. Moreover, development cycles are growing shorter and the need arises to include so-called lifestyle products into product portfolios. This leads to an increasing number of product developments. At the same time, pricing pressures have risen due to changes in healthcare systems and mounting development costs. And corporate activities such as mergers and acquisitions and/or spin-offs are also on the increase. As a global player, Siemens is well aware of these challenges and offers support for the pharmaceutical industry to take them on.

Your requirements

In order to counter those challenges, pharmaceutical enterprises are feeling increasingly inclined to

- Lower the risk of damage to their revenue and brands through drug counterfeiting
- Reduce supply chain shrinkage caused by theft and product expiration
- Cut costs by streamlining their production and distribution processes
- Implement ways and means to ensure compliance with government regulations
- Secure the help of a reliable and innovative partner
- Find a hassle-free one stop solution

Our offering

Siemens is one of the world's largest tracking and tracing product suppliers. We offer pharmaceutical enterprises a unique answer to the current market trends and legal impacts: the only all-in-one tracking and tracing solution available worldwide – from the hardware through system integration and operations to process consulting.



Our services include prototyping, piloting, customizing, end to end integration, and roll-out operations carefully tailored to your specific needs.

Siemens IT Solutions and Services Tracking and Tracing for the pharmaceutical industry is built on a global network of innovation and many years of experience. It encompasses best practice integration of single vendor components for proven, end-to-end solutions. These solutions are founded on the genuine engineering expertise of a manufacturing company. They include the development of a comprehensive Auto-ID strategy tailored to your needs, and a robust ROI calculation. And they are complemented by ongoing, comprehensive, customized support worldwide from one source including operation management and helpdesk.

We take a two-pronged approach to safeguard your critical assets and to optimize the processes of your value chain:

E-Pedigree – this makes pharmaceutical products visible and traceable on their way along the value chain through volume serialisation and so ensures their continuing safety – especially against counterfeiting. We employ RFID as well as a choice of other Auto-ID technologies for this purpose.

Process optimization – based on the Auto-ID technology employed, we will implement complete and self-contained solutions to streamline your production and logistics processes.

We cover all stages of the pharmaceutical product life cycle. This begins with raw materials and packaging suppliers, goes on to pharmaceuticals manufacturers and wholesalers and continues right through to hospitals and pharmacies. Near real-time data transfer spanning the entire supply chain ensures the safety of your pharmaceutical products. Process optimization solutions include container management, fleet management, distribution centre optimization, access control, security, and more.

Your benefits

Siemens Tracking and Tracing for the pharmaceuticals industry solutions provide end-to-end visibility along your relevant value chains including full authentication of pharmaceuticals. This enables you to mitigate the risk of drug counterfeiting, reduces theft and allows for effective expiration date management.

- Protection for your brand, your customers, and your revenue
- Increased supply-chain efficiency
- Reduced costs and increased value generation, optimization of research and development activities
- First rate compliance with prevalent and upcoming legal provisions
- Rapid and flexible response to market challenges

Tracking & Tracing service and solution modules offered by Siemens IT Solution and Services

Assessment	Solution Design	Implementation	Rollout	Operations & Support
<ul style="list-style-type: none"> > Quick scan > Analysis of business processes > IT architecture analysis > AutoID Strategy > Business case > Feasibility study > ROI calculation 	<ul style="list-style-type: none"> > Target process design > IT architecture design > Selection/prototyping of suitable technology > Integration design (ERP, WMS, etc.) 	<ul style="list-style-type: none"> > Business process implementation/mapping > IT architecture implementation > Integration (ERP, WMS, etc.) 	<ul style="list-style-type: none"> > Installation > Documentation > Training > Change management 	<ul style="list-style-type: none"> > AutoID backbone > Application management > Operation of backend server > Helpdesk > Onsite support for hardware/software

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