



SafeNationVS

Trusted provider of the
National Blueprint System

SERVICE DEFINITION



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Fighting the Fakes

Falsified medicines are a **serious and escalating problem** within the global pharmaceutical supply chain. Counterfeit drugs endanger patients by providing unsafe or ineffective treatments, undermining public trust in healthcare systems, and threatening the integrity of the supply chain. These counterfeit products can bypass traditional checks, posing a **significant risk to patient safety**.

What is the Falsified Medicines Directive (FMD)?

The **Falsified Medicines Directive (FMD)** was implemented to prevent falsified drugs in Europe's supply chain. It requires manufacturers to add unique barcodes and tamper-evident seals as safety features on each medicinal pack, ensuring patients receive authentic medications.

The FMD requires all EU countries to implement a **National Medicines Verification System (NMVS)** connected to the **European Medicines Verification Organisation's (EMVO)** central Hub.



What is SafeNationVS

SafeNationVS is Solidsoft Reply's **National Blueprint System (NBS)**. SafeNationVS is our pharmaceutical solution designed to help countries comply with the EU **Falsified Medicines Directive (FMD)**.

Based on our Microsoft global award-winning national medicine verification system, already used by over 20 countries, Solidsoft Reply offers a ready-to-go and customisable solution for LMICs. The system works by providing a national platform where pharmaceutical products are registered, authenticated and decommissioned before they reach consumers.

It enables **wholesalers and pharmacists** to verify the authenticity of medications by scanning unique identifiers on packaging and to meet the regulatory requirements of the FMD.

Solidsoft Reply is one of two certified companies in Europe qualified to provide the FMD National Blueprint System, and it is **the first supplier** to deliver a blueprint system.

SafeNationVS is fully compatible with the European Hub and markets across Europe. It supports all major European languages and runs on the same public cloud platform used to host the European Hub and other Solidsoft Reply national systems.

Fighting the fakes with SafeNationVS

The national system allows pharmacists and wholesalers to meet their legal obligations by verifying and decommissioning serialised medicine packs. It supports **single and 'bulk-of-pack' verification** and provides responses and notifications, including potential falsification alerts. The functionality is readily available through **a simple and modern programmatic interface**.

The system provides **extensive reporting for NMVOs and NCAs**, accessible through a secure portal. It supports the onboarding and management of pharmacists and wholesalers across the market. It integrates fully with the European Hub, including alerting for manufacturers and inter-market transactions.

Reach

Countries where SafeNationVS is already in use

Bulgaria		Iceland	
Croatia		Ireland	
Cyprus		Lichtenstein	
The Czech Republic		Lithuania	
Denmark		Malta	
Estonia		Slovenia	
Finland		Sweden	
Greece		Switzerland	

Partnering with Solidsoft Reply

Solidsoft Reply has been involved with the EU Falsified Medicines Directive from the outset, with 50% of EU countries adopting the SafeNationVS system and this number continues to grow.

We take pride in our long-term service agreements and high customer satisfaction. Recently, we have expanded the number of countries choosing us for our high-quality service offerings and competitive pricing.

References to prospective countries are available upon request.

Features and Benefits



Comprehensive Reporting

National Medicines Verification Organisations (NMVOs) can request reports via a dedicated API in addition to the reporting GUI in the administration portal.



Alert Management

NMVOs can integrate alert management tools or CRM systems with the National System through their choice of REST or AMQP interfaces.



Secure Data Repository

The unique identifiers (UIs) and the associated data and events for each medicine pack or unit are stored and verified.



Robust Portal

The Administration portal allows NMVOs to graphically monitor the transaction volumes of pharmacy and wholesaler clients.



Compliance

Adheres to the Falsified Medicines Directive (FMD) and follows best practice. The system uses a GAMP@5 aligned quality management system to also ensure compliance.



Security and Reliability

SafeNationVS Protects the integrity and transaction of data, ensuring that system performance is optimal. It also supports clients using TLS 1.3.



Flexibility and Scalability

Adaptable and integrable to meet the specific needs of each country and stakeholder. It is readily available in many European languages.



Modern and Simple API

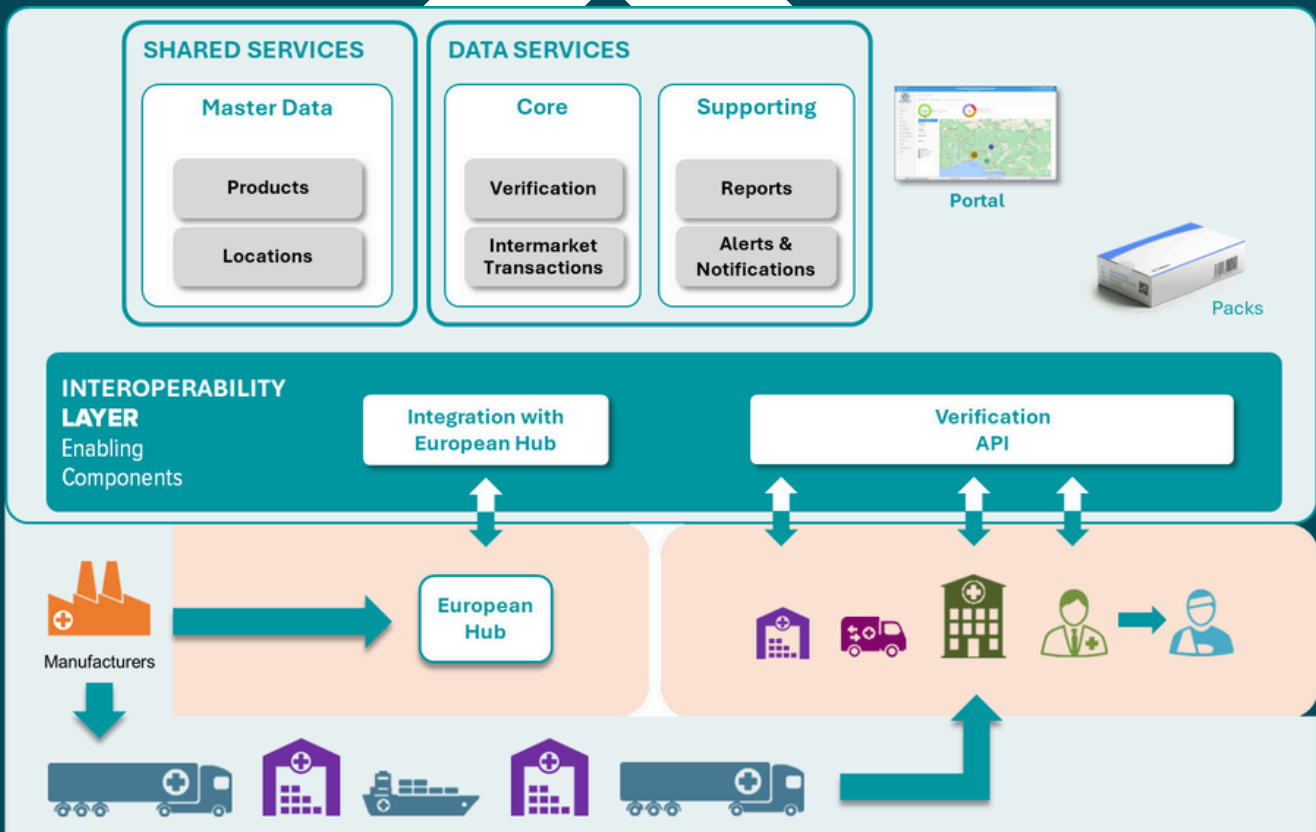
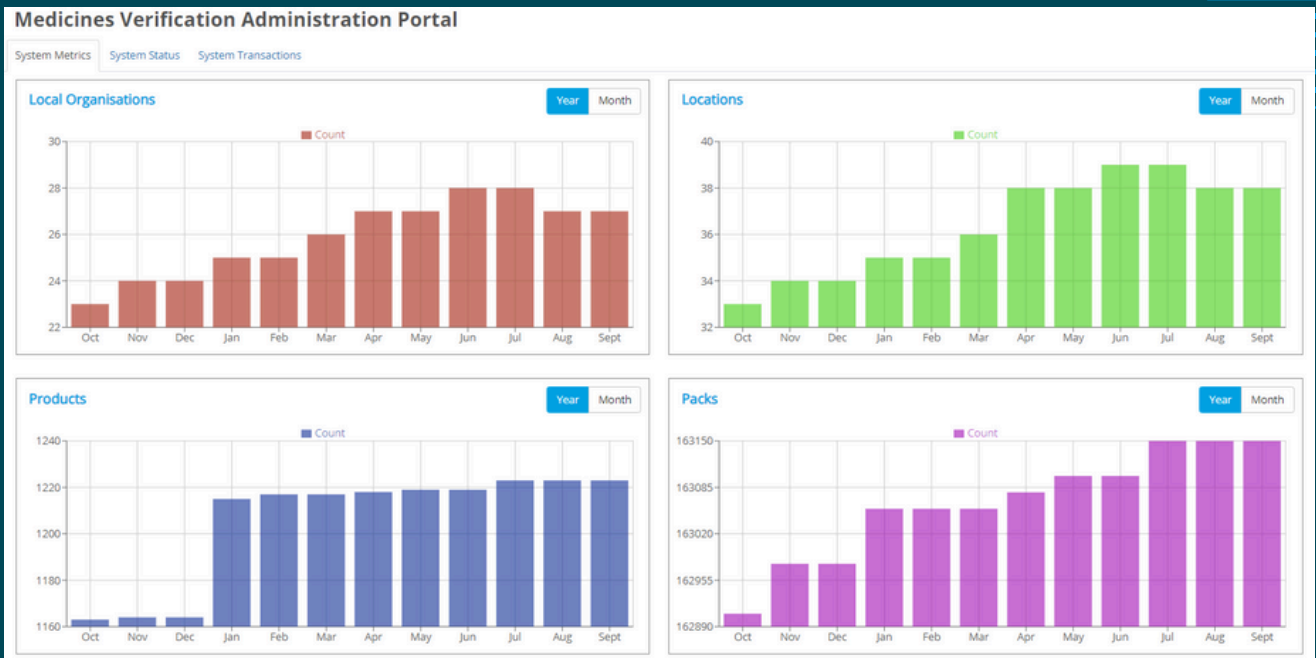
Access to the system via a simple, minimal, modern and secure application programming interface, reducing the complexity of integration.



Sustainable

Built on a major public cloud platform - Microsoft Azure - with aggressive goals to be carbon-negative by 2030.

SafeNationVS Portal



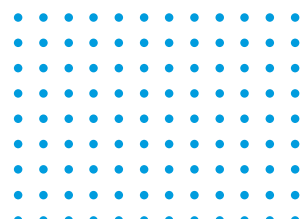
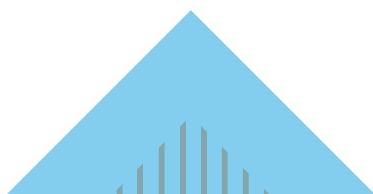
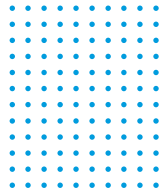
Pricing

Our pricing for an instance of SafeNationVS is primarily driven by the volume of serialised packs uploaded annually, typically ranging **from 50 million to 1 billion packs**.

We offer a **fully managed service** that includes Hosting, Support, Development, and Maintenance, all leveraging **Microsoft Azure capabilities** within EU Data Centres. We adhere to **GaMP5 guidelines** for software development in the pharmaceutical industry, as well as **ITIL and ISO27001 standards**.

We follow a National Blueprint system, meaning the same solution is provided for all, with minor configuration changes accommodated. This ensures that prospective buyers collaborate as harmonious members of the Solidsoft Reply Customer group to **ensure FMD compliance**. This collaboration facilitates agreement on the priorities for new changes, the approach for validation, and IoT activities.

Contact us for a quotation.



About Solidsoft Reply

Who We Are

Solidsoft Reply is more than just a Technology partner for Microsoft AI Cloud Solutions.

We are a team of innovators, applying our solutions and services to effect meaningful change across various sectors including retail, government, humanitarian efforts, and the pharmaceutical & healthcare industries.

What We Do

We develop, deploy, and operationally manage software solutions with Microsoft Azure Technology.

Specifically, we are recognised as a leading global provider of medicines verification & traceability systems.

These solutions deliver vital services to millions of citizens across Europe, Africa, and Asia.

Our Mission

We focus on building and managing critical solutions, applications and services for our customers that scale to accommodate national, pan-national, and international demands.



Company Profile

30+
Years

We have been in business since 1993 and was an early adopter of Azure Cloud and its first-ever Global winner.

20+
Countries

We are currently operating our solutions across Europe, Africa & Asia.

8
Microsoft Global Awards

We are multi-award winners of Global and UK Microsoft Awards.



Contact Us



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