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# Delivering Trust to Global Pharmaceutical Distribution



Dan Purtell – Director of Innovation  
September 2022



By Royal Charter





By Royal Charter

- **Founding** Member of ISO
- Shaped **10 of Top 12** most widely used ISO Standards
- **84,000 clients** in **195** countries
- **5,000** Employees and **12,200** Experts
- **280,000 Audit Days** delivered in past 12 months
- **230,000 Delegates Trained** in last 12 months
- **53%** of Fortune 500, **83%** of FTSE 100 & **73%** of Nikkei 225
- **NPS 2018:** 56; **NPS 2019:** 57.7

We are a purpose-driven  
business focused on  
Organizational Resilience.

bsi.

...making excellence a habit™



# Blockchain Use Cases





# SCAN Trusted Factory Blockchain Program



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## Securing Global Supply Chains

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# SCAN Membership



## NUMBER OF SCAN MEMBERS



- American Eagle
- Ashley's Furniture
- Best Buy
- Caleres
- Canadian Tire
- Carters
- CharBroil
- Children's Place
- Columbia
- Costco
- Cracker Barrel
- Disney
- Epoca International
- Ferguson
- Five Below
- Fleet Farm
- Fruit of the Loom
- Gap
- Hallmark
- Harbor Freight
- Hasbro
- HEB Grocery
- Husky
- JC Penney
- Kohl's
- Levi's
- Lowe's
- Meijer
- Michael's
- Natco
- Newell
- Office Depot
- Patagonia
- Pure Fishing
- Rawlings
- REI
- Revman International
- Sauder Woodworking
- Shalom International
- Talbots
- Target
- TJX
- The Home Depot
- Walmart
- Wolverine World Wide Inc.

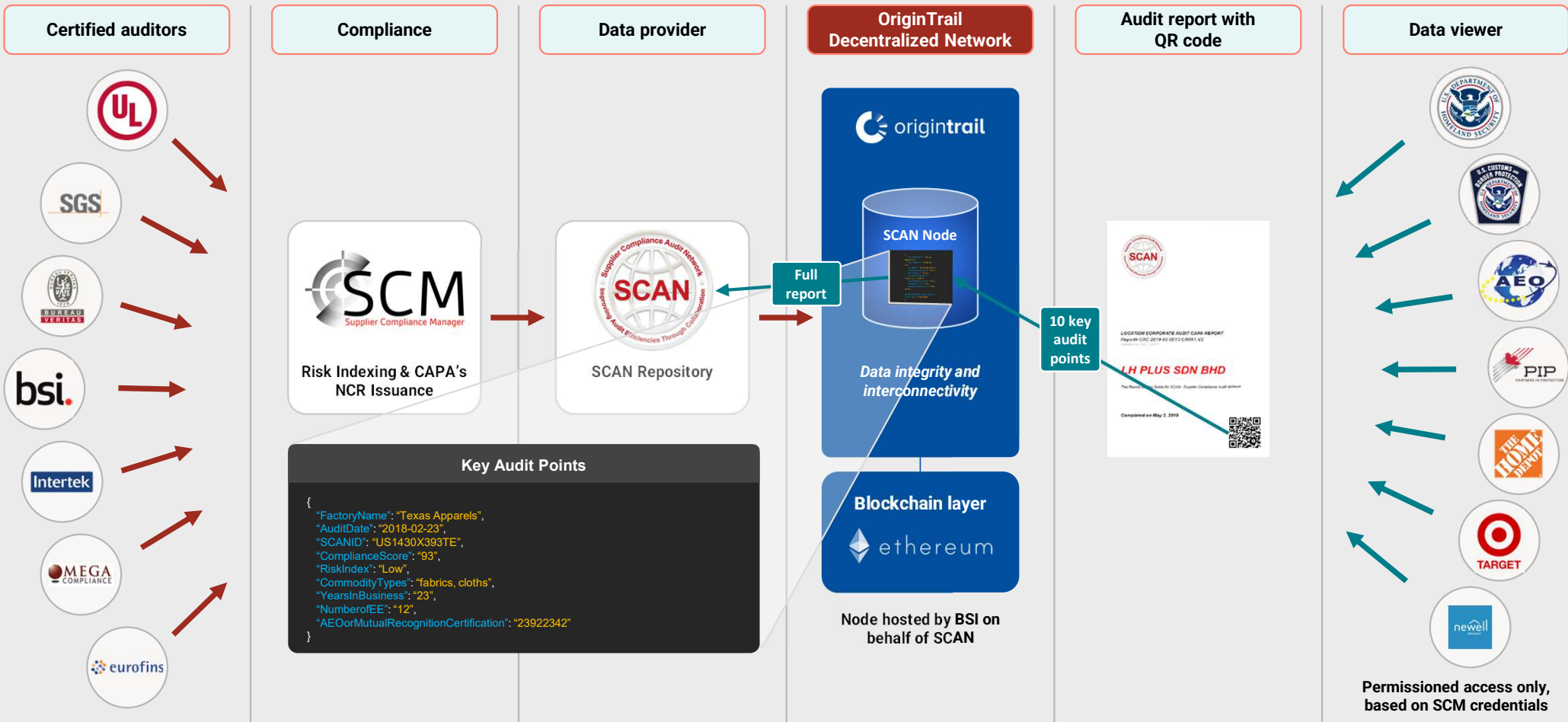


### SCAN Stats:

- 60 Members
- \$1.6 Trillion in Sales
- 27,000 factories in 96 countries
- Criteria aligned with CTPAT MSC
- 300,000 Corrective Actions

# SCAN Trusted Factory

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**SCM**  
Supplier Compliance Manager

Risk Indexing & CAPA's  
NCR Issuance

**SCAN**  
Supplier Compliance Audit Network

SCAN Repository

**OriginTrail  
Decentralized Network**

origintrail

SCAN Node

Data integrity and  
interconnectivity

Blockchain layer  
ethereum

Node hosted by BSI on  
behalf of SCAN

**Audit report with  
QR code**

SCAN

LOCATION CORPORATE AUDIT CAPA REPORT  
Report CSC-2018-05-0013-CAR01-V2

**LH PLUS SDN BHD**

Completed on May 2, 2018

**Data viewer**

U.S. DEPARTMENT OF  
HOMELAND SECURITY

U.S. CUSTOMS AND  
BORDER PROTECTION

AEO

PIP  
PARTNER IN PROTECTION

THE HOME  
DEPOT

TARGET

newell

Permissioned access only,  
based on SCM credentials

**Key Audit Points**

```
{
  "FactoryName": "Texas Apparels",
  "AuditDate": "2018-02-23",
  "SCANID": "US1430X393TE",
  "ComplianceScore": "93",
  "RiskIndex": "Low",
  "CommodityTypes": "fabrics, cloths",
  "YearsInBusiness": "23",
  "NumberOfEE": "12",
  "AEOorMutualRecognitionCertification": "23922342"
}
```

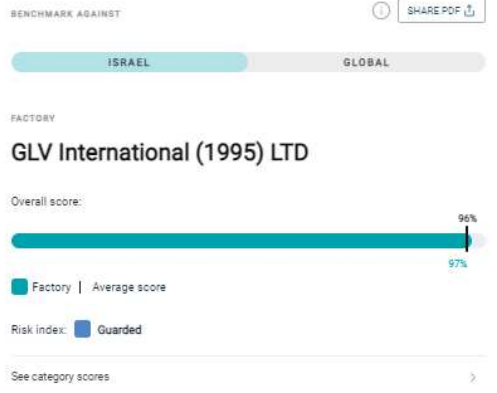
# Blockchain Visualized



2020 SCAN SECURITY AUDIT

## GLV International (1995) LTD

Audit Date: January 31, 2021 Audit Status: **Audit Pending Review**  
 Audit Number: EA-2021-02-0001 Audit Company: SGS



### Geographic Risk Overview

- Elevated**

**Cargo Disruption**

There is an Elevated threat of cargo disruption in Israel. The relative frequency of cargo theft in Israel reflects the low crime rate in the c...

[Read more >](#)
- Elevated**

**Unmanifested Cargo Introduction**

Israel has an overall Elevated threat of unmanifested cargo introduction.
- Severe**

**Terrorism**

Although the threat of terrorism in Israel remains Severe, the country has witnessed decline in major terrorist attacks since the of the Second...

### AUDIT Verification

- Audit issuer verified**
  - BSI identity verified
  - BSI signature verified
- Audit integrity verification pending**
  - Data model verified
  - Dataset replication on OriginTrail
  - Decentralized Network verification: pending
  - CHECK ON ODN
  - Computation of local data hashes: pending
  - Comparison of local and blockchain data hashes: pending
  - CHECK ON ETHERSCAN
- Audit revocation status pending**
- Verification pending...**

Audit data was found but it cannot be verified on blockchain yet. This can take up to 24 hours. Please return later for more details.

Last verified on February 12, 2021

[VERIFY AGAIN](#)

Audit



2020 SCAN SECURITY AUDIT

## GLV International (1995) LTD

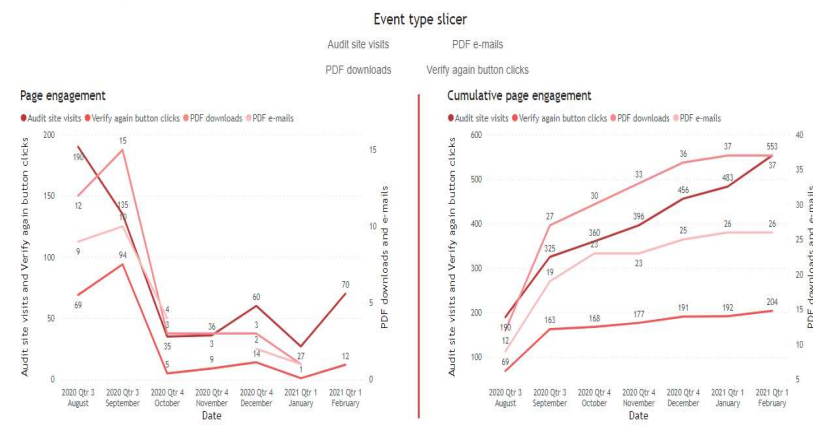
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BENCHMARK AGAINST

ISRAEL GLOBAL



### SCAN KPI Dashboard - Page engagement





# Decentralized Knowledge Graph

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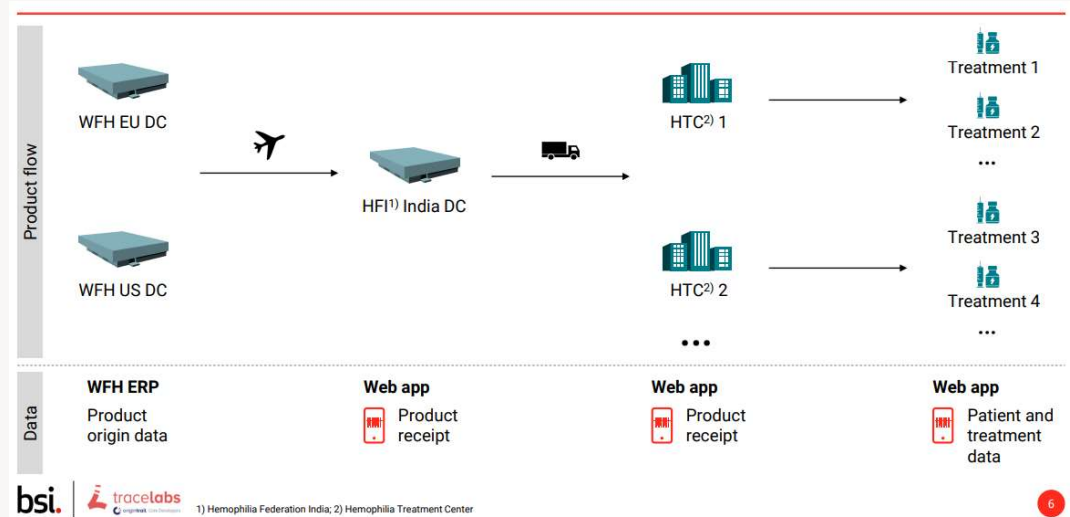
Challenge: How can we digitally enable **end-to-end supply chain visibility and trust** for clients? (for pharma donations)



**Digitally-enabled BSI management system** for end-to-end transparency on how products move and where they are used, based on trusted data



**Global Not-for-Profit Client**  
Distribution and administration of life saving medication in 50+ developing countries globally



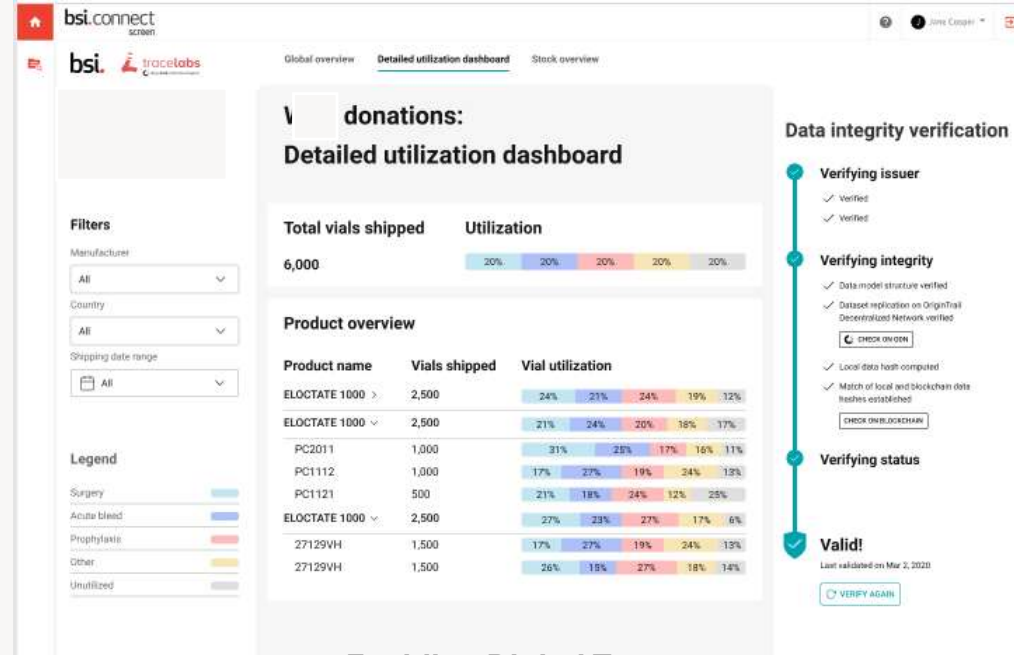
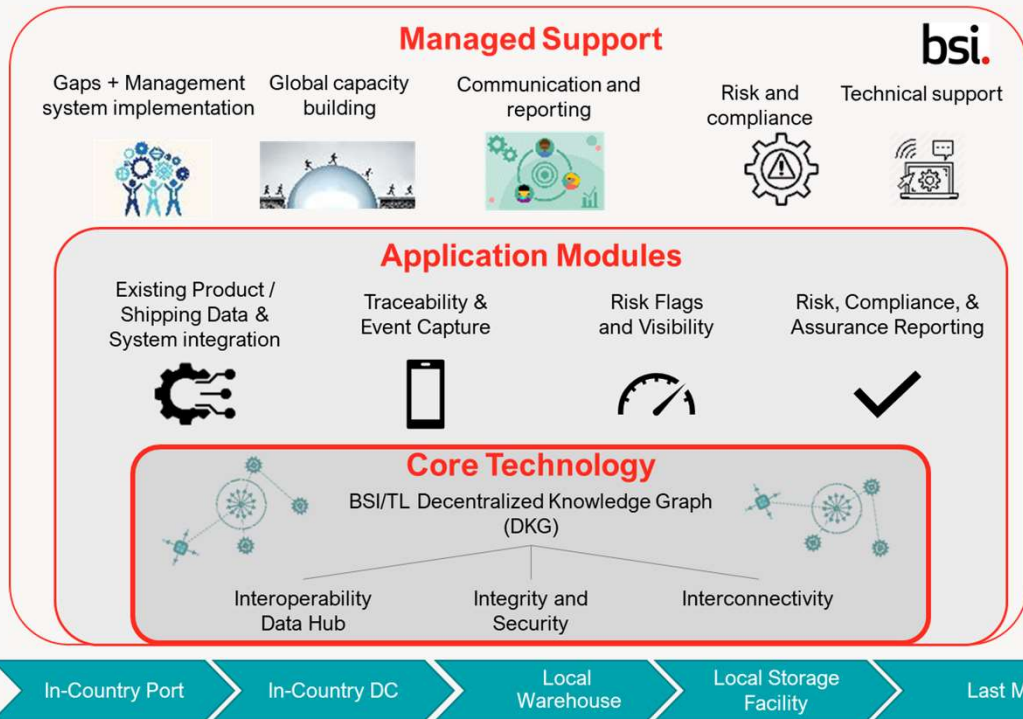
Improving product **utilization** reporting to donors  
 Reducing **diversion**/grey market risk  
 Enhancing **visibility and lane analytics** in real time  
 Integrating with **country + site level auditing**  
 Reducing manual surveillance and legal costs



# Traceability and Trust

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## Data + Technology + Consulting Solution



### Enabling Digital Trust

- Enhance traditional existing BSI offers
- "Data-as-Assurance" focus
- Alignment with standards and best practice
- Truly demonstrate continuous improvement
- Support core operational needs of client
- Grounded on data integration and interoperability
- Enhanced by key technology partnerships

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# Contact Information

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