TraceLink acquires ROC IT SOLUTIONS, the leader in intelligent edge data capture for serialized product inventory in the pharma supply chain.

TraceLink hits INDUSTRY MILESTONE WITH 100 CONTRACT MANUFACTURING ORGANIZATIONS serialization-ready on the TraceLink Life Sciences Cloud Network.

TraceLink unveils INDUSTRY’S FIRST EUROPEAN COMPLIANCE AND DIGITAL INFORMATION PLATFORM for pharmacies with EU FMD requirements.

TraceLink executes UNPRECEDENTED SERIAL NUMBER VOLUMES
GLOBALLY, commissioning more than 460 million serial numbers and
processing 2.5 billion serialized events.

Every hospital on BECKER’S 100 GREAT HOSPITALS list is on the
TRACELINK NETWORK.

PHASE II OF U.S. DSCSA GOES INTO EFFECT, requiring unique serial
numbers on each saleable unit of drug product sold in the U.S. FDA ANNOUNCES ONE-YEAR ENFORCEMENT DISCRETION FOR MANUFACTURERS ON PHASE II OF DSCSA.

TRACELINK’S Director of Global Traceability and Standards ELIZABETH
WALDORF is named co-chair of the GS1 GLOBAL TRACEABILITY
STANDARD (GTS2) WORKGROUP.

TraceLink receives TOP INDUSTRY ACCOLADES, including
the Edison Award™ and Gartner’s “Cool Vendor” award.

TRACELINK CEO SHABBIR DAHOD is named to PHARMAVOICE 100
MOST INSPIRING AND INFLUENTIAL PEOPLE.

TRACELINK’S VP of Product Management LUCY DEUS is recognized by BOSTON BUSINESS JOURNAL as one of ten “WOMEN TO WATCH IN SCIENCE AND TECHNOLOGY.”

2017

GS1 US HEALTHCARE’S “APPLYING GS1 STANDARDS FOR DSCSA
AND TRACEABILITY” IMPLEMENTATION GUIDELINE (RELEASE 1.2)
is published, with TraceLink’s Elizabeth Waldorf serving as one of the
two technical editors.

TraceLink secures MORE THAN 100 MANUFACTURING CUSTOMERS, and has 241,000 SUPPLY CHAIN PARTNERS on the Life Sciences Cloud network.

TraceLink is named FOUNDING MEMBER OF THE OPEN
SERIALIZATION COMMUNICATION STANDARD (OPEN-SCS) WORKING GROUP. TRACELINK’S VP of Industry Marketing BRIAN DALEIDEN is
named to the Executive Steering Committee for the workgroup.

TraceLink racks up TOP AWARDS FOR SOFTWARE, CLOUD COMPUTING, GLOBAL LEADERSHIP, AND CUSTOMER AND REVENUE GROWTH, from IDC MarketScape, Business Intelligence Group, Deloitte’s Technology Fast 500™, The Boston Globe, and MassEcon.

TraceLink secures $51.5 MILLION IN “SERIES C” FUNDING led by Goldman Sachs, along with FirstMark Capital, Volition Capital, and F-Prime Capital, securing its position in the global pharma track and trace industry.

THE EU FMD DELEGATED ACT ON SAFETY FEATURES is published,
outlining the use of serialization, government reporting, and verification.

TraceLink completes EUROPEAN MEDICINES VERIFICATION ORGANIZATION (EMVO) CERTIFICATION, directly connecting to the European Hub.

BRAZIL INTRODUCES SERIALIZATION AND TRACKING
for all pharmaceuticals, with a 3-year deployment for all industry stakeholders.

SERIALIZATION REQUIREMENTS IN SOUTH KOREA cover 100% of
pharmaceutical drugs, and call for use of GS1 standards for barcoding.

TraceLink customers go into commercial production with SOUTH KOREA and
INDIA COMPLIANCE MODULES.

TraceLink runs a SUCCESSFUL INDUSTRY PILOT FOR DSCSA COMPLIANCE WITH “BIG 3” WHOLESALERS, using GS1 EPCIS 1.1 data exchange in the Life Sciences Cloud.

2016

2015

TraceLink secures $20 MILLION IN GROWTH FUNDING
led by Volition Capital.

PHASE I OF DSCSA IS IMPLEMENTED, requiring lot-level
traceability on all specified drug products sold in the U.S. Moving forward, pharmacies can’t accept product unless lot-level product tracing information is provided.

TRACELINK SURPASSES 100 CUSTOMERS
ON THE TRACELINK NETWORK.

“Brazilian Medicine Traceability Using GS1 EPCIS Implementation Guide”
is published, with TRACELINK’S Director of Global Traceability and
Standards ELIZABETH WALDORF serving as CO-CHAIR OF THE GS1
BRASIL WORKGROUP.

CHINA mandates SERIALIZATION AND GOVERNMENT COMPLIANCE REPORTING for all pharmaceuticals.

TraceLink unveils FIRST LIFE SCIENCES COMPLIANCE SOLUTION TO
ADOPT EPCIS-BASED IMPLEMENTATION GUIDELINES for BRAZIL.

INDUSTRY RECOGNITION OF TRACELINK AS FAST-GROWING AND CUTTING-EDGE

continues to build, with the company garnering award wins from GS1 Brasil and CPhI, and Deloitte’s Technology Fast 500™.

2014

THE TRACELINK LIFE SCIENCES CLOUD becomes the WORLD’S
LARGEST TRACK AND TRACE NETWORK with more than 80,000 supply
chain participants.

TraceLink supports NEWLY ANNOUNCED HDMA 856 ADVANCE SHIP NOTICE FORMAT designed to facilitate implementation of DSCSA across the supply chain.

TraceLink launches TRACK AND TRACE SOLUTIONS
for CHINA, SOUTH KOREA, and BRAZIL.

TRACELINK EXCEEDS 90 LIFE SCIENCES CUSTOMERS, including 16
of the global top-20 pharmaceutical companies.

100+Life Sciences

Customers

2013

TraceLink expands product portfolio, introducing CORE SERIALIZATION MODULES SNX, SOM, and SNM.

THE EU COMMISSION ENACTS THE FALSIFIED MEDICINES

DIRECTIVE (FMD) to enable harmonized, European-wide measures to
rigorously control the safety and supply of medicines.

President Barack Obama signs DQSA into law, with a provision to
preempt all existing and future state serialization and pedigree laws. Title II of DQSA, the DRUG SUPPLY CHAIN AND SECURITY ACT (DSCSA), outlines steps to build an electronic, interoperable system to identify and trace prescription drugs distributed in the U.S.

CHINA’S State Food and Drug Administration (SFDA) announces its IMPLEMENTATION OF A NATIONAL TRACK-AND-TRACE STRATEGY, leaping ahead of the U.S. in national serialization efforts.

TraceLink wins UNIQUE DISTINCTIONS AND TOP HONORS
IN INNOVATION, from Amazon, Red Herring, Edison Awards, and more.

2012

A COUNTERFEIT VERSION OF THE BLOCKBUSTER CANCER DRUG,
AVASTIN, enters the U.S. supply chain, dispelling the notion that the U.S.
counterfeit market is generally focused on “lifestyle” drugs like diet and
hair growth pills.

The EUROPEAN COMMISSION meets to determine specifications for changing the EU’s “point-of-dispense” verification system for ENSURING DRUG AUTHENTICITY TO A TRACK AND TRACE SYSTEM.

ARGENTINA IMPLEMENTS A TRACK AND TRACE LAW that mandates using
GS1 standards for barcoding.

Frost & Sullivan names TraceLink as 2012 GLOBAL ENTREPRENEURIAL COMPANY OF THE YEAR for Supply Network Collaboration.

TRACELINK UNVEILS PRODUCT TRACK, the industry’s only Transaction History Management System providing all the necessary network connectivity, operational use case, and compliance data management tools.

WITH PFIZER AND “BIG 3” WHOLESALERS, TraceLink runs first EPCIS pilot
using GS1 standards for serialized products.

TraceLink secures $5.5 MILLION IN FUNDING
from FirstMark Capital.

2011

TraceLink with Robert Handfield, PhD, Distinguished Professor of
Supply Chain Management at North Carolina State University, execute
a GROUNDBREAKING STUDY examining COLLABORATIVE LIFE
SCIENCE SUPPLY NETWORKS.

TraceLink helps eliminate point-to-point integration complexities by implementing
an INTEROPERABLE, “INTEGRATE-ONCE” MODULE on its network platform for seamless data exchange.

GARTNER names TraceLink a “COOL VENDOR” for Supply Chain Management.

TraceLink becomes the FIRST SOLUTION PROVIDER IN THE MARKET
to support large-scale life sciences commercial shipments with GS1
Electronic Product Code Information Services (EPCIS) standard
exceeding 69,000 serialized shipments.

2010

The Pharmaceutical Security Institute reports the following 2010
figures: 1,735 COUNTERFEIT DRUG INCIDENTS WORLDWIDE, and
201 PHARMACEUTICAL CRIME INCIDENTS IN NORTH AMERICA.

Contract packagers and manufacturers SHARP, PATHEON, and CATALENT PHARMA SOLUTIONS PARTNER WITH TRACELINK for improved data sharing with customers.

Across the globe, more countries introduce laws that will have an impact on companies producing, distributing, or dispensing medicines across borders. CHINA INTRODUCES AN ELECTRONIC CODE REGULATION SYSTEM for tracing each box of drugs sold in the Chinese mainland. TURKEY PASSES LEGISLATION requiring serialization track and trace using GS1 standards for barcoding.

THE FDA OFFICE OF CRIMINAL INVESTIGATION
OPENS 72 NEW CASES OF COUNTERFEIT DRUGS.

The FDA publishes FINAL GUIDANCE FOR INDUSTRY STANDARDS FOR SECURING THE DRUG SUPPLY CHAIN - STANDARDIZED NUMERICAL IDENTIFICATION FOR PRE-SCRIPTION DRUG PACKAGES.

TraceLink unveils its LIFE SCIENCES CLOUD, THE FIRST
MULTI-TENANT, CLOUD-BASED NETWORK PLATFORM
FOR THE LIFE SCIENCES INDUSTRY, hosted by
Amazon Web Services. Its unique, network architecture
leverages on-demand computing resources and database architectures custom-designed to handle massive sets of data unlike traditional on-premise systems.

2009

TRACELINK, INC. IS FOUNDED BY SUPPLYSCAPE LEADERS SHABBIR DAHOD, PETER SPELLMAN, AND LUCY DEUS, and partners with Lawrence Lenihan and FirstMark Capital to offer solutions specifically architected to address tracking format complexities and built to scale the vast data volumes expected with serialization.

TraceLink’s LUCY DEUS is named ONE OF THE
PHARMAVOICE 100.

2008

COUNTERFEIT VERSIONS OF HEPARIN, a blood thinner, are detected in 11 countries and, in the U.S., is linked to hundreds of allergic reactions and 81 deaths.

CHINA MAKES SERIALIZATION MANDATORY for certain
pharmaceuticals, from May 2013.

CALIFORNIA FURTHER EXTENDS THE EFFECTIVE DATE FOR THE
IMPLEMENTATION OF THE ePEDIGREE REQUIREMENTS to Jan.
1, 2011, and then to 2015 at the earliest, citing a lack of technology
readiness, and strong resistance from retail pharmacies.

Drug companies, frustrated by the existing patchwork of state laws, CALL FOR A UNIFORM NATIONAL SYSTEM FOR PEDIGREE REQUIREMENTS, prompting the FDA’s pledge to provide guidance for a standardized identification numbering system for drugs by March 2010.

INDUSTRY FORMS MULTI-STAKEHOLDER PHARMACEUTICAL DISTRIBUTION SECURITY

ALLIANCE (PDSA) to unify the patchwork of state level pedigree laws and take it to the federal level.

2007

Health Industry Insights (an IDC company) and SupplyScape publish the FIRST EVER RESEARCH STUDY ON REVENUE LEAKAGE regarding chargebacks and
returns in the pharma supply chain.

CALIFORNIA ePedigree legislation IS UPDATED TO INCLUDE
SERIALIZATION BY 2009.

19 STATES INTRODUCE PEDIGREE BILLS.

SUPPLYSCAPE IS AWARDED CERTIFICATION for Drug Pedigree Messaging Standard by EPCglobal.

2006

CALIFORNIA legislation moves the effective date of its ePEDIGREE
law to Jan. 1, 2009.

FLORIDA’S STATE PEDIGREE LAW GOES INTO EFFECT and becomes the first comprehensive state pedigree regulation for the tracking of all
prescription drugs from manufacturer to pharmacy.

2005

SupplyScape introduces an ePEDIGREE COMPLIANCE SOLUTION,
DELIVERING END-TO-END TRACK AND TRACE CAPABILITIES
for California, Florida, and Nevada, to ensure compliance in any state.

GS1 GLOBAL HEALTHCARE USER GROUP (HUG) is formed to lead the healthcare industry in the effective utilization and development of global standards, with the primary focus
on automatic identification to improve patient safety.

Investigative reporter Katherine Eban publishes a book,
DANGEROUS DOSES: HOW COUNTERFEITERS ARE CONTAMINATING

AMERICA’S DRUG SUPPLY, documenting recent counterfeit incidents
in the U.S.

SUPPLYSCAPE CONTRIBUTES INTELLECTUAL PROPERTY FOR THE UNIVERSAL ELECTRONIC PEDIGREE INTERCHANGE FORMAT (which includes formats for the ePedigree and the ePedigree envelope) to the EPCglobal Drug Pedigree Messaging Interface Requirements Joint Working allowing companies to access and use the information for open, industry-wide interoperability.

2004

GS1 creates the FIRST STANDARD FOR THE IMPLEMENTATION AND
USE OF RFID (RADIO FREQUENCY IDENTIFICATION) CHIPS as they
start to become more common.

The work of the MIT Auto-ID Center is taken up by EPCglobal (an industry-standards organization focused on track and trace, and whose activities are merged into GS1 in 2005), and the CONCEPTS EMBODIED BY PML EVOLVE INTO THE ELECTRONIC PRODUCT CODE INFORMATION SERVICES (EPCIS) GLOBAL STANDARD.

CALIFORNIA passes aggressive legislation to clamp down on
counterfeit drugs, including MANDATED ELECTRONIC TRACKING OF
DRUGS FROM THE MANUFACTURER THROUGH THE WHOLESALER
TO THE PHARMACY, with an initial effective date of Jan. 1, 2007.

SupplyScape goes to Washington, DC to present to the FDA and pharma industry executives a demonstration of the ePedigree that would give SELF-AUTHENTICATING, IRREFUTABLE TRACK HISTORIES FOR ALL DRUG PRODUCTS, at any point in the supply chain.

The FDA publishes a report promoting the ADOPTION OF RELIABLE
MODERN TRACK AND TRACE TECHNOLOGY AIMED AT CURBING

DRUG COUNTERFEITING, including the use of RFID tags, which the
FDA concludes is feasible by 2007.

The research company Meta Group makes the surprising assertion that PHARMACEUTICAL COMPANIES’ USE OF RFID WILL OUTPACE THAT OF RETAILERS within the next year and a half.

SUPPLYSCAPE TEAMS UP WITH SUN MICROSYSTEMS INC. to provide
the Pharmaceutical Anti-Counterfeit RFID Package, a technology
solution aimed at combating counterfeit drugs entering the supply chain.

SupplyScape, in conjunction with global consulting firm CapGemini, opens an RFID
Center of Excellence, in Cambridge, MA, to allow pharmaceutical companies to conduct
an anti-counterfeiting, RFID-BASED PILOT CALLED THE DRUG SECURITY NETWORK.

2003

The FDA recalls MORE THAN 18 MILLION FAKE AND REPACKAGED
LIPITOR TABLETS from the legitimate U.S. supply chain.

A FLORIDA GRAND JURY indicts 19 people for contaminating and diluting prescription drugs needed by AIDS and cancer patients in a multimillion-dollar scheme.

An FDA task force is created to identify steps that the FDA and the private sector
can take to minimize the threat to consumers posed by counterfeit drugs, including the implementation of NEW TECHNOLOGIES-LIKE RFID.

FLORIDA Governor Jeb Bush signs a law REQUIRING PRESCRIPTION DRUG WHOLESALERS TO CARRY PEDIGREE PAPERS to prove drugs are authentic, making it a felony to sell drugs without these documents.

The SupplyScape team, along with Robin Koh (who previously worked at
MIT Auto-ID Center) collaborate with MIT’s Sanjay Sarma to APPLY IOT
AND RFID TO THE LIFE SCIENCES SUPPLY CHAIN.

SupplyScape demos ePEDIGREE AND AUTHENTICATION at CapGemini
Pharma Summit in Princeton, NJ.

SupplyScape engineers develop an innovative way to create
AN ELECTRONIC PEDIGREE FOR EVERY DRUG PRODUCT, USING TECHNOLOGY SIMILAR TO BLOCKCHAIN.

2001

Focusing efforts on “intelligent infrastructure,” the MIT Auto-ID Center publishes a paper proposing the PHYSICAL MARKUP LANGUAGE (PML), intended as “a common ‘language’ for describing physical
objects, processes and environments.”

At MIT, Dr. Sanjay Sarma and Kevin Ashton (who coined the term “Internet of Things”) co-found THE AUTO-ID CENTER (TODAY, MIT AUTO-ID LAB), which eventually develops many of the key technologies behind the EPC suite of RFID standards used today worldwide.

The WHO publishes guidelines to help member states of the WHA develop national MEASURES TO COMBAT COUNTERFEIT DRUGS.

1999

1989

GS1 creates the FIRST INTERNATIONAL STANDARD
FOR ELECTRONIC DATA INTERCHANGE.

1988

The World Health Assembly (WHA) adopts a resolution that requests the World Health Organization (WHO) to initiate PROGRAMS TO PREVENT ACTIVITY AROUND COUNTERFEIT PHARMACEUTICAL DRUGS.

The PRESCRIPTION DRUG MARKETING ACT OF 1987 (PDMA) is
signed into law to increase safeguards in the U.S. prescription drug
distribution system, and requires drug pedigrees aimed to provide full
traceability of drug products in the supply chain.

SupplyScape launches RxAuthentication service, THE INDUSTRY’S FIRST
EPC VERIFICATION SERVICE FOR DRUG PRODUCTS.

SupplyScape co-founder LUCY DEUS SERVES AS TECHNICAL
EDITOR OF EPCGLOBAL’S DRUG PEDIGREE MESSAGING
STANDARD (DPMS), the first industry standard for the exchange of
data used for drug traceability.

THE NEW ENGLAND COMPOUNDING CENTER manufactures steroids with expired and contaminated ingredients and is blamed for A MENINGITIS OUTBREAK that infects 750 and kills 64 people, prompting new federal and state laws to better regulate compounding pharmacies, and expediting creation of the related DQSA.

THE U.S. DRUG QUALITY & SECURITY ACT (DQSA) is introduced
in the House of Representatives by Rep. Fred Upton, in an effort
to replace a patchwork of state regulations with a unified, national
law to safeguard the prescription drug supply.

Shabbir Dahod, Peter Spellman, and Robin Koh, along with Lucy Deus, Craig Leckband, and Brenda Kelly, launch SUPPLYSCAPE CORP., in Cambridge, Massachusetts.

TraceLink surpasses 1,000 CUSTOMERS AND 1 BILLION COMMISSIONED SERIAL NUMBERS

TraceLink team grows to MORE THAN 500+ EMPLOYEES, OVER 1 BILLION SERIAL NUMBERS ARE NOW COMMISSIONED PER QUARTER

2018

2019