



Digital transformation in the sector: a global perspective

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1 December 2022

Welcome

Anne Godfrey

**CEO
GS1 UK**



GS1 UK's purpose



We **harness** the
power of **standards**
to transform the way
people work and live

We are a global network



116

GS1 member organisations



6 billion

GS1 barcodes scanned daily



2 million +

Companies use GS1 standards



100 million

Products carry GS1 barcodes



Our UK membership

13,862



new members

9% (net)



increase in membership



59,190

total membership

Our construction members



5,100

construction members

Everything we do is built on standards

GS1 standards enable the **identification, capture** and **sharing** of information in a common format.



IDENTIFY



CAPTURE



SHARE

Our approach



Efficient, effective supply chains

Helping industry be more efficient and more resilient by providing real time supply chain insights.



Informed, protected consumers

Putting key product information in the palm of consumers' hands - with a simple scan.



Standards into action

Demonstrating a pragmatic approach to solving problems online, in store, on a construction site or on the ward.

Key drivers of digital transformation



Safety



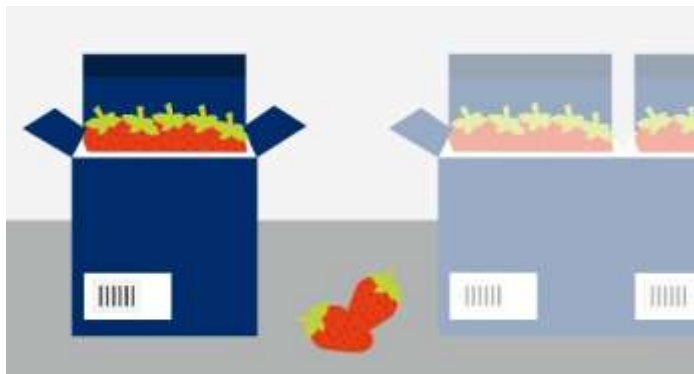
Sustainability



Traceability

Standards in action – supply chain

Grower



GS1 standards are used to identify locations and items at the start of the food supply chain.

Manufacturer



Location information is assigned at the manufacturer and used to identify locations including factories and loading docks. Other GS1 standards are used to identify pallets that enable the tracking of shipments.

Transport and logistics



GS1 standards are used to identify trade items, logistics units and warehouse locations.

Standards in action – retail

Retail distribution centre



GS1 electronic messaging standards are used to verify receipt of cases and pallets from the wholesaler or distributor.

Retailer



GS1 Global Trade Item Numbers (GTINs) and corresponding batch/lot numbers and sell by dates encoded into a GS1 barcode are used to drive inventory replenishment, and help enhance product traceability and more precise recalls.

Consumer



GS1 standards support different fulfilment options, whether delivery to home, work, Pick Up Drop Off (PUDO) or collect-in-store. Global Trade Item Numbers (GTINs) help locate product availability, Global Location Numbers (GLNs) help identify pick-up and store locations.

Standards in action - healthcare

People



GS1 standards are used to uniquely identify patients and staff, allowing for greater visibility throughout a patient's care journey to improve patient safety.

Products



GS1 standards are used to uniquely identify, track and trace products and devices as they are transferred through the supply chain and along the patient pathway.

Places



Organisations and their locations, (departments, shelves or patient bays) are identified using GS1 standards to enable full traceability to the point of care/use.

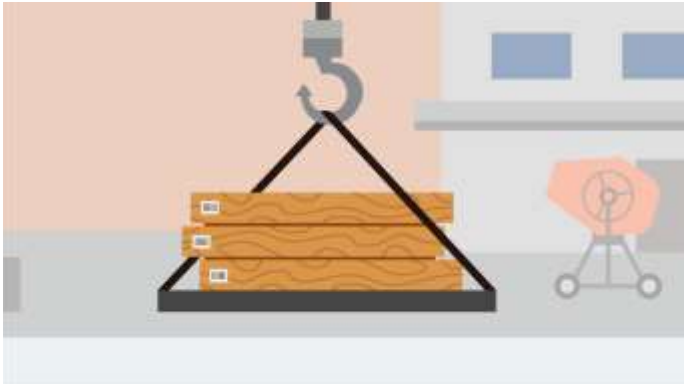
Assets



Assets used including oxygen bottles, medical equipment and monitors, are identified and tracked using GS1 standards so the right equipment is in the right place when needed.

GS1 standards in construction

Products



GS1 standards enable the identification, capture and sharing of product data across the supply chain and built environment.

Places



Global Location Numbers (GLNs) enable the unique identification of parties and locations, improving processes such as EDI and traceability.

Assets



Assets such as air handling units, boilers and plant equipment can be uniquely identified using the Global Individual Asset Identifier (GIAI), meaning they can be better managed throughout their lifecycle.

Powering progress

Iain Walker

**Industry engagement director
GS1 UK**



Why now?

Navigate uncertainty – together - across the sector.



**Inflation,
Ukraine,
material
shortages**



**ESG, supply
chain
trust and
transparency**



**Legislation,
identification
and
reliability**



**Data needed
from plan to
management**

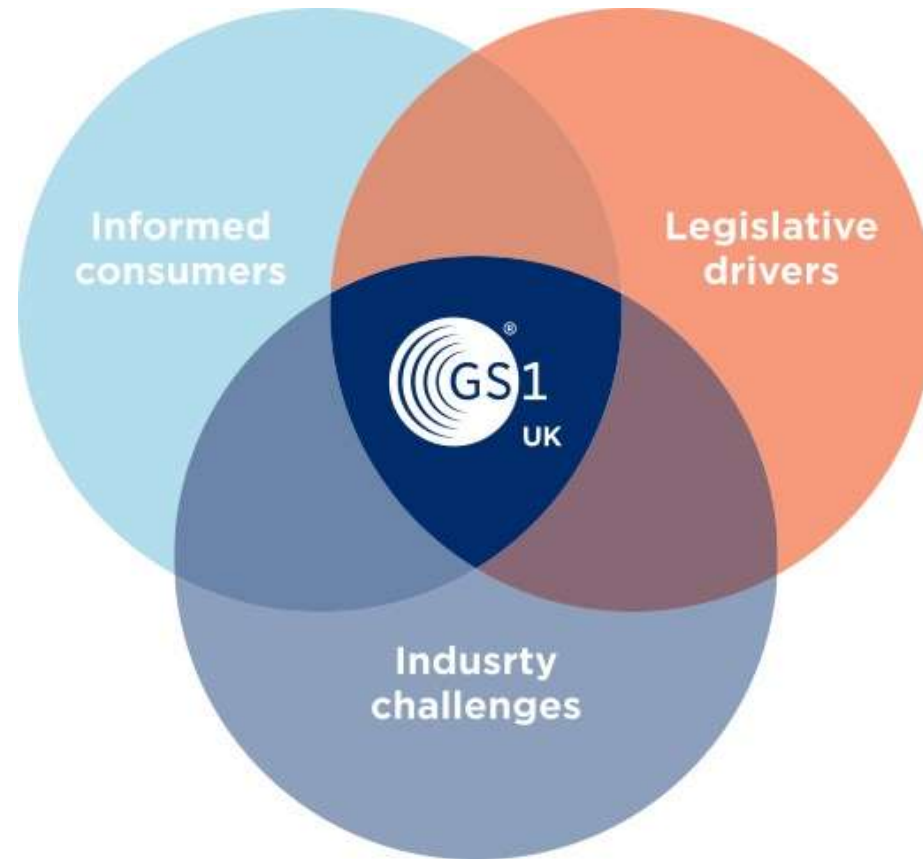


**Automation,
future facing,
inspiring**

The role of standards in a changing industry

Transparency through digitisation

Procurement & supply chain efficiency



Building Safety Act needs accurate product identification to deliver the golden thread

The Building Safety Act

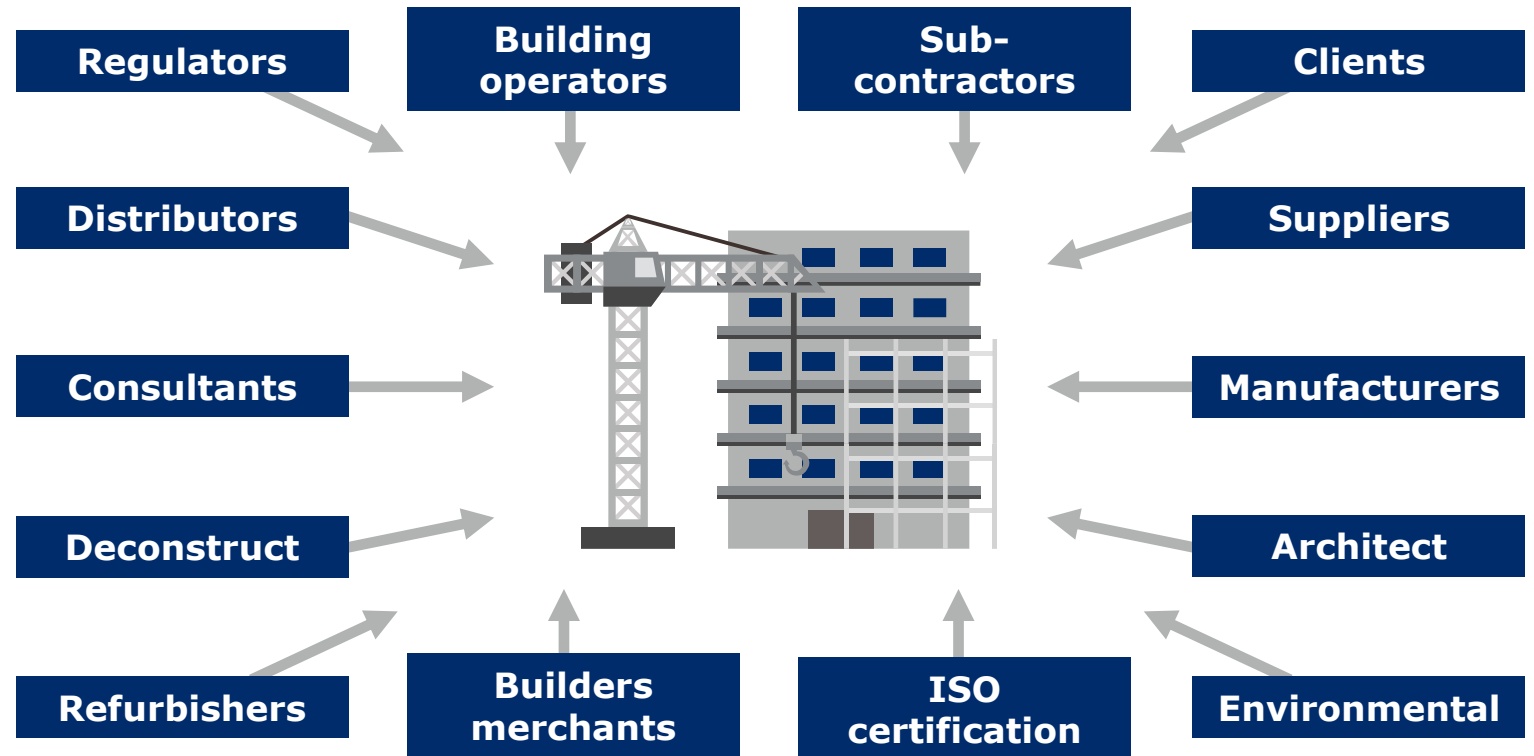
The screenshot shows the GOV.UK website page for the Building Safety Act. The page title is "Guidance: The Building Safety Act". It provides information about the act, which was granted Royal Assent on 28 April 2022. The page is from the Government for Levelling Up, Housing and Communities, published on 25 July 2022. It includes a "Share this page" button, a "Print this page" button, and a "Feedback" button. The main content area is titled "Guidance: The Building Safety Act" and includes sections for "Applies to England:", "Related content:", "Contents:", and "Share this page:". The "Contents" section lists various topics such as "Introduction", "What the Act means for residents of higher-risk buildings and tenants", "What the Act means for building owners", "Building Safety Act documentation", and "Consultation on regulatory legislation". The "Share this page" section explains that the act means ground breaking reforms to give residents and businesses more rights, powers, and protections - so that the quality of the buildings we live and work in is better. It also mentions that it delivers far-reaching reforms for qualifying leaseholders to give them the control, associated with remedying historical building safety defects, and an additional route of redress that will allow those responsible for building safety defects to be held to account. The act also creates three new bodies to provide effective oversight of the new regime: the Building Safety Regulator, the National Regulator of Construction Products, and the New Homes Ombudsman. Together these changes mean systems will manage their buildings better, and the home building industry has the clear, proper legal framework it needs to deliver more, and better, high-quality homes. Many of the detailed provisions in the Act will be implemented over the next few years through a programme of secondary legislation.

The screenshot shows the National Archives page for the Building Safety Act 2022. The page title is "Act 2022". It includes a search bar, a "Home" button, and a "Search" button. The main content area is titled "Act 2022" and includes a "Table of Contents" section. The "Table of Contents" section lists various sections of the act, such as "Part 1: Introduction", "Part 2: Building Safety Regulator", "Part 3: Building Safety Act 2022", "Part 4: Building Safety Act 2022", "Part 5: Building Safety Act 2022", "Part 6: Building Safety Act 2022", "Part 7: Building Safety Act 2022", "Part 8: Building Safety Act 2022", "Part 9: Building Safety Act 2022", "Part 10: Building Safety Act 2022", "Part 11: Building Safety Act 2022", "Part 12: Building Safety Act 2022", "Part 13: Building Safety Act 2022", "Part 14: Building Safety Act 2022", "Part 15: Building Safety Act 2022", "Part 16: Building Safety Act 2022", "Part 17: Building Safety Act 2022", "Part 18: Building Safety Act 2022", "Part 19: Building Safety Act 2022", "Part 20: Building Safety Act 2022", "Part 21: Building Safety Act 2022", "Part 22: Building Safety Act 2022", "Part 23: Building Safety Act 2022", "Part 24: Building Safety Act 2022", "Part 25: Building Safety Act 2022", "Part 26: Building Safety Act 2022", "Part 27: Building Safety Act 2022", "Part 28: Building Safety Act 2022", "Part 29: Building Safety Act 2022", "Part 30: Building Safety Act 2022", "Part 31: Building Safety Act 2022", "Part 32: Building Safety Act 2022", "Part 33: Building Safety Act 2022", "Part 34: Building Safety Act 2022", "Part 35: Building Safety Act 2022", "Part 36: Building Safety Act 2022", "Part 37: Building Safety Act 2022", "Part 38: Building Safety Act 2022", "Part 39: Building Safety Act 2022", "Part 40: Building Safety Act 2022", "Part 41: Building Safety Act 2022", "Part 42: Building Safety Act 2022", "Part 43: Building Safety Act 2022", "Part 44: Building Safety Act 2022", "Part 45: Building Safety Act 2022", "Part 46: Building Safety Act 2022", "Part 47: Building Safety Act 2022", "Part 48: Building Safety Act 2022", "Part 49: Building Safety Act 2022", "Part 50: Building Safety Act 2022", "Part 51: Building Safety Act 2022", "Part 52: Building Safety Act 2022", "Part 53: Building Safety Act 2022", "Part 54: Building Safety Act 2022", "Part 55: Building Safety Act 2022", "Part 56: Building Safety Act 2022", "Part 57: Building Safety Act 2022", "Part 58: Building Safety Act 2022", "Part 59: Building Safety Act 2022", "Part 60: Building Safety Act 2022", "Part 61: Building Safety Act 2022", "Part 62: Building Safety Act 2022", "Part 63: Building Safety Act 2022", "Part 64: Building Safety Act 2022", "Part 65: Building Safety Act 2022", "Part 66: Building Safety Act 2022", "Part 67: Building Safety Act 2022", "Part 68: Building Safety Act 2022", "Part 69: Building Safety Act 2022", "Part 70: Building Safety Act 2022", "Part 71: Building Safety Act 2022", "Part 72: Building Safety Act 2022", "Part 73: Building Safety Act 2022", "Part 74: Building Safety Act 2022", "Part 75: Building Safety Act 2022", "Part 76: Building Safety Act 2022", "Part 77: Building Safety Act 2022", "Part 78: Building Safety Act 2022", "Part 79: Building Safety Act 2022", "Part 80: Building Safety Act 2022", "Part 81: Building Safety Act 2022", "Part 82: Building Safety Act 2022", "Part 83: Building Safety Act 2022", "Part 84: Building Safety Act 2022", "Part 85: Building Safety Act 2022", "Part 86: Building Safety Act 2022", "Part 87: Building Safety Act 2022", "Part 88: Building Safety Act 2022", "Part 89: Building Safety Act 2022", "Part 90: Building Safety Act 2022", "Part 91: Building Safety Act 2022", "Part 92: Building Safety Act 2022", "Part 93: Building Safety Act 2022", "Part 94: Building Safety Act 2022", "Part 95: Building Safety Act 2022", "Part 96: Building Safety Act 2022", "Part 97: Building Safety Act 2022", "Part 98: Building Safety Act 2022", "Part 99: Building Safety Act 2022", "Part 100: Building Safety Act 2022".

A complex landscape needs consistent data

- Unstructured data
- Own terms and definitions
- Manual data transfer
- Siloed systems

- Increased administration
- Increased cost
- Lack of visibility
- Wasteful and inefficient



Why GS1 standards matter



Part no.
P012

EATON
Plate switch



Part no.
P012

Hager
Shutter/infill strip

The impact of misidentification



Time loss



Extra cost



**Delivery
impact**

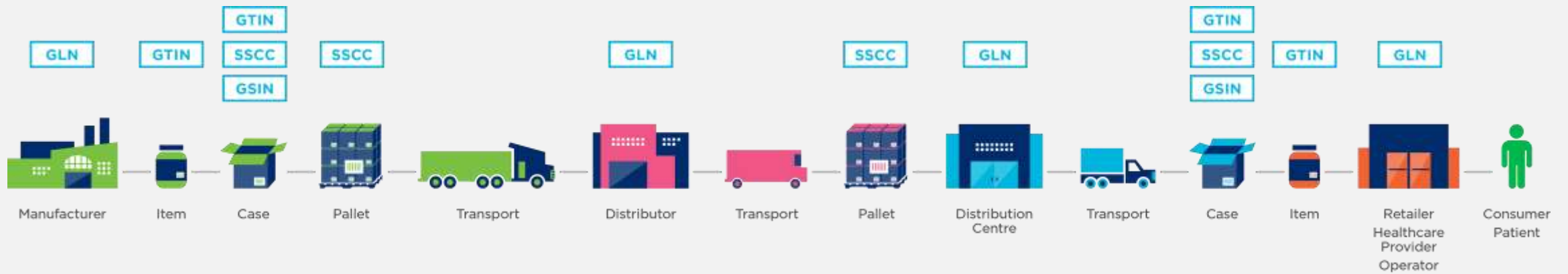


**Trade
restrictions**



**Loss of
orders**

How GS1 standards work



GS1 standards: facilities management



GS1 standards around the world

Iain Walker

**Industry engagement director
GS1 UK**



Ireland

“The future is having everything at our fingertips... it’s positive for patients, staff and the maintenance staff working in this environment.”

**Peadar Hanlon, engineering officer
Children’s Health Ireland**

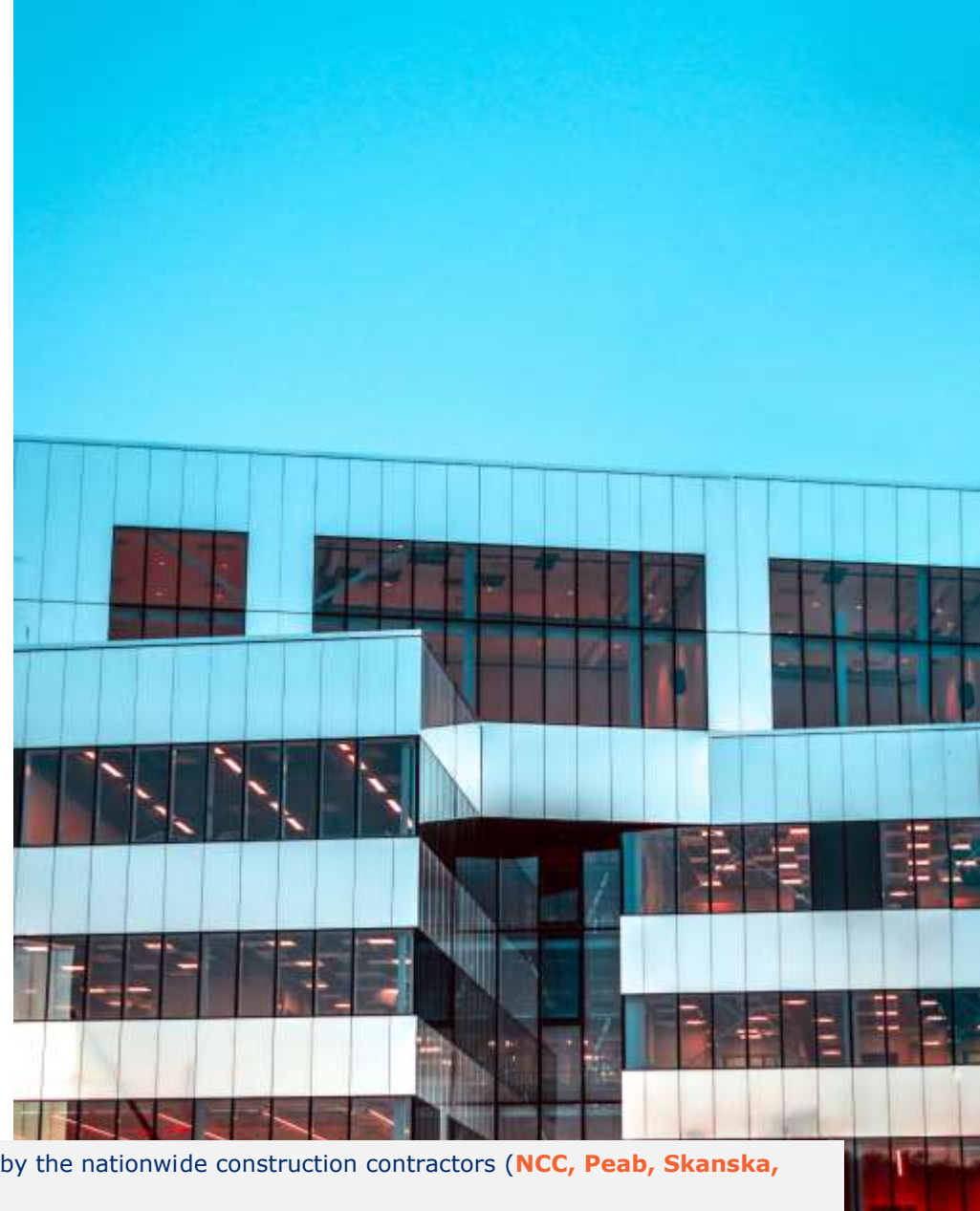


Sweden

“With GTIN as a standard in the construction industry, we enable both traceability in the construction process and that unique data can be linked to each product in the digital information flow.”

Lennart Skog, category manager, NCC

GTIN (Global Trade Item Number) as a common identifier of construction products. The recommendation is backed by the nationwide construction contractors (**NCC, Peab, Skanska, JM, Veidekke, Bygghandlarna, Bygghandlarna and BIM Alliance**)



Norway

"The fact that we have now managed to carry out 80 per cent of a trading process digitally is a clear message to industry players that this is possible to achieve for everyone."

Aleksander Bjaaland, CEO, Holte



Finland

“The GTIN standard that identifies products, materials and prefabricated products, together with widely used product databases, enables a significant digital leap in the real estate and construction industry. We must take this leap together!”

Miro Ristimäki, digital group director of Skanska's digital services



Australia

“Makes sure it gets to where it needs to be when it has to be there. One scan, all collected – done!”

Pat Mahony, manufacturing manager, Pandrol



GS1 global centre of excellence

We are working with our colleagues around the world to leverage their expertise and solve the problems together.



**Sharing
experience
of standards
adoption**



**Developing
GS1 standards**



**Shaping
policy**



**Collaborating
with associations**

Collaborating with the UK construction sector

Iain Walker

**Industry engagement director
GS1 UK**



Our approach



**Relevant
proposition**



**Industry
collaboration**



**Leveraging our
global network**

Collaborating with industry



Ease of adoption



ETIM
UK



LUCKINSlive

co**builder**



Our purpose



We **harness** the
power of **standards**
to transform the way
people work and live

Get in touch

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