

The logo consists of the letters 'FIS' in a bold, white, sans-serif font with a thick black outline. The letters are centered horizontally and vertically in the upper half of the image.

FIS

FINISHES & INTERIORS SECTOR

The background of the entire image is a purple-tinted photograph of railway tracks receding into the distance. The tracks are made of metal rails and wooden sleepers, and they converge towards the horizon. The overall color scheme is a monochromatic purple.

Transformation through information

Opening from the Chair – Iain McIlwee, FIS Chief Executive

Getting product information right

Jolyon Berg, Head of Technical, CCF

Digital tools that are transforming construction

John Roberts, Engineering Consultant, Priestland Consulting

Building digital strategies and a culture of data

Helen Gawor, Group Director of Strategy & Innovation, ISG



Iain McIlwee
Chief Executive, FIS



Jolyon Berg

Head of Technical, CCF

Getting product
information right



CCF



GETTING PRODUCT INFORMATION RIGHT

**THE RIGHT INFORMATION
IN THE RIGHT HANDS**

Jol Berg
Head of Technical
jolyon.berg@ccfltd.co.uk

WHO ARE CCF?

- We are at the heart of the supply chain
- Connecting **manufacturers** with **contractors**

CCF

PART OF THE TRAVIS PERKINS GROUP <

The UK's largest distributor of building materials

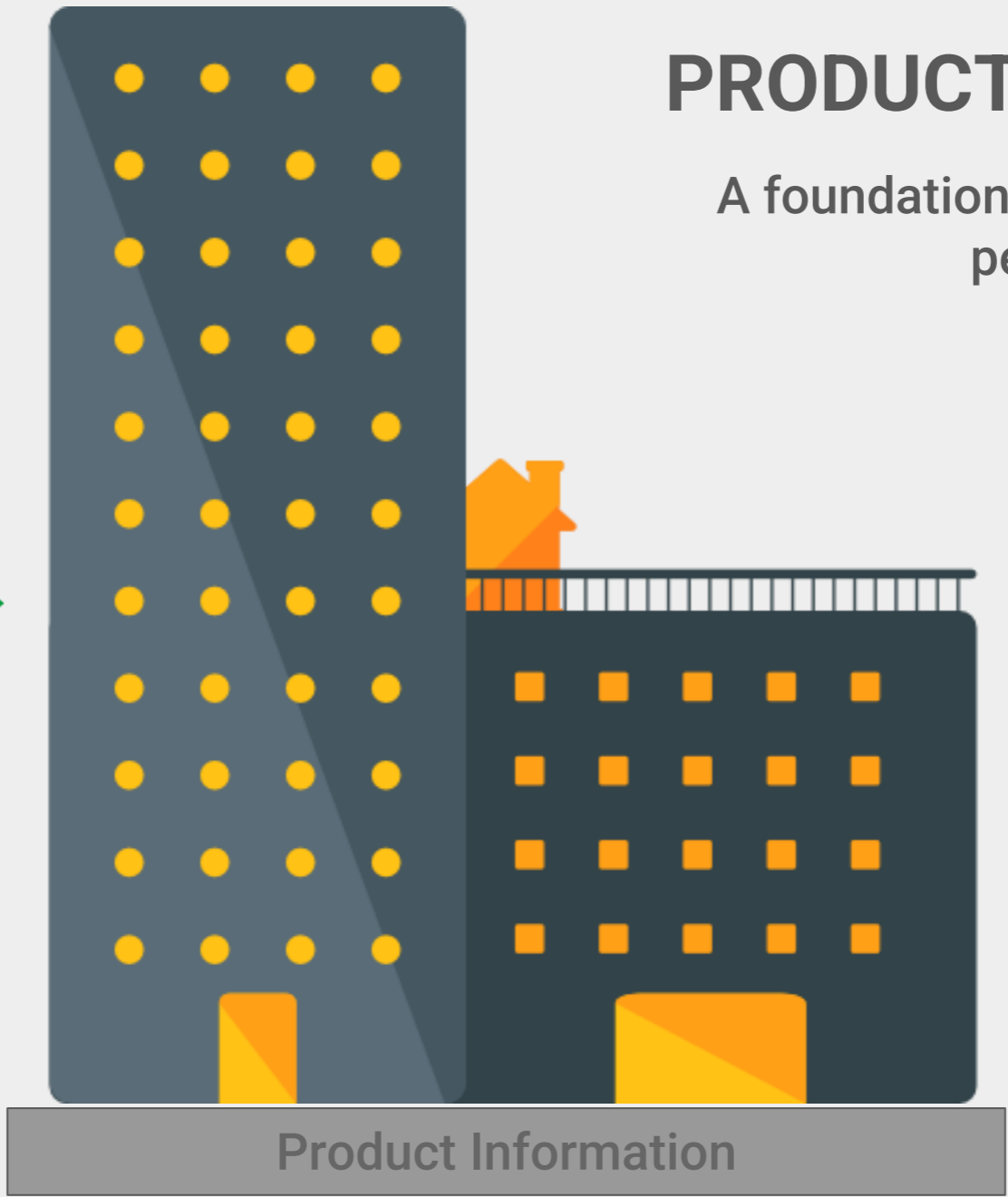
CCF <

Specialist distributor of drylining, insulation and ceilings products

OUR AMBITION <

Smart distributor of the future and leading partner to the construction industry





PRODUCT INFORMATION

A foundation of building safety and performance

Is it right?



Do the right people have it?



THE PRODUCT JOURNEY



A complicated journey

But what about the data?

THE ROLE OF DISTRIBUTION

Product Data, Golden Thread & Product Traceability

CUSTOMER NEEDS

We know our main contractor / housebuilder customers need this solution to support Golden Thread.

70% of construction products are via distribution - we are the unlocker for it.

ENABLING GOLDEN THREAD

As the leading partner we wanted to **challenge** ourselves & the supply chain **to develop a scalable solution** to tracing products.

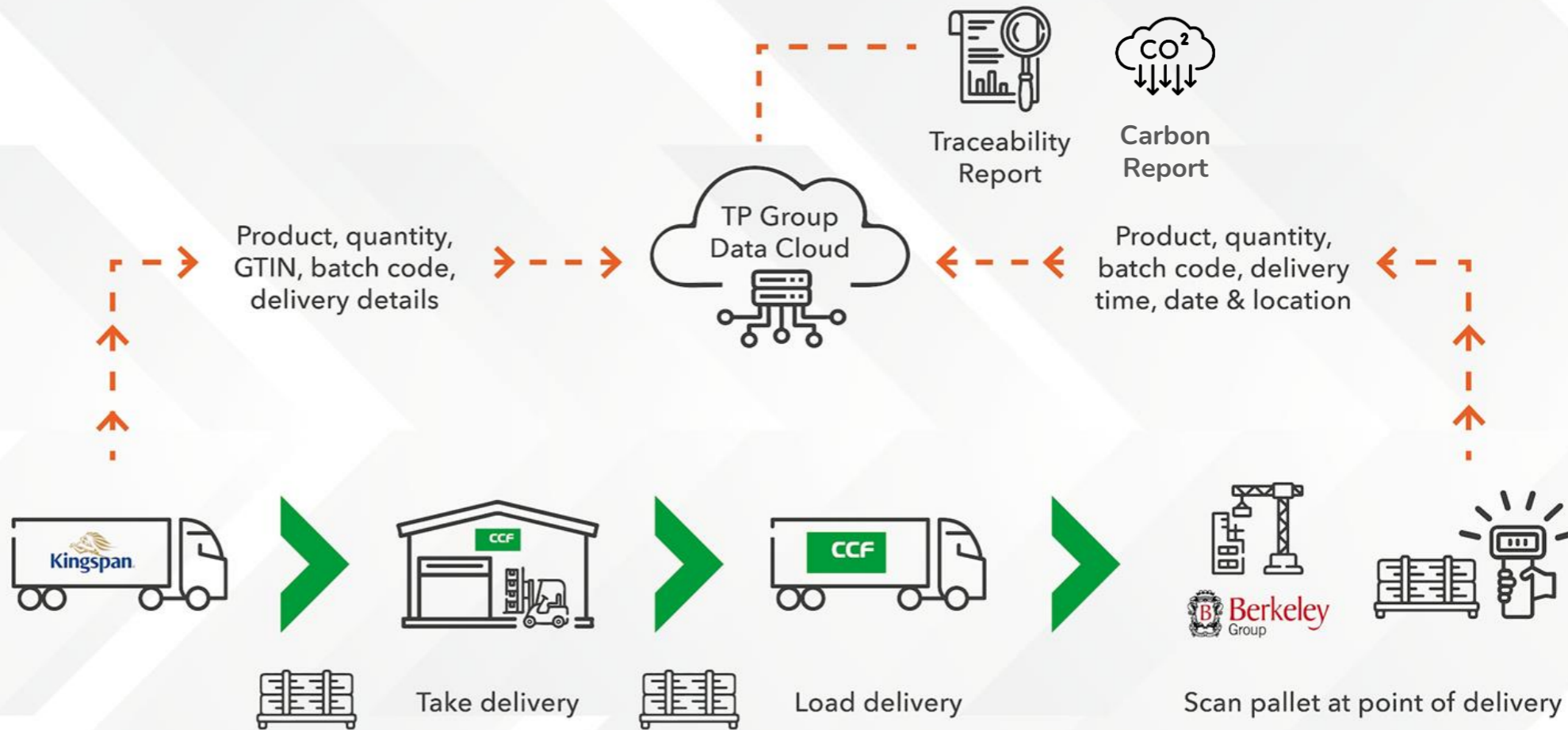
NOT ON OUR OWN

We are working in partnership with the supply chain.



DEVELOP A PRODUCT TRACING SOLUTION FOR THE **CONSTRUCTION INDUSTRY**





WHAT HAVE WE DONE **SO FAR?**

DEVELOPED A POC:

- Pallet level **traceability**
- From **factory gate** to **construction site gate**

INVESTED IN INFRASTRUCTURE:

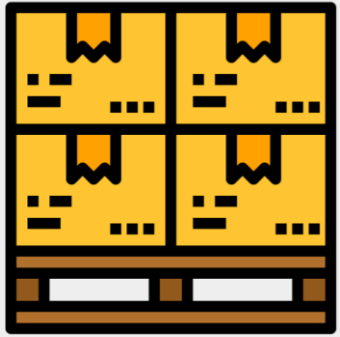
- Linking up with **manufacturers**
- **Scanning** on site

TRIAL TO BEGIN:

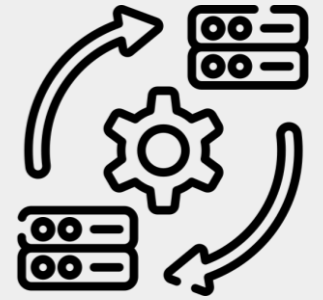
- 2023 **small scale**
- 2024 **Scale to many sites**

CREATING THE **TECHNOLOGY** & **ESTABLISHING THE PROCESS**

WHAT HAVE WE **LEARNT** SO FAR?

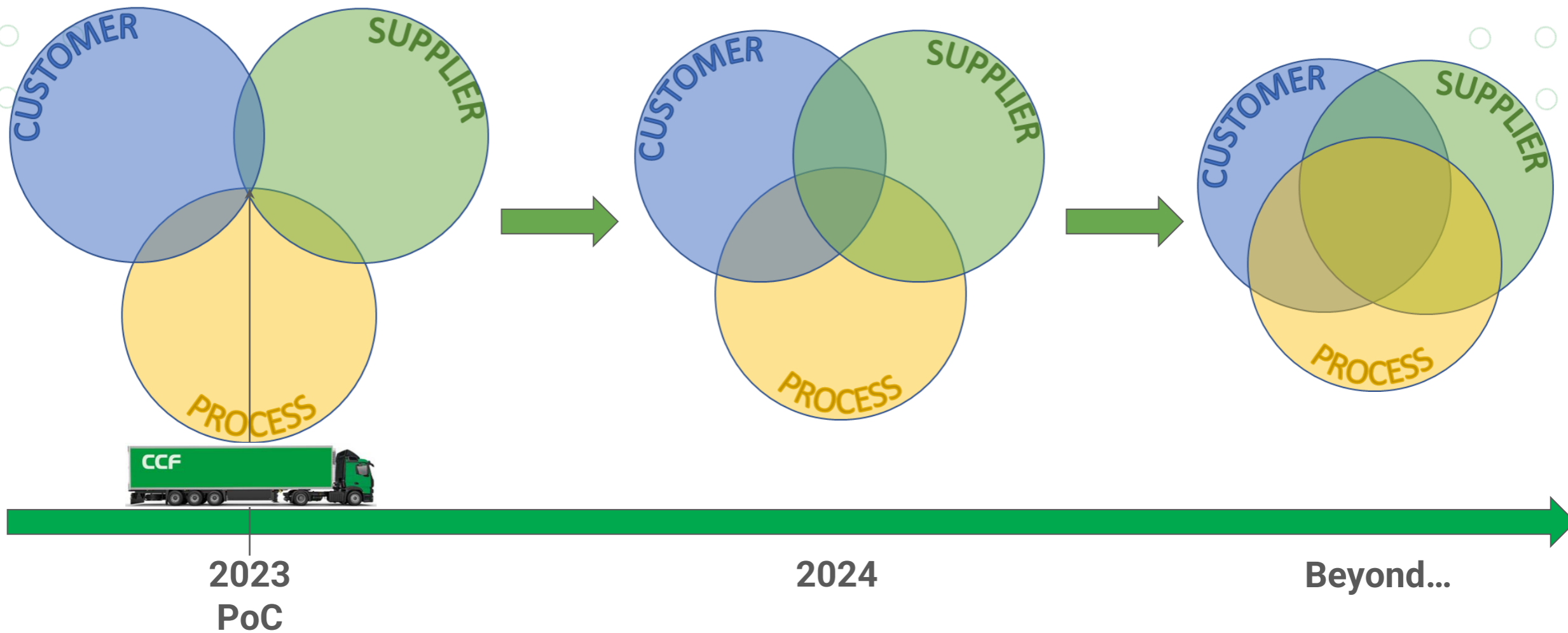


The Data



- Format
- Variation
- Ownership & sharing

WHAT'S NEXT



CCF



THANK YOU FOR LISTENING

**INTERESTED IN THE NEXT STAGES?
GET IN TOUCH**

jolyon.berg@ccfltd.co.uk
07385 038646



John Roberts

Engineering Consultant
Priestland Consulting

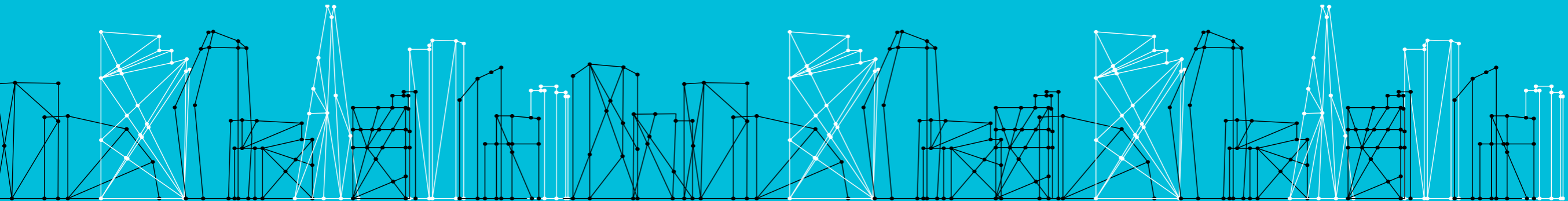
Digital tools that are
transforming construction

Priestland Consulting Ltd

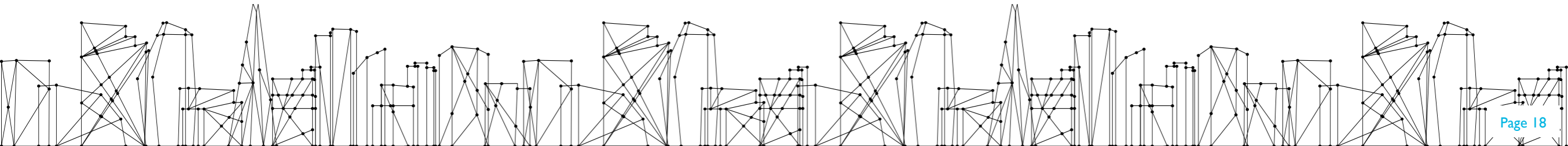


Workspace Design Show London 2024
27th February 2024

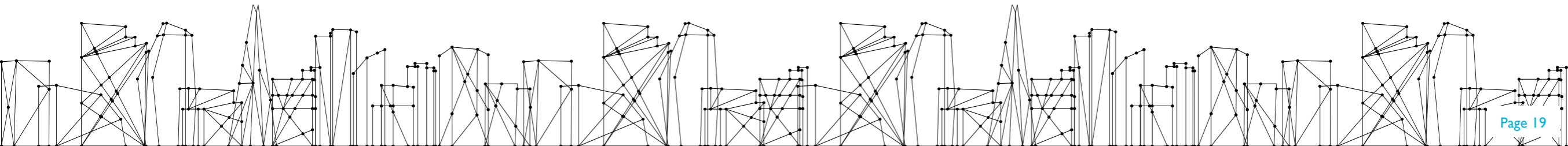
Digital Tools that are Transforming Construction



Who builds stuff?



We are all information processors



Do we think enough about the quality of our exchanged information?



Low productivity

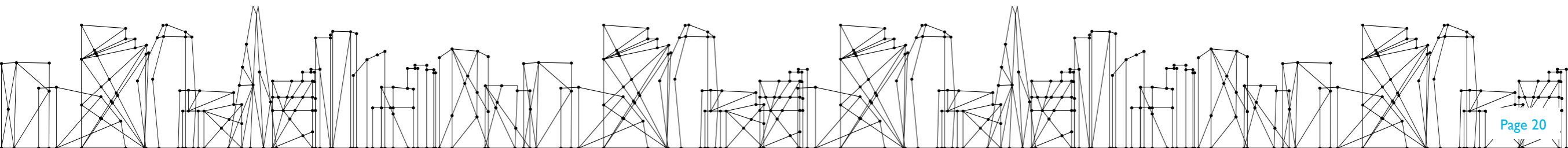
Happy lawyers

Waste generated

Disappointing profits

Maintenance issues

“Is this a good RIBA Stage 4?”



.... And then Grenfell



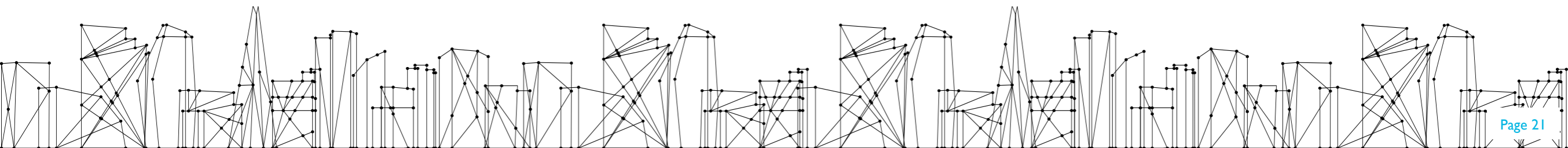
BIM



The
Building
Safety Act

And we want.....

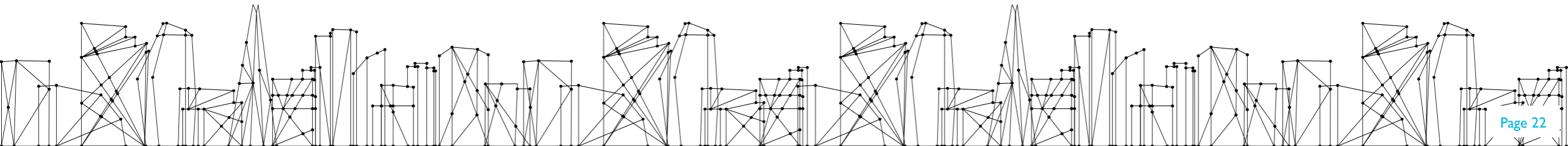
- Higher quality
- Lower cost
- Climate crisis, and
- New technologies



Digital Transformation

Digital Disruption

Digital Liberation?

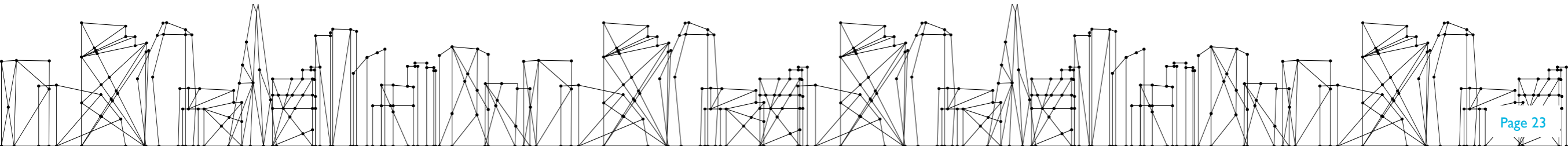


What is “construction technology”?

The US Construction Industry Institute (CII) defines¹ it as:

“...the collection of innovative tools, machinery, modifications, software, etc. used during the construction phase of a project that enables advancement in field construction methods, including semi-automated and automated construction equipment.”

To which we would add: design and other pre-construction activities, that impact on construction productivity and are an inherent part of the process.

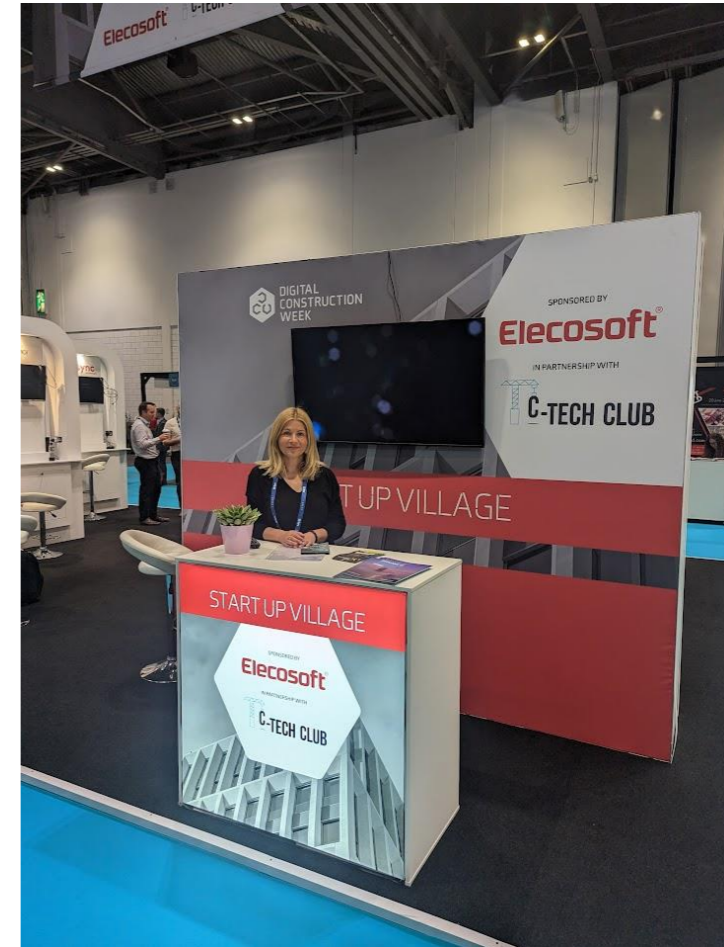


What is the C-Tech Club?

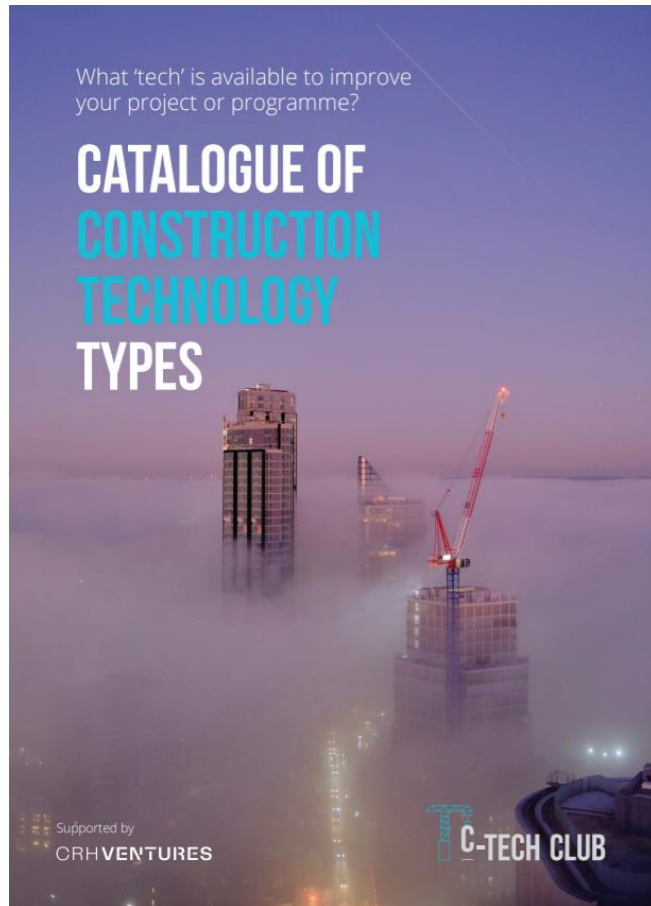
The **C-Tech Club** is a global community of founders and CEOs of construction technology start-ups. It now totals 406 founders in 30 countries.

We think that it is the largest group of independent innovators in construction.

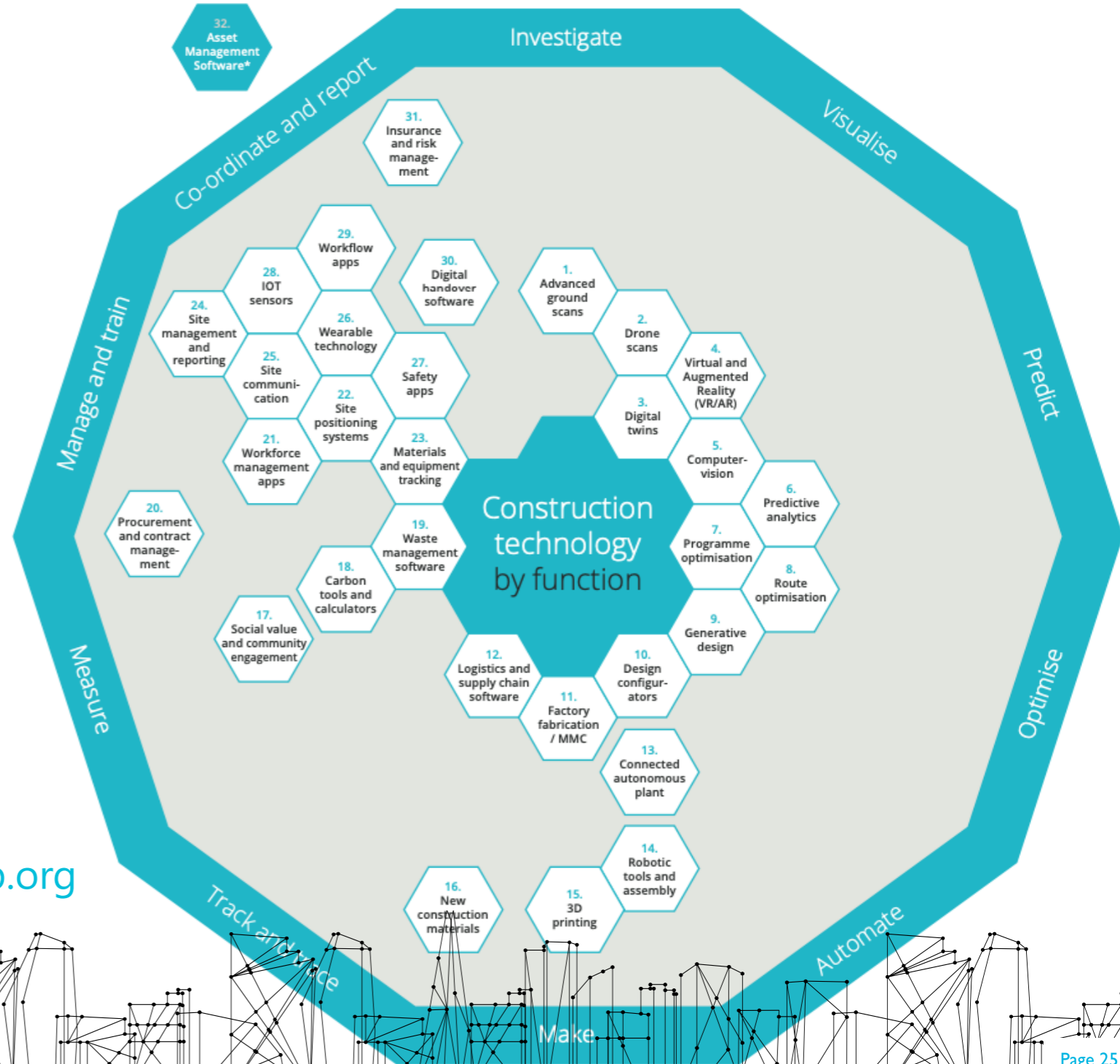
C-TECH CLUB



The C-Tech Club Catalogue lists 31 categories of construction technology



Available at:
www.c-techclub.org

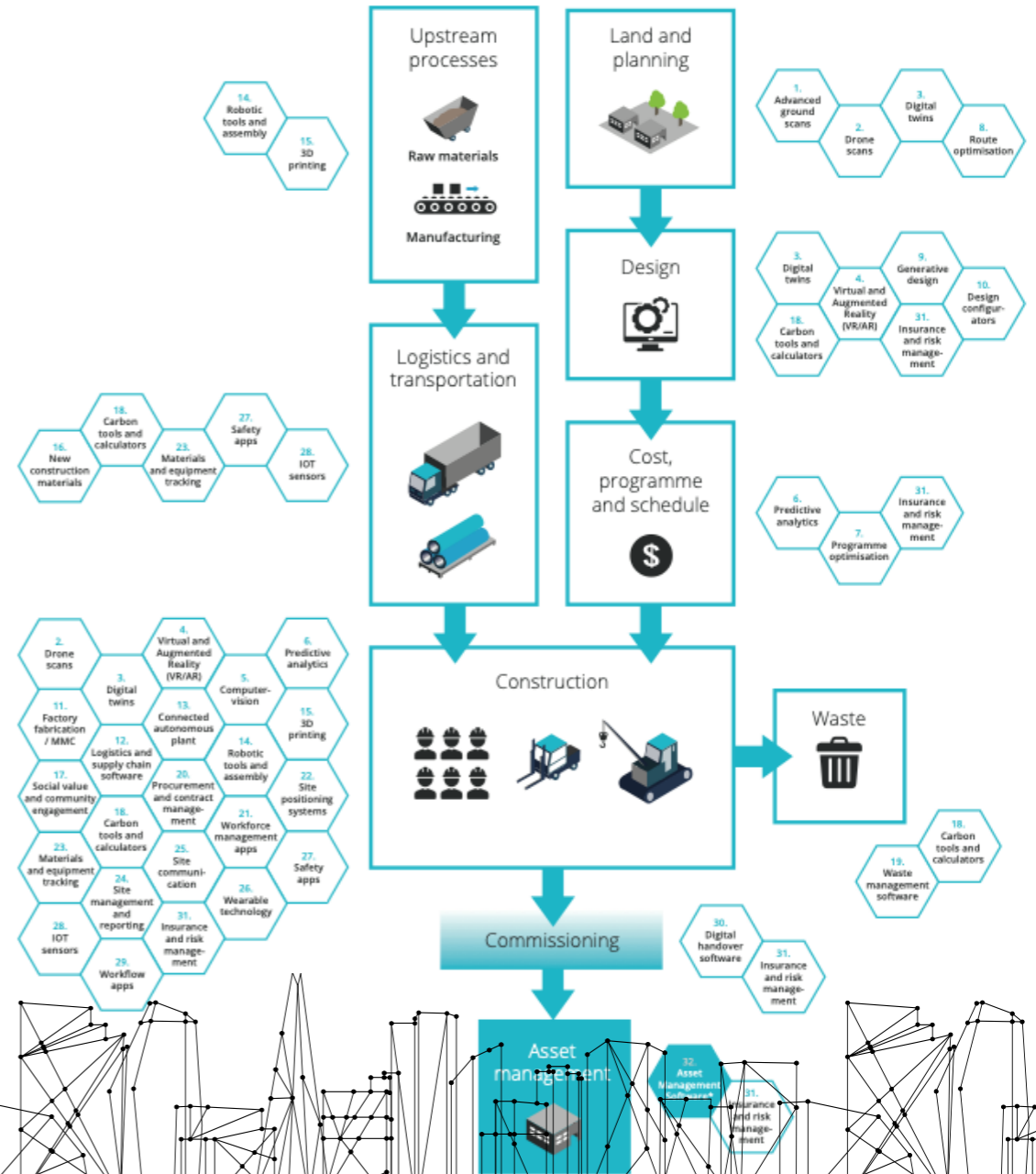


What 'tech' is available to improve your project or programme?

- Understand clearly what it is you want and need to do
- Find and configure combinations of solutions that augment and power you overall process

Technology by project stage.

We can also map the construction technology types by the stage of the project to which they relate...



Most relevant to fit-out and interiors?

12.
**Logistics &
supply chain
software**

16.
**New
construction
materials**

19.
**Waste
management
software**

20.
**Procurement
and contract
management**

21.
**Workforce
management apps**

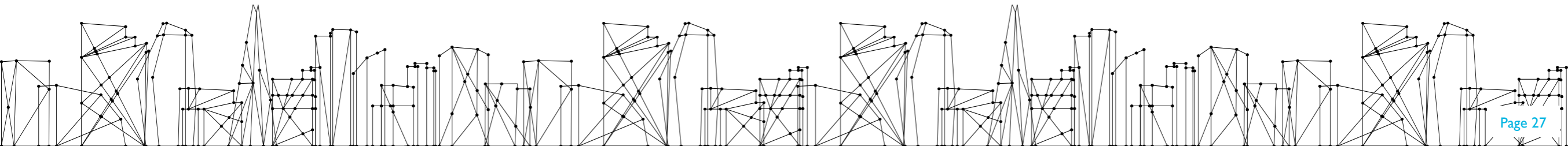
25.
**Site
communication
apps**

27.
Safety apps

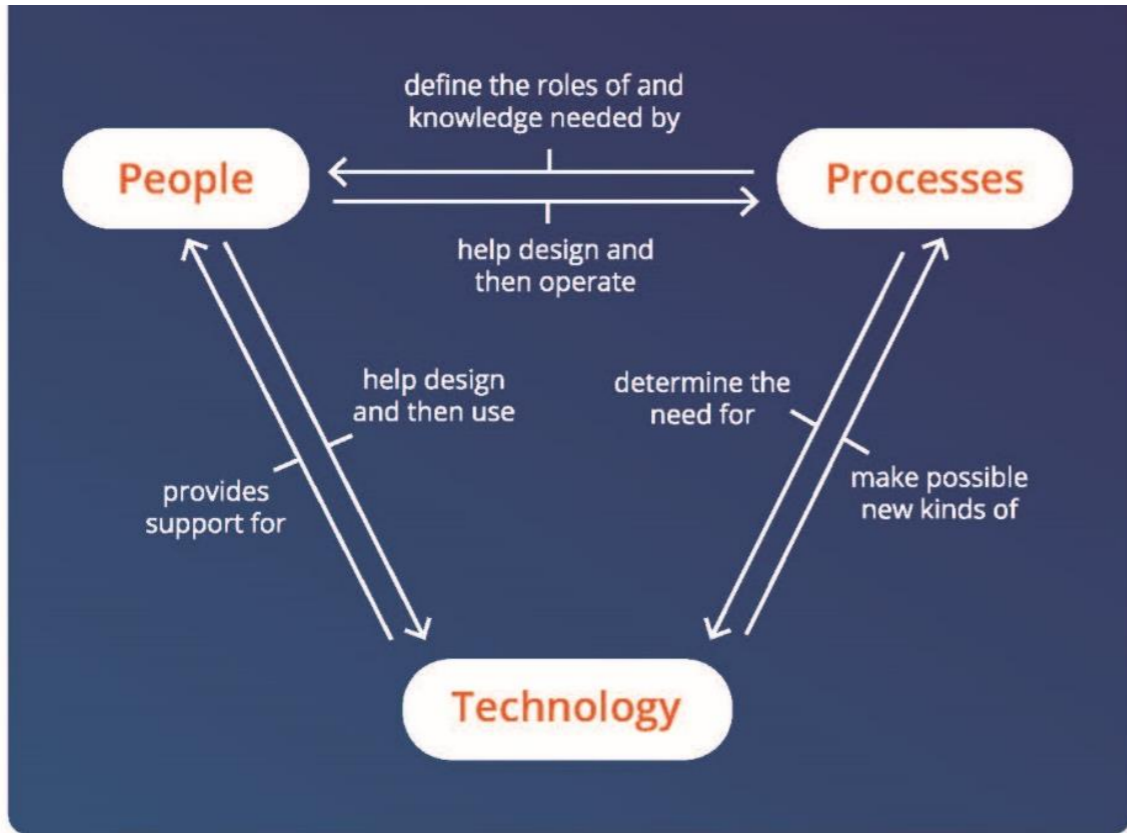
29.
Workflow apps

- Auditing information in and out
- Automating suitable tasks
- Better records

- Allow more focus on adding value
- A coherent basis for the Golden Thread, carbon accounting and new technology



Business improvement is the combination of people, process and technology



In summary

- Apply C-Tech so it enhances your own processes
- It shouldn't be something 'done to you'
- There is an expanding ecosystem of C-Tech that could be part of your process
- The GIRI report collates great experience from our sector

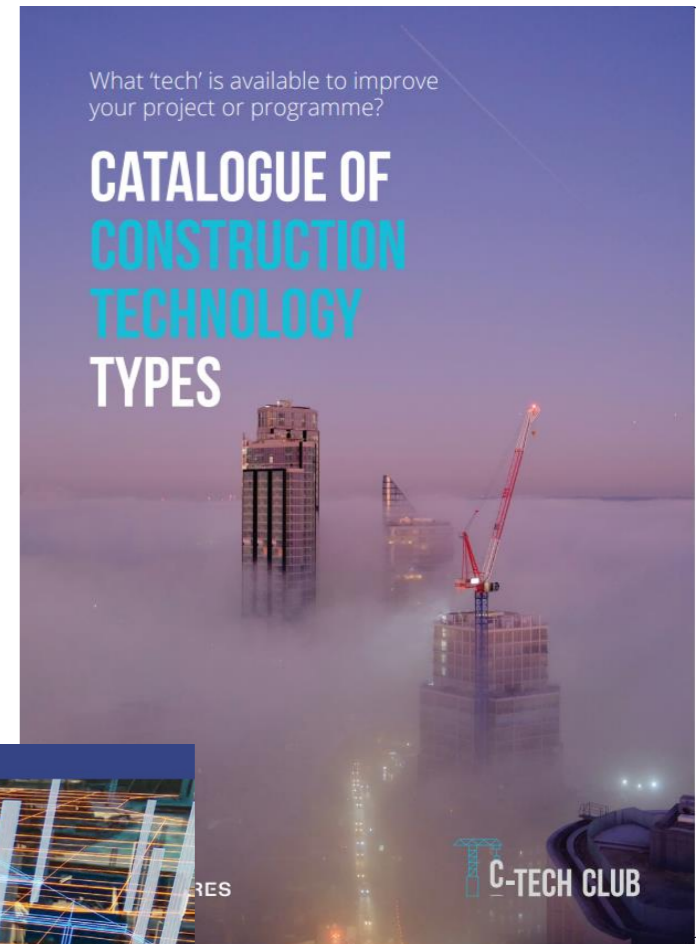
Website: www.c-techclub.org

Email: info@c-techclub.org

Twitter: @ctechclub1

LinkedIn: c-tech-club

C-TECH CLUB





Helen Gawor

**Group Director of Strategy &
Innovation, ISG**

**Building digital strategies
and a culture of data**

Digital strategy and embedding a data culture

Helen Gawor
Director of Strategy & Innovation

Biggest reason
digital transformation fails
is because capability
sits in silos.

Building blocks of digital transformation



Digitisation of data for accessibility.

Procedures that maintain accurate, up to date data sets with data quality processes.

Data and analysis is accessible to all that need it and insights actively applied to decision making.

Leadership and team to implement and adopt new digitalized processes, technology and manage data.

A data process that delivers ROI

1 Data Collection



2 Data Preparation



3 Data Visualization



4 Data Analysis



5 Data Storytelling



www.effectivedatastorytelling.com

QUALITY

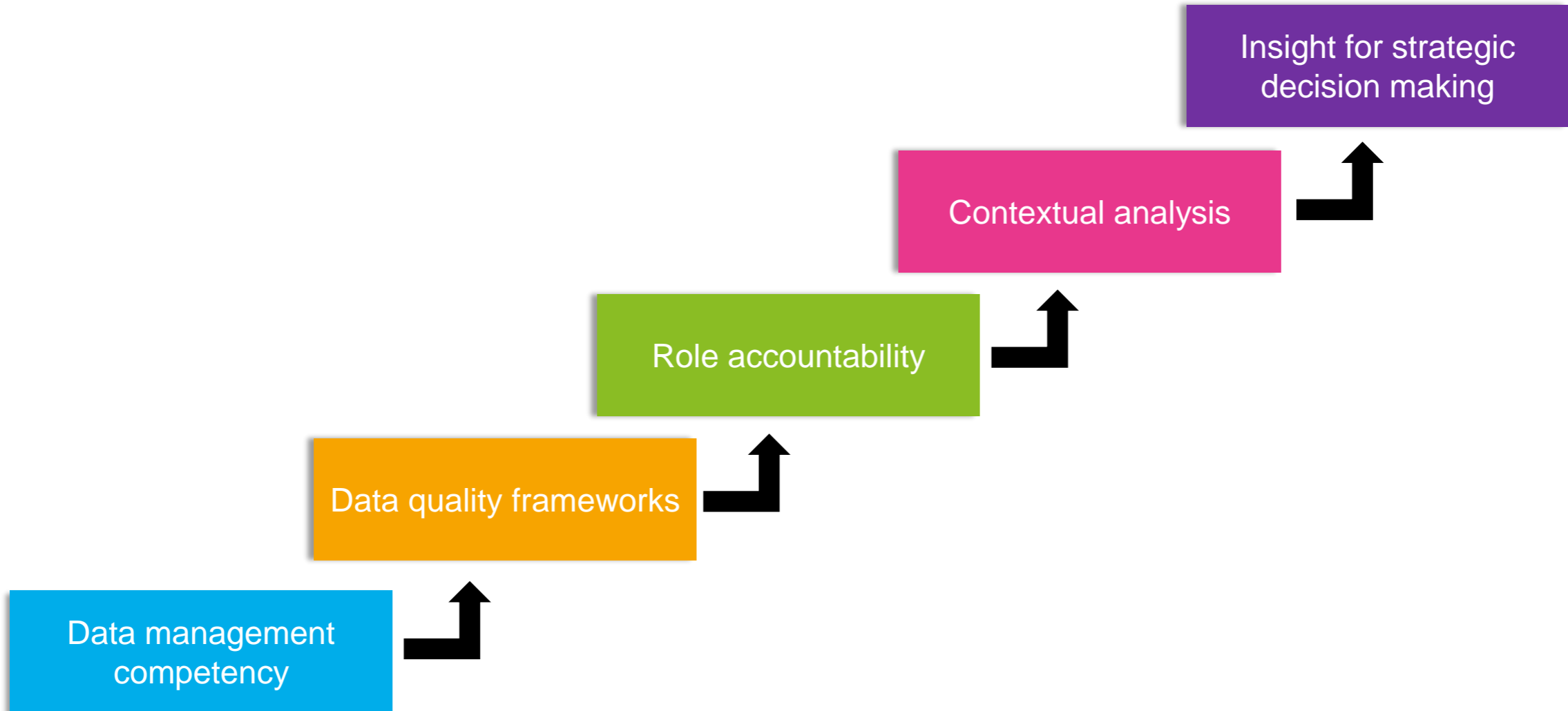
CONTEXT



**Data informs
decision
making...**

**..it shouldn't
make the
decision.**

Building a data culture that we can trust



Build all new processes
'digital and data ready'



FIS

FINISHES & INTERIORS SECTOR

Panel Debate



Diane Tocco

Founder and BIM Consultant

Diane Butterworth Ltd

WHITE PAPER
INTRODUCTION TO THE GOLDEN THREAD AND DIGITAL INFORMATION PLANS



5: Creating your digital information Foreword

1: Setting the scene

1.3 WHAT IS DIGITAL INFORMATION

Information is simply a structured understanding and process. Types

Design

The information that sets out intent and details of compliance requirements, dimensions and responsibilities (via the design responsibility matrix).

Logistics

Information about storage and materials handling, procurement, inventory, transport information to enable the supplied and delivered.

Construction

All the necessary information for programming, compliance suggested inspection

Demolition and end of life

Information required for sustainable demolition end of life or the safe removal of element end of their service

Dimensional

Information about volume, capacity

Cost

Information about purchasing,

Inspection

Evidence of compliant installation (eg photos/videos etc).

Does your programme clearly identify safety-critical elements that need to be subject to independent inspection? Remember, notwithstanding any independent inspection undertaken, all construction work, especially any work that will subsequently be closed in, must be:

- Subject to detailed inspection and digital recording
- Signed-off as approved by a responsible individual, who is
- Competent to do so.

Before work commences, have you confirmed that design of any element and the interfaces with other elements is complete and, where relevant, signed off prior to construction of that element?

Do you have a process in place to ensure that, prior to commencing work on site, the trade qualifications of all operatives are checked and verified as appropriate for the element of work they undertake?

Do you have a clear change management protocol? Site solutions are often incorporated when tolerances vary, or unforeseen situations occur. Remember no changes to the design or specification of the works should be permitted without approval from the relevant designers, principal designer and the client. As part of this it is advisable to be clear on what constitutes a major change (see below).

REMEMBER It is vital to identify who is responsible (and therefore responsible for perfecting details. It is key to establish at the providing what data - this should be clear effectively in contract documents.

Do you identify planned the tender requirements must be level of

plan of o and mi

c

How information is handed over (to the asset owner/tenant) to support safe and proper management, beyond the completion of construction and during the entire lifecycle of the asset, is also changing.

For higher risk residential buildings (HRRBs), it is mandated that this must be in a 'accessible and digital format' but information management is intrinsic to supporting duty holders for all building work, irrespective of asset type. The 'golden thread' is more about a 'cultural' shift supported by a collaborative way of

that use about your ethical and environmental sustainability and governance (ESG) procedures.



A GOLDEN THREAD, NOT A SILVER BULLET

If the finishes and interiors sector is to meet the challenges of a digital future and respond to the requirements of a new building safety regulatory system, then it needs a clear pathway to establish an ecosystem of interoperable platforms in which to share data, all related to product origin, use and circularity, as deployed in the delivery of construction projects.

The Building Safety Act 2022 (BSA) demands change and rightly so. In fact, referred as the most significant change in a generation, the BSA is set to radically improve information management in construction.

In seeking to reassure Building Control that the integrity of a compliant design is maintained throughout the construction process, the process in which information is produced, captured, checked and shared, is changing.

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"It is vitally important that we bring the visibility of asset performance to light..."

working, and less about the technology that you deploy to achieve the evidence-based outcomes of your 'real-time' asset management process.

Despite the sporadic presence of some 'good examples' of structured information management, there has been little standardisation of data management processes, which ultimately leads to 'data' management chaos. This chaos must change and, from the 'basic shed' to the 'iconic Shard', the C-Suite leader to the every-day faithful labourer the new Building Safety Regulator has laid down the gauntlet. As an industry we must positively respond, without delay or confusion.

Overwhelmed by the volume of jargon, the critical thing about your digital information plan is that it is accessible, functional, and structured. It doesn't have built around fully parametric 5D modelling, although there is a role and a place for such provision, but ultimate success, starts with doing the basics well. And this is a lesson that those selling software and other 'techy' solutions to the industry need to heed.



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We'll be right back