

NAVIGATING STRUCTURAL TIMBER CONSTRUCTION TO ADDRESS



NET
ZERO

STA | STRUCTURAL
TIMBER
ASSOCIATION

2nd July 2024 / RIBA HQ, London

Navigating Structural Timber To Address Net Zero

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Andrew Carpenter

Chief Executive STA

Introductory Speech

TIMBER IN CONSTRUCTION IMPLEMENTATION

Andrew Carpenter

Chief Executive STA, Director CTI & Secretariat TiC

THE OPPORTUNITY OF A LIFETIME

Lifetime of the Opportunity





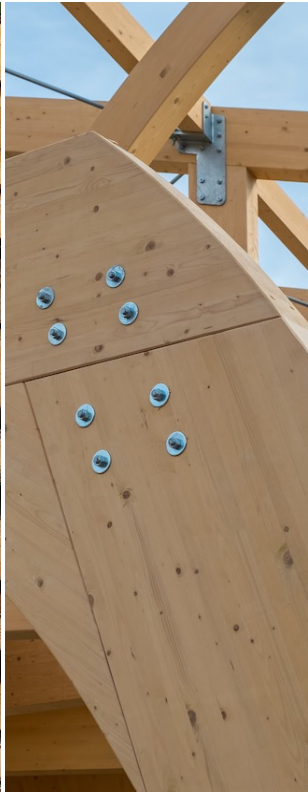
The Harris Academy
is the largest and first school

THE SEVEN PRIORITY THEMES

Seven issues covered within the Timber in Construction roadmap



Carbon



Demand



Skills



Supply



Safety



Insurance



Innovation

THE VITAL FEW

The objectives of the Timber in Construction Roadmap



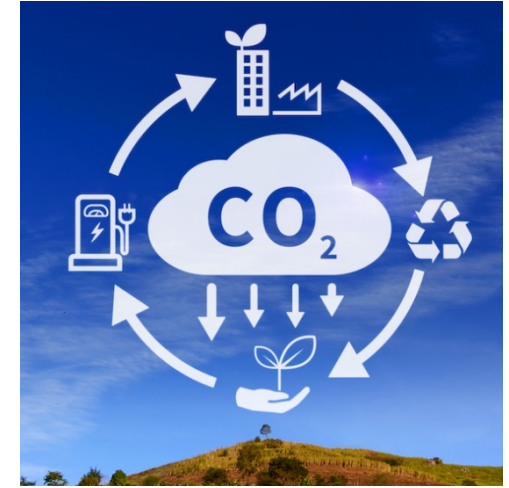
To safely increase the amount of timber used in construction



To increase the amount of homegrown timber used in construction



To help the UK meet its net zero target by 2050



To grow the economy through decarbonization

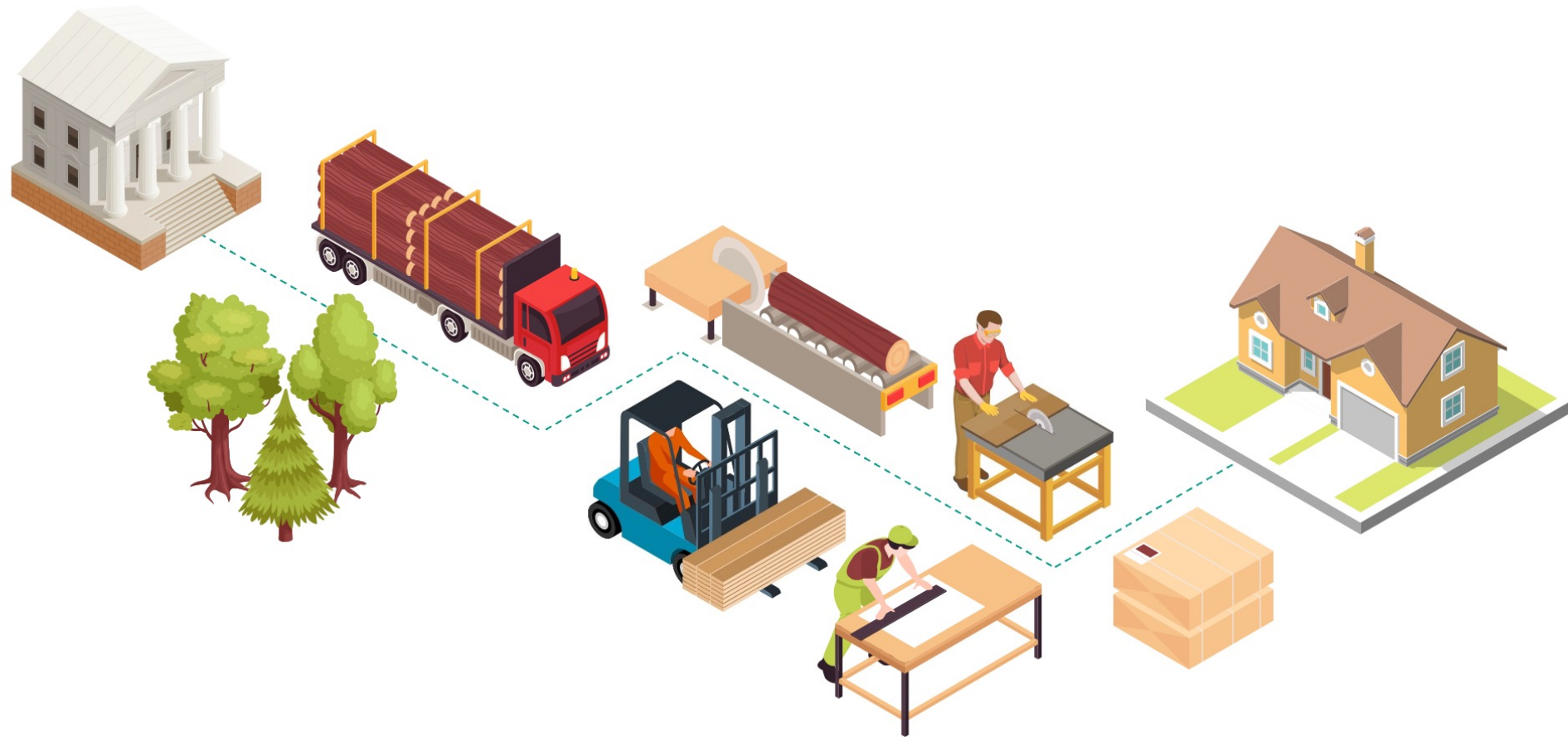
COLLABORATION

The collaboration of STA, TDUK & Confor under the banner of the CTI



LEADERSHIP

The whole supply chain needs to play its part



STA ASSURE

Our stringent quality assurance programme is designed to offer reassurance to clients and stakeholders

- Assures competent management processes
- Manufacturing and site installation are part of the process
- Three levels of accreditation
- Mandatory adherence to the Site Safety Scheme
- Formal recognition from leading UK warranty providers
- Independently certified competency scheme
- Committed to continuous improvement of the programme



INSTALLER TRAINING SCHEME (ITS)

The development of the ITS has focussed on meeting the requirements of five key outcomes:

- **Accessible** - an online learning solution with a single point of entry, providing anytime/anywhere access to installer/erector learning support
- **Simplified** - a reduction in scheme categories and the complex steps from registration through to scheme certification
- **Consistent** - a single approach to design, branding, and functionality across all STA training schemes
- **Affordable** - a training scheme that remained cost neutral to STA members and their learners
- **Credible** - supported by appropriate technology to provide and maintain STA scheme assurance



CLC – CONSTRUCT ZERO

Nine targets for construction to reach net zero by 2050



Transport

Accelerating the shift of the construction workforce to **zero emission vehicles** and **onsite plant**

Optimise the use of **Modern Methods of Construction** and improved onsite logistics, in doing so reducing waste and transport to sites

Championing **developments** and **infrastructure** investments that both **enable connectivity with low carbon modes of transport** and design to incorporate readiness for zero emission vehicles



Buildings

Work with Government to **deliver retrofitting** to improve energy efficiency of the existing housing stock

Scale up industry capability to deliver **low carbon heat solutions in buildings**, supporting heat pump deployment, trials of hydrogen heating systems and heat networks

Enhancing the **energy performance of new and existing buildings** through higher operational energy efficiency standards and better building energy performance



Construction activity

Implementing **carbon measurement**, to support our construction projects in making quantifiable decisions to remove carbon

Become world leaders in **designing out carbon**, developing the capability of our designers and construction professionals to design in line with circular economy shifting commercial models to reward measurable carbon reductions

Support development of innovative **low carbon materials** as well as advancing low carbon solutions for **manufacturing production processes and distribution**

CLC - CONSTRUCT ZERO

Five Client Carbon Commitments

1. Procure for low carbon construction and provide incentives in our contracts
2. Set phase out dates for fossil fuel use
3. Eliminate the most carbon intensive concrete products
4. Eliminate the most carbon intensive steel products
5. Adopt PAS 2080, Carbon Management in Infrastructure, as a common standard



THE THREE P'S

The business case



Partnership

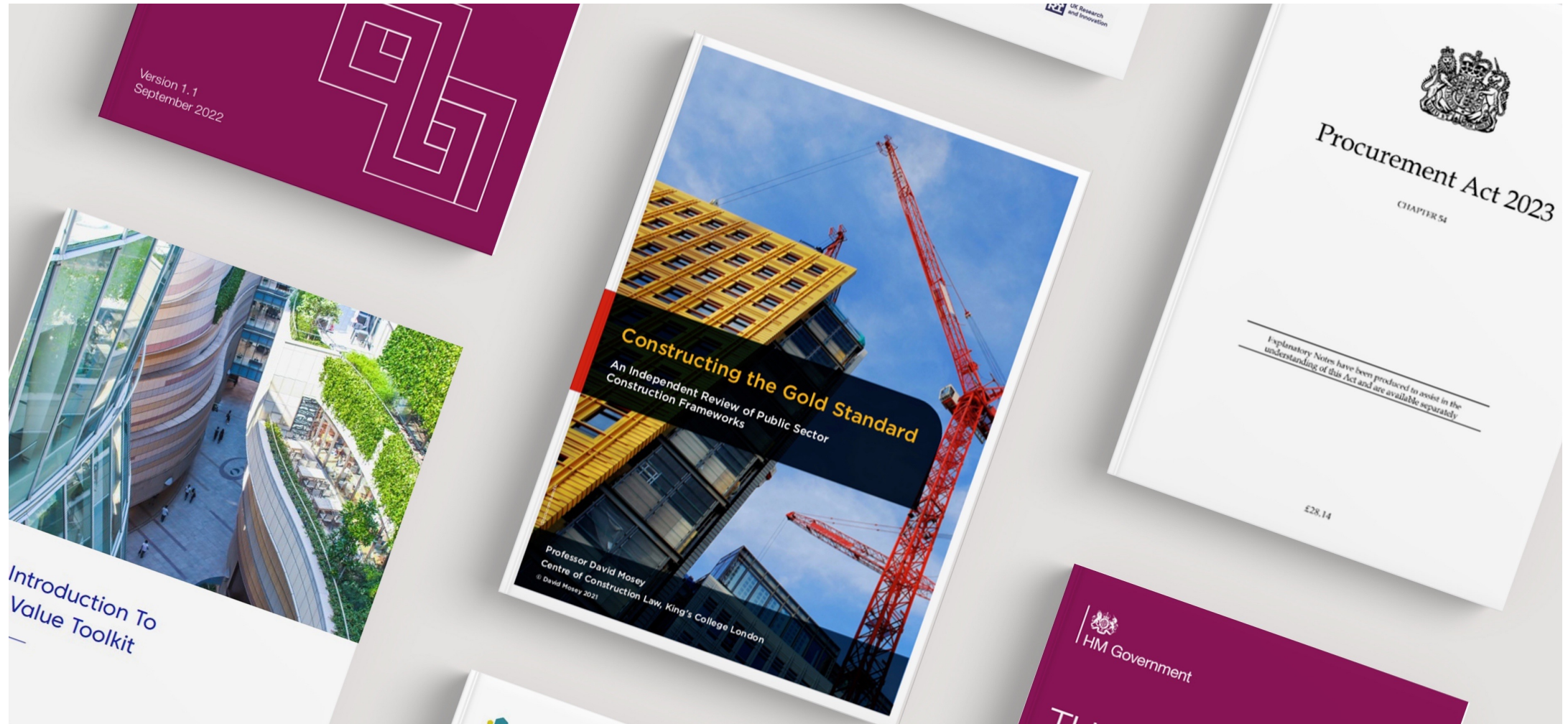


Procurement



Productivity

PUBLICATIONS



ADDED BENEFITS



Health & wellbeing



Purpose



Image of construction

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TO ADDRESS

THANK YOU

NET
ZERO