



TRANSFORMING CONSTRUCTION







This guide has been produced to help users to understand how to navigate the landscape map and find information that is useful or relevant to them.

Please read the Map Overview and Map Description for more information about the content of the landscape map and how it has been generated.





PROJECT OVERVIEW

Decarbonising construction - Industry landscape map v1

As the construction industry rises to the challenge of transitioning to net zero, it has become increasingly overwhelming to keep track of the many initiatives, action groups and resources that are striving to decarbonise the built environment. This landscape map provides a visual representation of many of the main groups with information about who they are and what they are doing to reduce carbon in the construction industry.

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The project overview gives a brief introduction to the landscape map, highlighting the purpose behind creating it.

Please note the information about copyright licence.





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This is the landing page of the landscape map

■ Decarbonising construction - Industry landscape map v1 Industry Landscape ~ Overview of organisations ~

The challenge of decarbonising construction is being addressed in a variety of ways by many organisations. This landscape map is a visual representation of many of the groups, institutions and initiatives that are active in the transitioning the construction industry to net zero. The purpose of this map is to provide an overview of activities and direct users to organisations or information that may be useful in their own learning or journey to decarbonising construction.

For this map, 'construction' includes the full spectrum of buildings and infrastructure across the lifecycle of the project, from strategic planning to end-of-life, including assessment of existing assets and refurbishment/retrofit. Some organisations on this map address very specific aspects, such as operational energy in buildings, or domestic retrofit, whilst others address a range of aspects. To explore the topics/themes that constitute decarbonising construction, have a look at this mindmap and read this article.





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This is only visible when no elements on the map are selected – click on blank space to activate.

Legend fessional Institution Click on these three dots to Industry grou industry initiative show/hide the map Strategic/Advisory organisation Trade body description. Government **Academia** Charity Community of practice/Forum Working Group/ Workstream/Taskforce Project/Programme Report Affiliate connection © Tercia Jansen van Vuuren (Laing O'Rourke Centre, University of Cambridge)

Q Search





This is the visualisation of the organisations included on the landscape map. Each coloured circle is an element and represents an organization according to the legend.

By default, these are grouped according to organization type. Relevant subgroups/workstreams are shown connected to the main organization.

























CAMBRIDGE

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map displays connections the nd Way σ elements Changing the

Buttons along the top can be used to change which elements and connections are shown on the map, and the way the elements are grouped.



Show/Hide reports: toggle to display the reports that have been included on the landscape map and are linked to organisations shown. This is not a comprehensive library of all publications by all the organisations, just a selection of relevant reports/publications.

Legena

- Professional Institution
- Industry group
- Industry initiative
- Strategic/Advisory organisation
- Trade body
- Government
- Academia
- Charity
- Champion scheme/commitment scheme
- Community of practice/Forum
- Working Group/ Workstream/Taskforce
- Project/Programme
- Report
- --- Affiliate connection

















Jsing 'tags' to navigate the map Institution of C nported The Institution of Civil Engineers (ICE) is a professional membership body for civil engineers. "We help the industry learn Τ and share our knowledge, so we can maintain the natural and built environment. We also promote the essential contribution that NOITION civil engineers make to society worldwide." (source) Brief Description of work related to carbon The ICE has setup 'The Carbon Project: Towards Net Zero for Infrastructure' to galvanise action around net zero. This has three workstreams (Measurement; Capability building; Systems-level reductions) and produces resources such as blogposts and papers. Infrastructure ACRONYN WEBSITE ice.org.uk

#industry-landscape/institution-of-civil-engineers

'Tags' have been added to elements to help find relevant information depending on what aspect users may be interested in. There are several ways that the tags can be used.







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Multiple Selections				
25 elements ×	Edit	Connect	Export	
Infrastructure				
Select a field to edi	t			~

This will show all elements that have the selected tag. In this case, 25 elements have the tag 'Infrastructure'

Connections between elements are not visible in this view. Clear the focus to return to the full map view.





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Affiliate connection

To return to the full map view, go back to the drop-down menu and click 'Select all/none'. Make sure that **none** of the tags are selected to ensure that all connections become visible again.

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Hide affiliate connections

Show affiliate connections

Infrastructure ~

Connect by tags (excl. reports)



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Another way to use tags:

Institution of Civil Engineers

Imported

The Institution of Civil Engineers (ICE) is a professional membership body for civil engineers. "We help the industry learn and share our knowledge, so we can maintain the natural and built environment. We also promote the essential contribution that civil engineers make to society worldwide." (source)

Brief Description of work related to carbon

The ICE has setup <u>'The Carbon Project: Towards Net Zero for</u> <u>Infrastructure'</u> to galvanise action around net zero. This has three workstreams (Measurement; Capability building; Systems-level reductions) and produces resources such as blogposts and papers.

















To allow for exploration of publications and reports on decarbonising construction, a separate 'map view' has been created that shows only the reports and publications that are included on the landscape map (organisations are hidden).





E Decarbonising construction - Industry landscape map v1 Industry Landscape V Overview of organisations V Overview of organisations Reports The challenge of decarbonising construction is being addressed reports/publications in a variety of ways by many organisations. This landscape map is a visual representation of many of the groups, institutions and initiatives that are active in the transitioning the construction industry to net zero. The purpose of this map is to provide an overview of activities and direct users to organisations or information that may be useful in their own learning or journey to decarbonising construction. For this map, 'construction' includes the full spectrum of buildings and infrastructure across the lifecycle of the project, from strategic planning to end-of-life, including assessment of existing assets and refurbishment/retrofit. Some organisations on this map address very specific aspects, such as operational energy in buildings, or domestic retrofit, whilst others address Legend Exploring a range of aspects. To explore the topics/themes that constitute decarbonising construction, have a look at this mindmap and ndustrv aroup ndustry initiative read this article. Frade body Government Please note the following: • The primary focus is on carbon reduction and climate

change mitigation in the built environment and does not include other aspects of sustainability in the built environment, such as nature based solutions, biodiversity health and well-being community and so







Decarbonising construction - Industry landscape map v1 Industry Landscape ~ Reports ~

The challenge of decarbonising construction is being addressed

in a variety of ways by many is a visual representation and initiatives that are construction industry t provide an overview of

organisations or inform

learning or journey to d

For this map, 'construct' buildings and infrastructur

This will display the 'Reports' view of the map. Each coloured circle represents a report or publication with the type coloured according to the legend.

Q Search

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Consultative document

Report

Roadmap Policy paper

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Decarbonising construction - Industry landscape map v1 Industry Landscape ~ Reports ~

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The default view shows reports connected by tags – all reports (small coloured circle) with a particular tag are connected to an element named with that tag (large grey circle).

Q Search



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- Roadmap
- Policy paper
- Consultative document













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Decarbonising construction - Industry landscape map v1 Industry Landscape ~ Reports

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Q Search Group by Publication type Group by Tags The challenge of decarbonising construction is being addressed reports/publications in a variety of ways by many organisations. This landscape map is a visual representation of many of the groups institution and initiatives that are active i The reports can also be construction industry to net provide an overview of activi connected by the type of organisations or information document or publication using learning or journey to decarb the buttons along the top. For this map, 'construction' in buildings and infrastructure acr from strategic planning to end-of-life, including assessment of existing assets and refurbishment/retrofit. Some organisations on this map address very specific aspects, such as operational energy in buildings, or domestic retrofit, whilst others address a range of aspects. To explore the topics/themes that constitute decarbonising construction, have a look at this mindmap and read this article. Leaena Please note the following: nchmarking idance documen • The primary focus is on carbon reduction and climate riefing document nfographie change mitigation in the built environment and does not Report include other aspects of sustainability in the built Roadmap Policy paper environment, such as nature based solutions,

www.construction.cam.ac.uk

Consultative document





For more information, please contact the Laing O'Rourke Centre: <u>comms@construction.cam.ac.uk</u>

