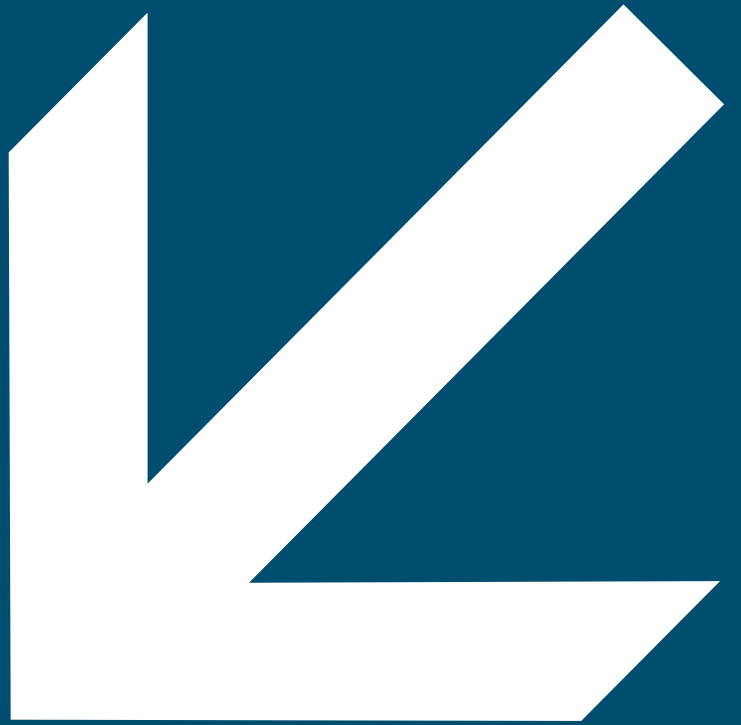


# Buildings and Architecture Strategy

February 2021



## **Vision**

A carbon neutral built environment enabling Mobility as a Service.

## **Mission**

To promote and embed a Design and Asset Engineering<sup>1</sup> approach for the British Railway Built Environment that improves passenger satisfaction, safety, stewardship and sustainability. This is particularly relevant for operational, public-facing property.

# Strategies

To deliver this Vision and Mission Network Rail’s Technical Authority Building and Architecture team will:

1. Promote and advance optimal, Carbon Zero Asset Engineering of our Built Environment.
2. Educate in optimal Asset Engineering of our Built Environment.
3. Work towards a fully integrated, adaptable, accessible end-to-end digital representation of our Assets.

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## The Measures: ‘the 4 S’s’

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Network Rail’s Technical Authority’s Building and Architecture team have developed four categories that represent an outcome-based measure of success. These four categories – the 4S’s – are as follows:

- **Sustainability** as measured by EPCs
- **Satisfaction** as measured by NRPS
- **Safety** as measured by RSSB
- **Stewardship** as measured by BRE

By setting the 4 S’s as key criteria, social, environmental, economic, digital growth under Mobility as a Service can be mapped and better delivered.

## Themes and Tactics

The following themes and tactics have been identified to support delivery of the Vision, Mission and Strategies.

### 1. Promote and advance optimal, Carbon Zero Asset Engineering of our Built Environment through:

- **Design Competitions:** organising, promoting and running Built Environment Design Competitions
- **Smart Buildings:** advancing research, development and deployment of Smart Buildings
- **Standard Designs:** evolving and expanding the suite of Standard Designs
- **Carbon Zero:** completing the Carbon Zero guidance roadmap initiatives

### 2. Educate in optimal Asset Engineering of our Built Environment through:

- **Training:** developing a suite of Training courses through the Civil Engineering Action Learning (CEAL) initiative
- **Strategic Design Advice:** developing and publishing, via Standards, knowledge bases and Policy, design advice and Decision Support Tools that enable optimised strategic choices to be made

### 3. Work towards a fully integrated, adaptable, accessible end to end digital representation of our Assets with:

- **Data Capture:** completing OPAS replacement with a Plain Language, Image Based solution and scanning our entire estate
- **Data Exploitation:** exploiting our data; utilising Machine Learning and IOT; enabling Predict & Prevent and holistic Whole Life Costing
- **Wayfinding:** developing optimised Wayfinding, bringing together the digital and physical

