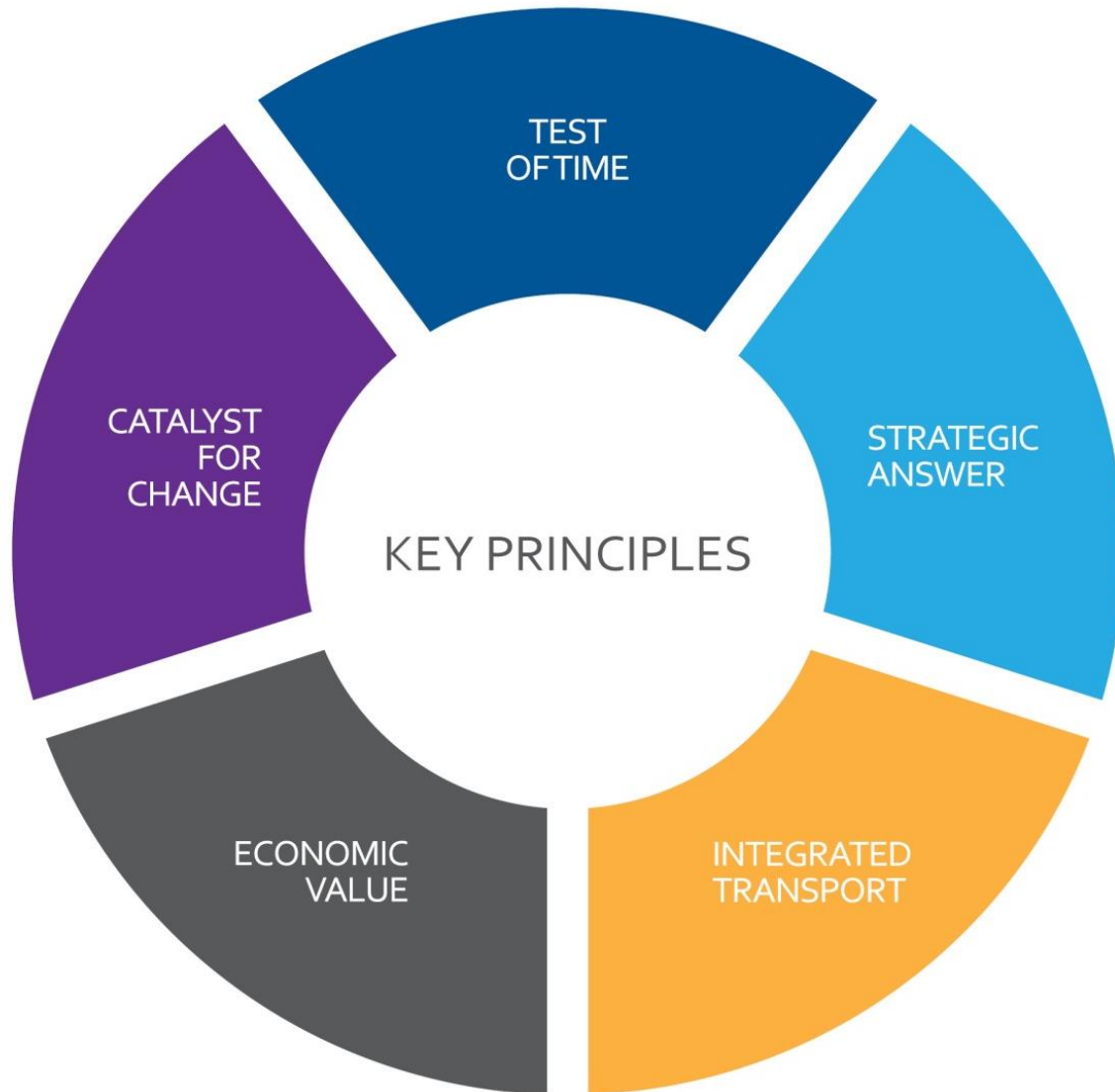


HS2 – Station Design Approach

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HS2 Ltd

January 2016



KEY PRINCIPLES

TEST
OF TIME

STRATEGIC
ANSWER

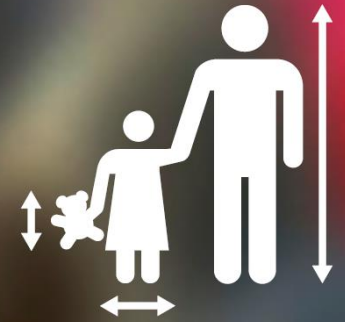
INTEGRATED
TRANSPORT

ECONOMIC
VALUE

CATALYST
FOR
CHANGE

People

Design for everyone to benefit and enjoy



Place

Design to create a sense of place



Time

Design to stand the test of time

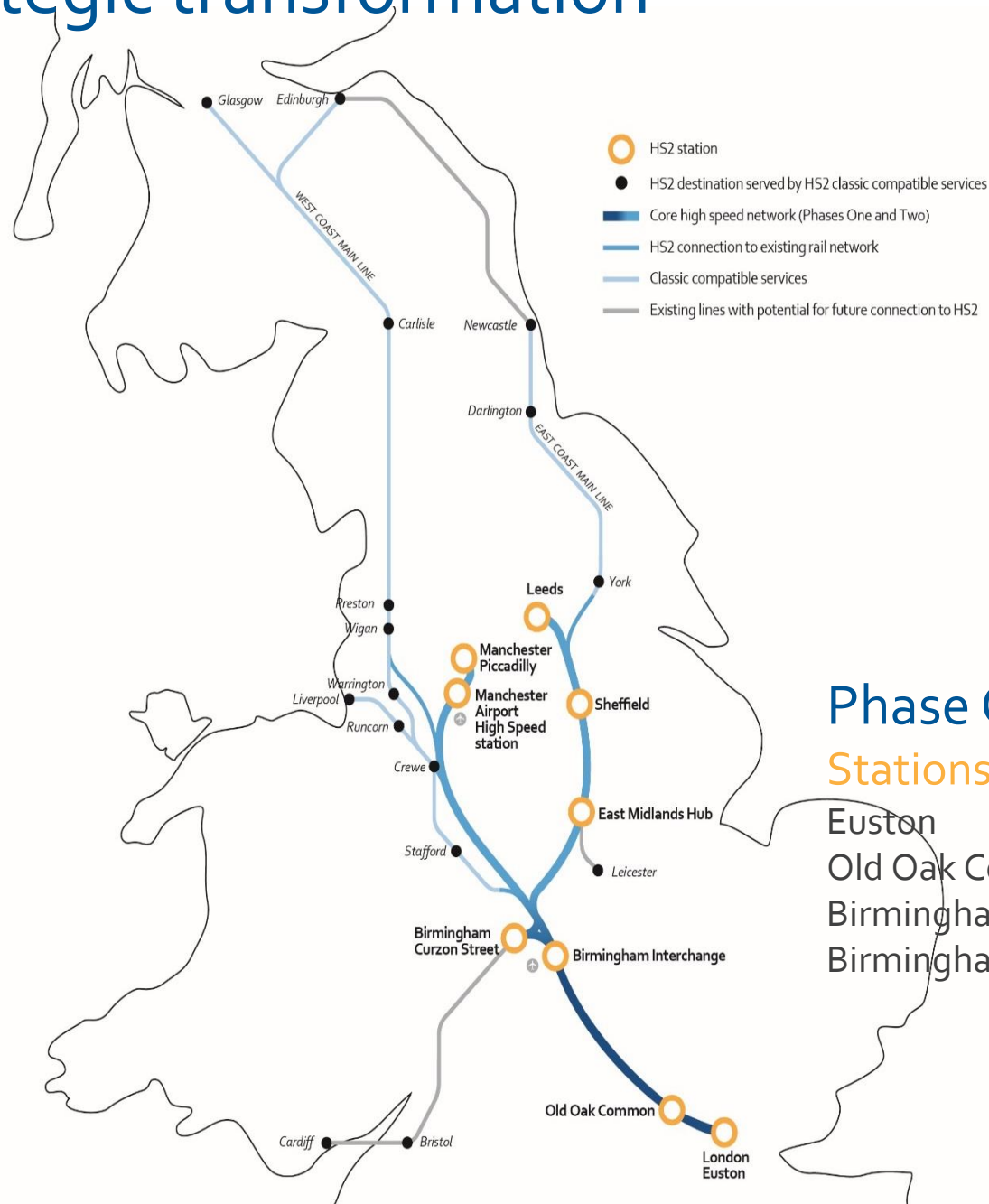


HS2: a strategic transformation

Phase Two

Stations:

- East Midlands Hub
- Sheffield
- Leeds
- Manchester Piccadilly
- Manchester Airport



Phase One

Stations:

- Euston
- Old Oak Common
- Birmingham Interchange
- Birmingham Curzon Street

Aspiration

- HS2 is committed to providing exceptional design and the new stations will be required to meet the highest passenger expectation and enhance the travelling experience.
- The stations will need to respond to the contextual and social needs of their locations in sympathetic and imaginative ways to contribute as fully as possible to the future development of their locations.
- It is anticipated that all the stations will become catalysts for regeneration and the stations will become landmarks and that the communities will come to identify with them with pride.

People centred design

Contextual design response

Timeless design

Design principles

The Design Approach embraces the HS2 Design Vision and these link to the HS2 core station design principles

● People

Inclusive and accessible

Simple and Clear

Welcoming and user
Friendly

Safe and secure

● Place

Context and identity

Permeable and
Integrated

Sustainable

● Time

Functional and operable

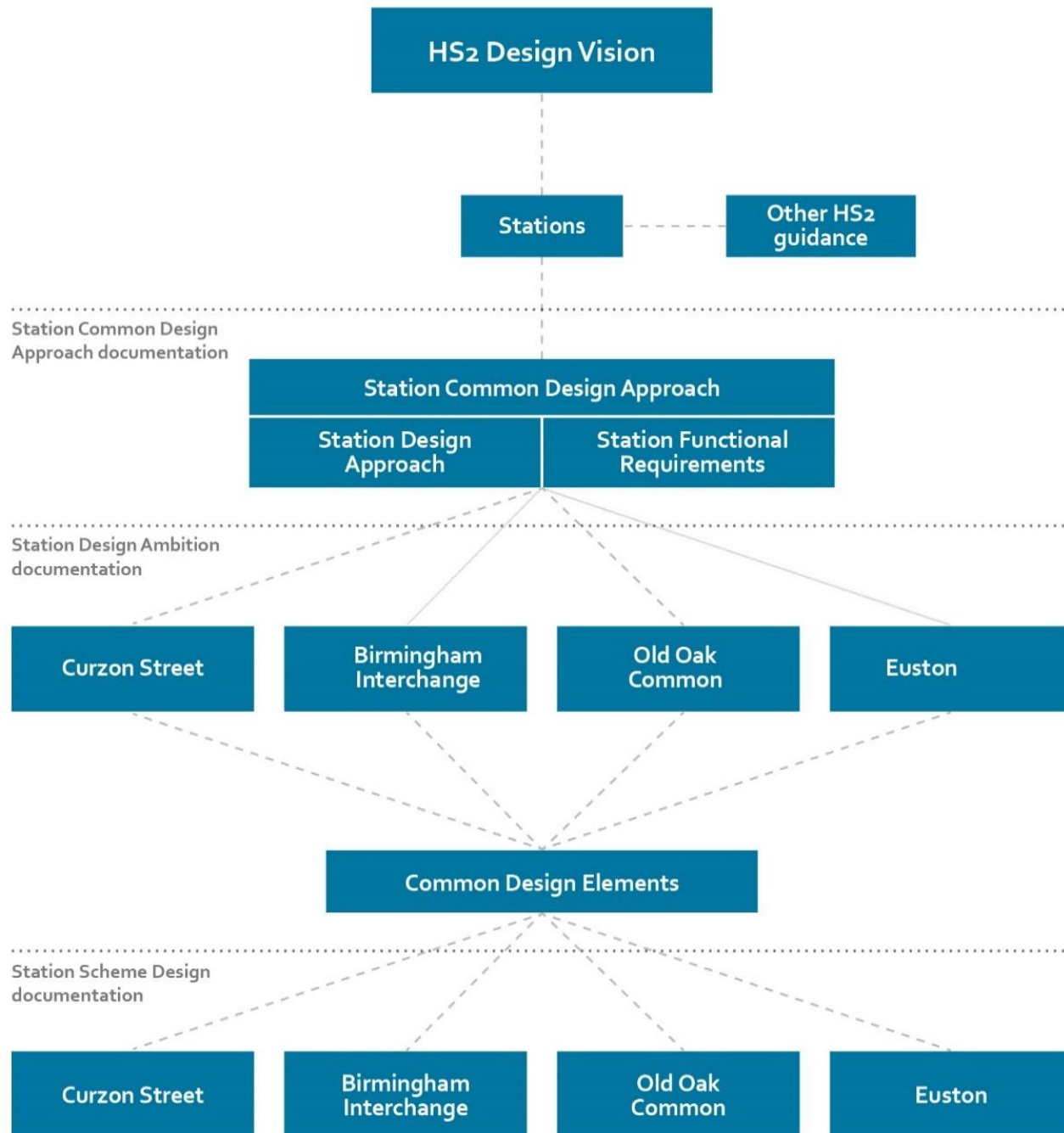
Buildable

Value for Money

Maintainable and
Flexible

- Develop generic Design Approach documents.
- Develop Specific Design Ambitions.
- Develop HS2 station identity through Common Design Elements





Stations are for everyone

Passengers

Operators

Retail and Amenity Staff

Local Community

Visitors



GOOD DESIGN IS FOR PEOPLE

Stations are for Passengers



Rise in passenger expectation.

Understanding and responding to all passengers needs is vital for a successful design.

Passenger consultation necessary to understand the full spectrum of requirements.



London Transport Museum, London, UK



Rotterdam Centraal railway station, Rotterdam, Netherlands

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(Make payment)



Metro station, South Korea



Wide-span roof

Liège-Guillemins Station,
Belgium



Expansive column-free spans lit by daylight clearly articulate the station concept creating a dramatic experience for arriving and departing passengers.



Canopy

Amsterdam Bijlmer
Station, The Netherlands



Warmth of the natural timber finish to canopy soffits and the human scale achieved by independent canopy structures create a welcoming impression to alighting passengers.



Station structure

Berlin Hauptbahnhof,
Germany



Where platforms are weather protected by overhead structures, generous height and visibility of activity on the upper levels are critical to achieving a dramatic spatial experience.

Contextual design

- Designs that respond to a place
- Redefine and make a place
- Use of appropriate and sustainable materials



Stakeholder collaboration

- Early dialogue with local councils, business groups and landowners is essential.
- Work together to seize the opportunity that HS2 presents.
- Develop station designs that maximises the opportunities they have identified for growth.
- Work with local transport groups to ensure supporting transport schemes are prioritised and integrated
- Develop effective governance to bring interested parties together to implement shared objectives.



Curzon Street Context



Hotel La Tour



Millennium Point



Eastside City Park



Curzon Street Building



Birmingham City University



Eastside City Park Canal



The Woodman Public House



Birmingham City University Campus



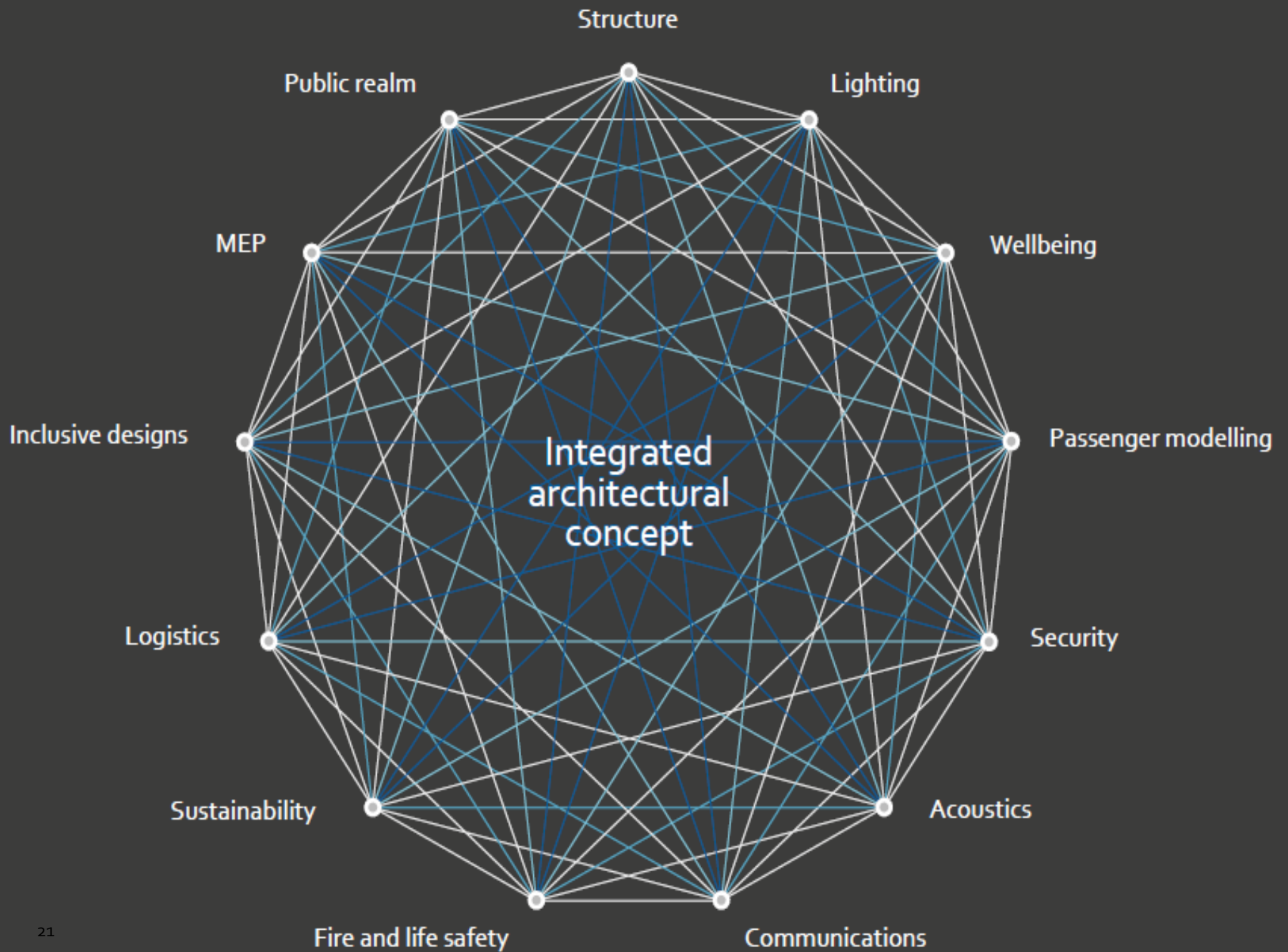
Moor Street Station



Common Design Elements

A palette of Common design elements will be developed to reinforce the HS2 line-wide identity within the unique architecture of each station









Atocha Station, Madrid, Spain



Oslo Opera House, Norway



Canary Wharf Underground Station, London, UK



Munich Metro, Germany