Buildings don’t arise out of thin air. They are generated by needs, the needs of people.

Norman Foster
Population growth in the UK – where will everyone live?

Department of Communities and Local Government
Changing nature of UK employment = changing infrastructure need

<table>
<thead>
<tr>
<th>Predominant Industry</th>
<th>1900</th>
<th>1950</th>
<th>1980+</th>
<th>2000+</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Extraction</td>
<td>Manufacturing</td>
<td>Services</td>
<td>Intellectual Services</td>
</tr>
<tr>
<td>Primary Sector</td>
<td>Mining, fishing, agriculture</td>
<td>Manufacturing - construction, light and heavy industry</td>
<td>Insurance, government, tourism, banking, retail, education</td>
<td>IT, R&amp;D, bio and nano, advanced manufacturing consulting, media &amp; entertainment, branding, security</td>
</tr>
<tr>
<td>Secondary Sector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tertiary Sector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quaternary Sector</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
The South East dominates growth
By 2031 London will have grown by 20%
Projected rail passenger growth in London by 2031

+36%
[stey-shuh n]

a stopping place for trains or other land conveyances, for the transfer of freight or passengers.
90% of the population live and work within 5 kilometres of a railway station.
The station is the heart of the community (rural and urban)
Urban decay
Kings Cross Masterplan
Station arrangement
St Pancras - extended station
St Pancras - taking away the tracks
Haramain High Speed Rail
Moving fast to move faster
Exterior - Madinah

Haramain High Speed Rail │ September 2010

Foster + Partners
Haramain High Speed Rail │ September 2010

Exterior - Jeddah
Minimising impact – maximising accessibility
By 2020 another 400 million journeys will be made every year.
Traditional passenger experience of the railway station

1. Research route
2. Buy ticket
3. Wait for train
4. Catch train
The way we connect has changed
89% of commuters own a smartphone

85% of which use it while travelling by train

Source: KBH On train media
Today’s passenger experience of the railway station

1. Research route
2. Buy ticket
3. Wait for train
4. Catch train
Community
Choice
Wellbeing
Community
Choice
Wellbeing
“The Apple Store is much more than a store. We offer free workshops for people of all experience levels — we even offer youth programs like Apple Camp. And when you buy a new Mac, you can sign up for One to One training and take your skills to the next level.”
Business community
Business traveller needs: connected, wi-fi enabled personal space
Commuter needs: social centres to connect with friends and colleagues
A point of connection for station users

- Commuters: 42%
- Leisure: 27%
- Business: 9%
Greater choice of services

DELTA SKYTEAM

SKY PRIORITY®

BusinessElite, First & Business Class
Diamond, Platinum & Gold Medallion
SkyTeam Elite Plus
Greater choice of amenities

Access to 'click and collect' shopping services
Greater choice of amenities
Train stations are busier than airports

Number of passengers per year
Airports compared with railway stations

Source: Network Rail
Those that commute, travel further

Average distance travelled to work in England and Wales (km)

- Wales
- South West
- South East
- London
- East
- West Midlands
- East Midlands
- Yorkshire & Humber
- North West
- North East

2001
2011

Source
Office for National Statistics

Foster + Partners
❤ 145+ bpm
200+ bpm
Greater choice of amenities
How can the station itself be designed to increase wellbeing?