

# Future trends in urban mobility and working practices:

## Influences on health & wellbeing in workplace

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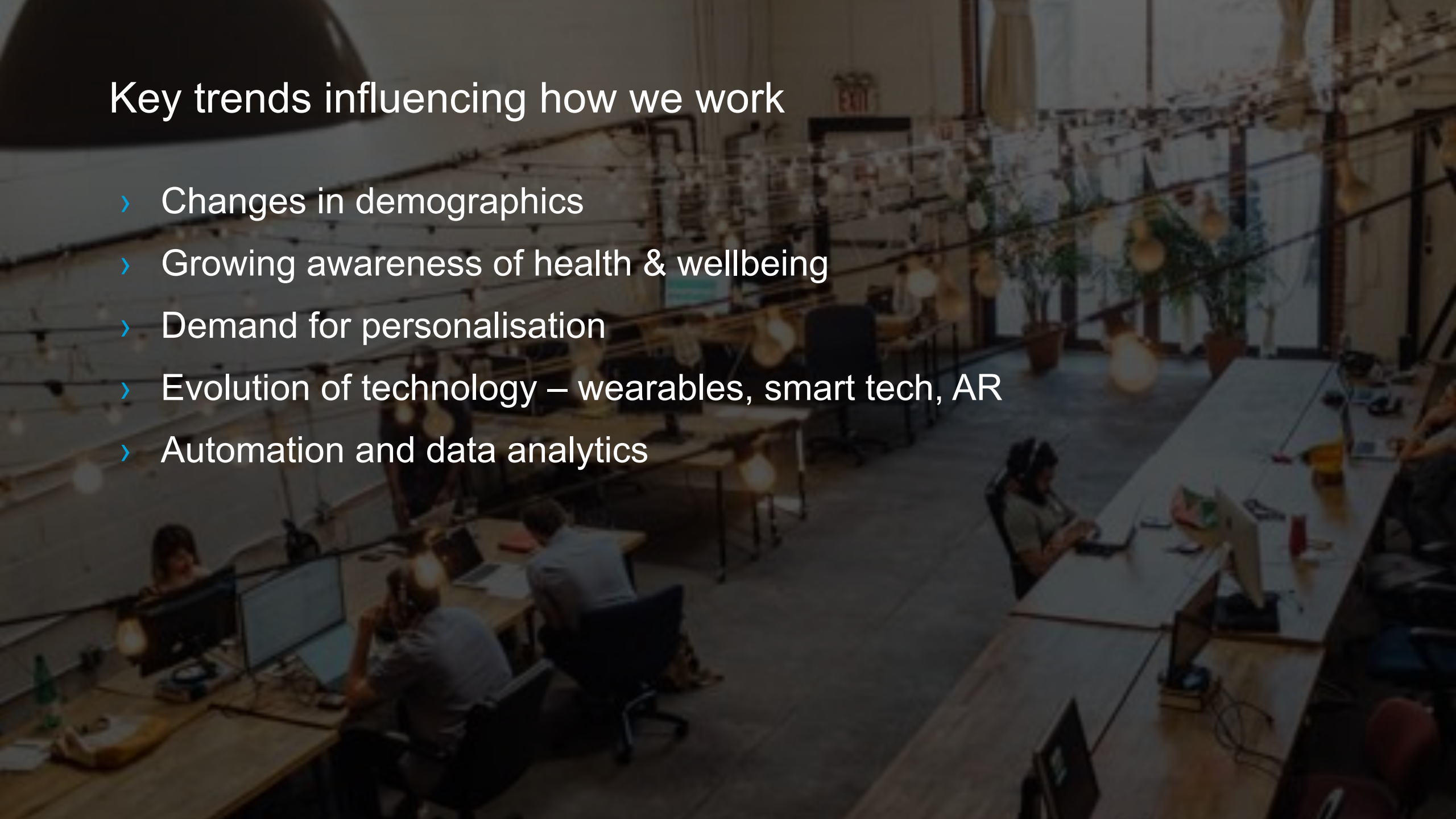
**Dr Wolfgang Schuster**

*Technical Director, Transportation*



# Key trends influencing how we work

- › Changes in demographics
- › Growing awareness of health & wellbeing
- › Demand for personalisation
- › Evolution of technology – wearables, smart tech, AR
- › Automation and data analytics



# Workplace trends



## Gig economy

There are an estimated **1.1 million** gig workers in the UK



## Co-working

**7.5%** of all workspace leases in UK urban centres in 2017 were flexible / co-working

Trend



Detail

**59% - Professional / creative services**  
33% - Skilled manual or personal services  
16% - Driving & delivery services

Source

RSA, Good Gig, April 2017



**Increased** from 2% in 2012

Coworking 2018, Cushman Wakefield

# 50%

Of employees in the UK have flexible working arrangements such as job sharing, or compressed hours

*Flexible working survey, YouGov Plc, August 2018*

A flexible transformation:



Member of the SNC-Lavalin Group





The image shows a modern, open-plan office space. In the foreground, there's a glass-walled cubicle with a red sofa and a person sitting on it. Behind it, several people are working at long tables. The office has a high ceiling with exposed pipes and large, white, spherical pendant lights. The walls are made of brick and wood, giving it a rustic yet modern feel. The floor is made of light-colored wood.

“

Beyond four walls,  
Comforts of home,  
Network of workspaces

WeWork, Devonshire Square, London





“

Innovative, Creative & Technological,  
Collaboration, Networks

The Engine Shed, Bristol



“

Responsive, restorative, customer-facing

Primary and secondary healthcare environments



# Other activities and tasks



Workplace



Health



Shopping



Exercise



Sleeping



Education



Socialising



Family/Care

# Transportation trends



## Car/Van

Remains most popular way to commute in the UK



## National Rail

20% increase in distance travelled by surface rail from 2003 to 2016



## Cycling

39% growth from 1993 to 2016

Urban



3.2% of urban residents commute by cycling

Rural



1.6% of rural residents commute by cycling

70%

of Londoners use smartphones to support their daily commute.

A digital transformation:

chariot



Slide

Uber







Venturer

# Future transport scenarios

## Scenarios



Sustainable travel



Mobility as a Service



Connected and Autonomous Vehicles

## Implications



Changes to people's journeys



Changes to logistics



Changes to people's behaviours





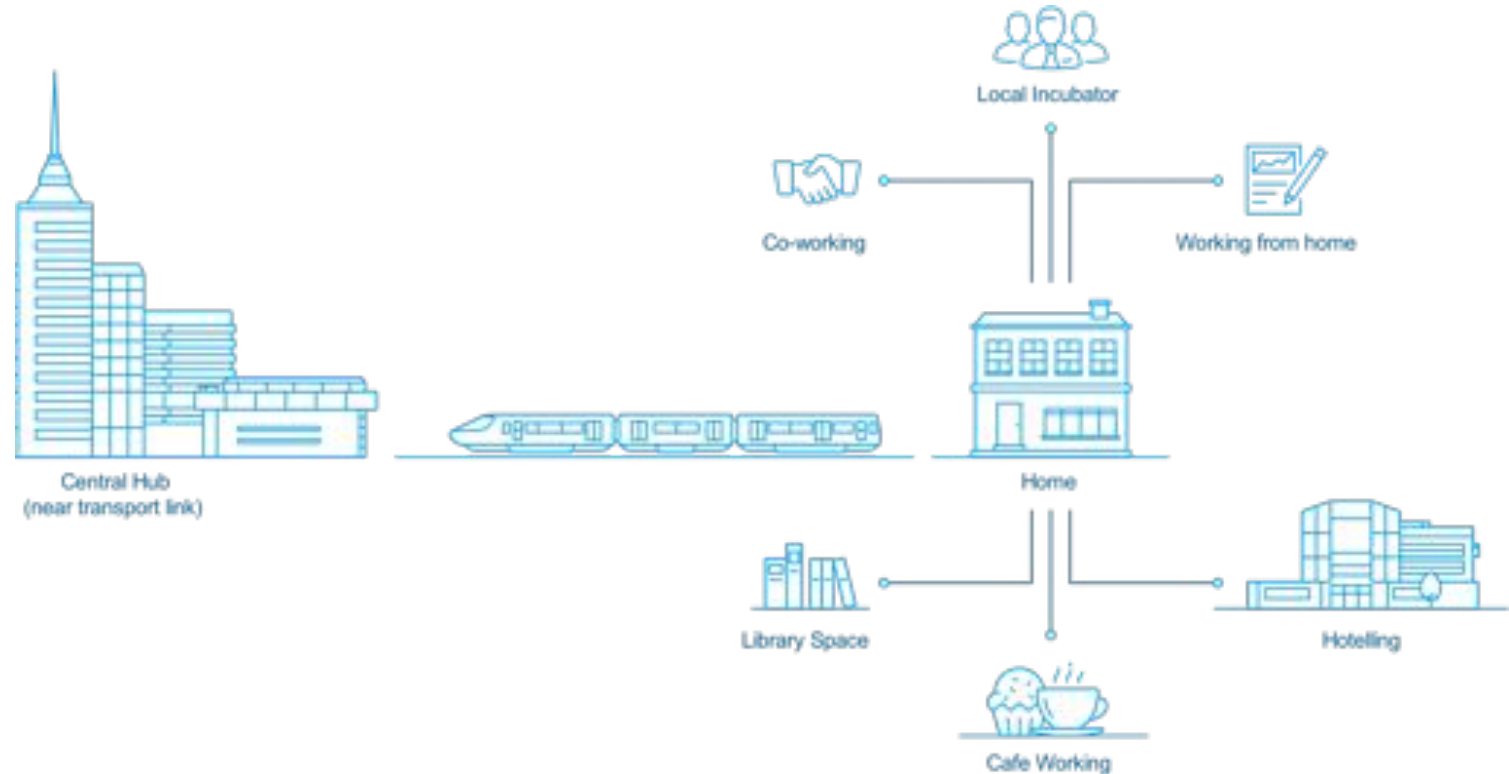
# Sustainable Travel

## Future transport – Scenario 1



# Transportation influencing our ways of working

- › People choose to use workspace closer to home or accessible by public transport to reduce travel
- › Sharing economy growth – sharing models become new norm
- › More shared in-office facilities and amenities, such as doctors and laundrette
- › Increase in use of shared working facilities such as library spaces or co-working





# Impact on people

- › The amount of space we have can influence our feeling of comfort and wellbeing.
- › Increased awareness of health and environment
- › People will choose to live more locally or choose offices closer to home
- › Increase in 'sharing' business for amenities and office spaces
- › Changes to how people interact in sharing style offices / workplaces

Halton Housing Trust's HQ, Widnes

A close-up photograph of a woman with blonde hair, wearing a black beanie, a grey scarf, and a red coat. She is looking down at a small object, likely a smartphone, held in her hands. The background is a blurred transit station with other people and yellow structural elements.

# MaaS – Mobility as a Service

Future transport – Scenario 2

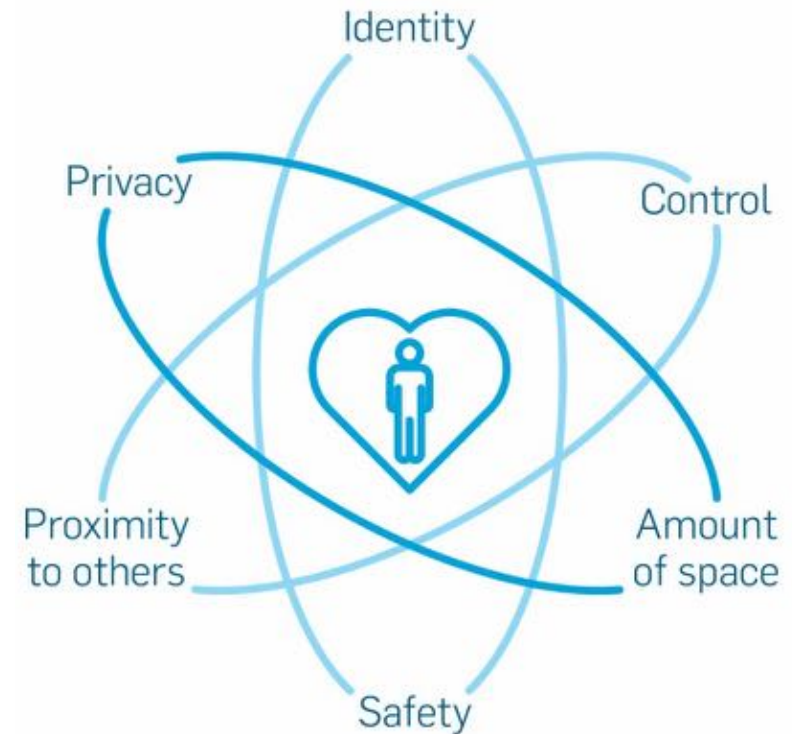


# Impact on people

## Sense of ownership and belonging & community

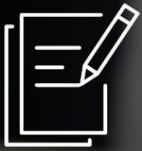
### Changes to people's behaviours'

- › Increasingly flexible working patterns and locations
- › Shift in core hours of work and office demand
- › Increase in homeworking or local working
- › Feelings of ownership and belonging are linked to a wide range of design parameters
- › Visual connection within a buildings can support social interaction and feelings of ownership or community



# 'Facilities as a service'

Greater flexibility in the physical space



Library  
space



Desk  
space



Private  
booth



Collaboration  
space



Making  
space



Meeting  
rooms



Presentation  
space



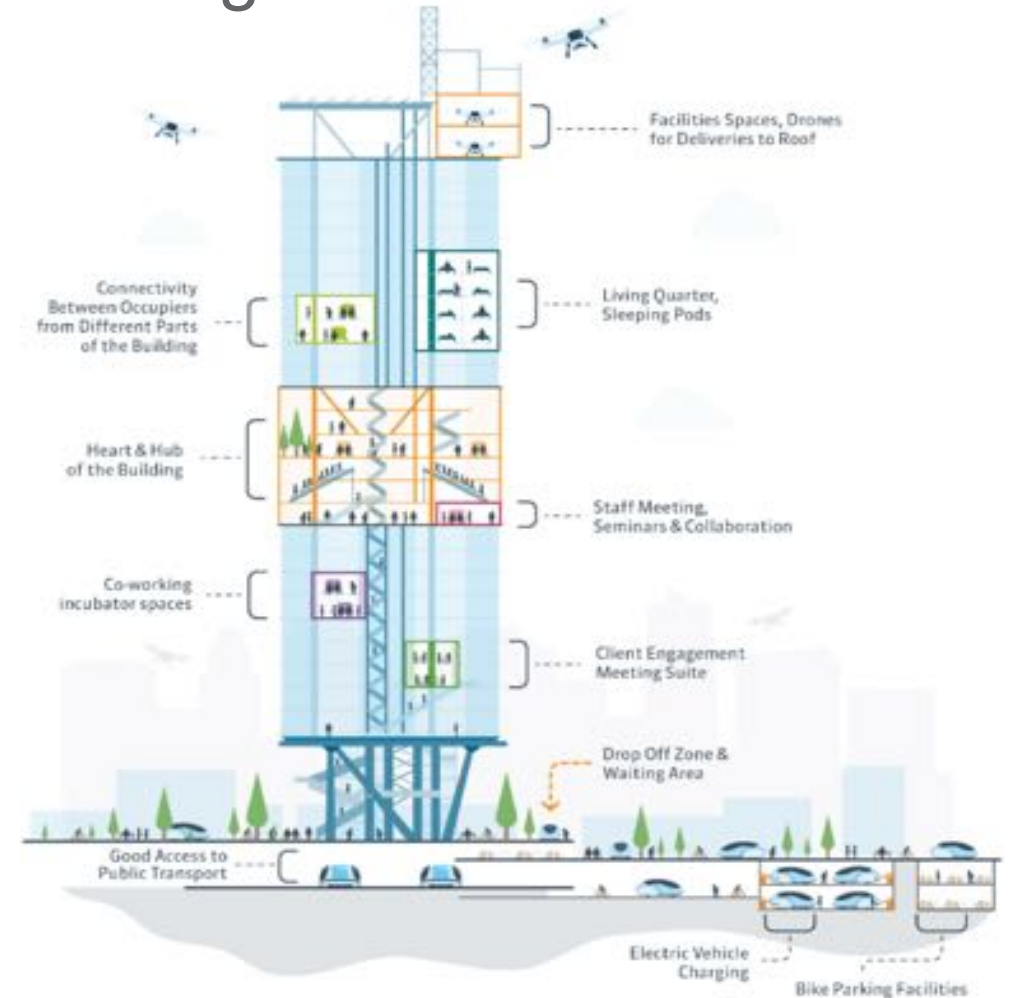
# Connected and Autonomous Vehicles

## Future transport – Scenario 3



# Transportation influencing our ways of working

- › Increase in automated vehicles allowing people to work while on the move
- › 'Work' extends to CAVs to enable agile working while travelling
- › Increase in drone deliveries
- › Design of facilities for drone drop off points
- › Car ownership decreases - shared models of CAVs
- › Increase in green space as parking decreases
- › Supporting mobility for aging population



Future of workplace?





# Key stakeholder recommendations



Employers



Transport & city  
planners



Building  
developers



Landlords



Technology  
developers

# Conclusions

1. Transport and offices are highly interlinked ecosystems
2. People's behaviours and choices are the glue that binds them
3. Cultural shift for variety of stakeholders
4. **Collaboration between transport & office stakeholders vital to ensure seamless and sustainable evolution of both ecosystems.**



# Thank you

For more information, contact:

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*BCO Future Transport: the implications for office demand and design -*

*[http://www.bco.org.uk/Research/Publications/Future\\_Transport\\_The\\_implications\\_for\\_office\\_demand\\_and\\_design.aspx](http://www.bco.org.uk/Research/Publications/Future_Transport_The_implications_for_office_demand_and_design.aspx)*