Shared Problems,
Shared Solutions
HANDS ACROSS THE SEA.
Our Panel

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Retrofitting Our Cities for the 21st Century – An Overview

• Competition between cities in a global economy
• Advantages and challenges for older cities
• Some questions for our planning systems
  • are our planning systems fit for purpose?
  • are we delivering
    • housing?
    • work places?
    • transport?
    • utilities?
• Some reflections on shared problems and shared solutions
Competition Between Cities in a Global Economy

• How will cities compete in the 21st Century?
  • affordable high quality housing
  • high specification commercial space
  • education/knowledge hubs
  • communications systems
  • local/national/international transport links
  • “destination” retail and cultural centres
  • focussing on high quality of life
  • stable and fair political/legal/taxation systems
  • and, most importantly:
    attracting great people and companies
Competition Between Cities in a Global Economy

• The role of the planning system in 'facilitating' cities fit for the 21 century
  • enabling development of homes and work places
  • allowing easy movement and communication
  • providing infrastructure to support people and activities
  • mediating between competing land uses

• But the planning system cannot itself
  • create quality of life
  • create stable and fair political/legal/taxation systems
  • attract great people and companies
    • that is an outcome of everything else…
Advantages for Older Cities

• Large (fairly settled) populations
• Established commercial centres
• Great retail and cultural facilities
• Leading universities
• Range of housing opportunities
Challenges For Older Cities

• Dense urban fabric (few large development sites)
• High land values
• Expensive housing of variable quality
• Ageing infrastructure
  • transport/utilities/communication systems
• Historic buildings and open spaces that need to be protected
• Tightening environmental controls
• Well-organised pressure groups
Some Shared Problems...

How Can We:

• Create affordable housing in cities with high land values?

• Get people moving around and between densely populated urban areas?

• Accommodate population and economic growth within acceptable environmental limits?

• Provide infrastructure to support 21 century expectations in old (and sometimes ancient) cities?

• Achieve 'buy in' from local politicians and communities?
Some Questions for our Planning Systems

- Are our planning systems “fit for purpose”? 
- Are we delivering
  - housing?
  - work places?
  - transport?
  - utilities (electricity, gas, water, sewerage)?
Are Our Planning Systems “Fit For Purpose”? 

“Oh, yes, you need specific credentials to be a town planner.”
Are Our Planning Systems “Fit For Purpose”?  

- Some issues
  - creating certainty and speed in decision-making
  - setting a framework for development
    - role of policy (if any)?
  - respecting our cultural heritage
  - taking account of environmental effects
  - dialogue with local communities
  - public access to environmental information
  - rights of appeal
Somehow the model doesn't give me confidence that the scheme will be of the highest quality of design.
Are Our Planning Systems “Fit For Purpose”?  

• **US Successes**  
  - fast track permitting for certain uses  
  - zoning overrides and burden shifting  
  - unified development codes  
  - Constitutional and statutory protection of property rights  
  - brownfield investigation, remediation, development incentives

• **US Failures**  
  - “floating” zones and planned unit developments  
  - making the developer “eat the carrot”  
  - rights of appeal to courts  
  - federal and state laws  
  - eminent domain misuse and inadequate compensation  
  - fracking and groundwater policies  
  - environmental justice  
  - remediation standards
Are Our Planning Systems “Fit For Purpose”? 

• UK Successes
  • clear hierarchical policy framework
  • strong protection of historic assets and green belt
  • sophisticated EIA procedures
  • separate infrastructure planning system
  • new Housing and Planning Act 2016 initiatives
    • permission in principle (hopefully)

• UK Failures
  • planning policy often restrictive and out of date
  • local planning authorities are under-resourced
  • decision-making can be slow and uncertain
  • public consultation often inadequate
  • strong 'nimby' culture
  • legal challenges to decisions are widespread
Are Our Planning Systems “Fit For Purpose”? 

• Lessons Learned
  • speed and certainty in decision-making are key
    • efficient planning authorities require adequate funding
    • principle that development acceptable should be established early
  • clear and up-to-date planning policy can provide an important framework for developers and manage community expectation
  • environmental impact assessment is an important aid to decision-making; but should not be an end in itself
  • community “buy-in” can be essential
I see no problems, we can get lots more of these houses into the South East.
Housing

• Some issues
  • identifying sites in a dense urban environment
  • affordability
    • low income families/young professionals/gentrification
  • appropriate housing mix
    • micro-units/tiny houses/integrating residential types
  • residential units as an investment type
    • overseas investments/Airbnb/buy-to-let
  • identifying sustainable locations for new housing
    • mixed use areas/public transport hubs
  • office conversions
Housing

- US Successes
  - zoning overrides
  - impact fees
  - infrastructure support
  - regulatory acceptance
  - form-based codes

- US Failures
  - integration
  - low income
  - gentrification
  - alternatives to the automobile
Housing

• UK Successes
  • affordable housing as percentage of developments
  • higher densities in inner city areas
  • integration with transport links
  • re-use of brownfield sites
  • “starter homes” initiative (hopefully)

• UK Failures
  • failure to meet housing demand
  • housing very expensive in many cities (esp. London)
  • landbanking
  • buy-to-let has inflated prices
  • overseas investment purchases creating 'dead' areas
UK Case Study: Battersea Power Station
UK Case Study: Battersea Power Station

• Large underused development site
• Former Battersea Power Station - Grade 1 listed building
• Major residential-led development
• Extension of Northern Line (London underground) but, issues over
  • high proportion of overseas (investment) purchases
  • most units are expensive
Housing

• Lessons Learned
  • reducing personal vehicle movements will become increasingly important
    • higher densities will be required around public transit nodes
    • more public transit nodes will be needed
  • we need to incentivise developers to bring forward a percentage of “low cost”/starter housing as part of residential schemes
  • greater strategic thinking is needed about infrastructure support for inner urban housing
  • very high land values distort housing supply and will need to be managed
  • individual residential units as an investment vehicle should be discouraged
Transport

H.M. GOVERNMENT
MASS TRANSPORT PLAN
Transport

• Some Issues
  • local highway congestion
    • and its effects on journey times and air quality
  • overcrowding on public transport
  • creating new transport corridors in dense urban areas
  • international transport links
    • ports and airports
  • congestion charging
  • bus and cycle lanes
  • accommodating driverless vehicles
Transport

• US Successes
  • transit-oriented development
  • millennial decision-making
  • increased rail
  • busways
  • Megabus
  • Uber and the like

• US Failures
  • long-haul passenger rail
  • infrastructure maintenance
  • land use regulation around transit stations
  • little regard for climate change
Transport

• UK Successes
  • Planning Act 2008 and hybrid bills delivering major transport schemes between cities
  • congestion charging in London
  • dedicated bus and cycle lanes in inner cities
  • increased use of rail between cities

• UK Failures
  • uncertainty over airport policy is delaying better international links
  • road congestion and resulting delays continue
  • public transport congested at peak periods
  • congestion causes air pollution
US Case Study: Lyft to Light Rail
US Case Study: Lyft to Light Rail

- Free rides to stations
- "First mile-last mile" problem
- City of Centennial, Colo.
- Funded by PPP
  - $200,000 Centennial
  - $200,000 Southeast Public Improvement District
- 6-month trial
Transport

- Lessons Learned
  - It's hard to create new transport corridors in dense urban areas
  - The emphasis will need to be on
    - Tunnels
    - Cycle and bus lanes
    - Frequency, reliability and smart technology (e.g. transport apps)
  - Reducing air quality problems will become a central theme
    - This will strongly incentivise low emission vehicles
  - Road user charging is an important tool
    - And can be used to drive AQ improvements and reduce congestion
  - The effects of driverless vehicles on road demand will need to be understood
Utilities

“We only cut our CO2 emissions to piss off the utilities companies.”
Utilities

• Some Issues
  • particular problems of linear infrastructure projects
    • tunnels/overhead lines/cable ducts etc.
  • private utilities
    • some consequences of privatisation for public acceptance
    • powers of compulsory purchase/eminent domain
  • regional/national benefits vs local impacts
  • construction impacts for major projects in urban areas
  • public engagement
Utilities

• US Successes
  • renewable energy incentives
  • state-level decision making
  • federal incentives
  • state and local programs
  • separating sewers from storm water

• US Failures
  • electric grid
  • pipelines
  • micro-grids
  • coal-fired plants
  • public opposition to wind-power and solar
  • “all or nothing” nuisance and policy power decision making
  • adapting to climate change
Utilities

• UK Successes
  • strong government commitment to new infrastructure projects
  • Planning Act 2008 is delivering major projects
  • National Policy Statements for infrastructure projects
  • the new National Infrastructure Commission

• UK Failures
  • difficulty of balancing national/regional benefits against local impacts
  • lack of community acceptance of major projects
  • opposition to compulsory purchase by private (often foreign-owned) utility companies
  • compensation for compulsory purchase
UK Case Study:
The Thames Tideway Tunnel
UK Case Study: The Thames Tideway Tunnel

• Hugely important environmental project
• Development within 14 local authority areas
• Major construction activities on tightly constrained sites for up to 6 years
• Sensitive environmental issues, including construction noise and ground settlement
• “Safeguarding orders” to prevent other development of sites before project granted development consent
• Legal challenges to secretary of state's decision to grant development consent
Utilities

• Lessons Learned

  • strategic thinking required to meet long term infrastructure needs
  • clear consenting and land assembly powers essential
  • linear utilities hard to retrofit in large cities
  • land assembly problematic given scarce sites; land valuable and infrastructure a LULU
  • construction impacts can be greater than operational impacts for large projects
Reflections on Shared Problems and Shared Solutions

• Do we have any shared solutions to the shared problems posed earlier?
• If so, what are they – and do any of you have better solutions?
How Do We Create Affordable Housing In Cities With High Land Values?

• Moderating land values for housing will involve excluding alternative more valuable uses

• Non-planning tools will be required to “take the steam” out of the housing market
  • targets will include “buy-to-let”/overseas investment

• Residential developers will have to be encouraged to bring forward “affordable” housing

• House building rates will need to be increased

• Landbanking will need to be penalised
How Can We Get People Moving Around and Between Densely Populated Urban Areas?

• Focussing development on public transit nodes
• Increasing frequency, reliability, comfort, speed on public transit
  • bus lanes not only improve bus times, they reduce road space for cars
• Network of cycle lanes will reduce congestion and improve public health
• Taxis/Uber/car sharing etc. have a role to play (and require few central area parking spaces)
How Can We Accommodate Population and Economic Growth within Acceptable Environmental Limits?

- Reducing the carbon footprint of large cities will be a major challenge for the 21st century
- Likely to involve
  - creation of more sustainable, resilient building forms addressing global climate change
  - significant changes in transport modes
  - more tele-commuting
  - major move towards non-carbon energy sources
  - reductions in personal energy/water/waste usage
- Our planning systems will have to respond to and facilitate these changes
How Can We Provide Infrastructure to Support 21\textsuperscript{st} Century Expectations in Old (Sometimes Ancient) Cities?

- Utility companies will need to be incentivised to bring forward 'difficult' inner urban infrastructure schemes
- Strong consenting and land assembly powers will be required
- Potential development sites will have to be “safeguarded” to stop alternative development
- Community impacts will need high levels of mitigation
- Mechanisms will be needed to overcome “short term” solutions
How Can We Achieve “Buy In” from Local Politicians and Communities?

• Understanding that development rarely brings direct benefits for local communities, but it often brings direct impacts

• Recognising that genuine engagement means sharing information and open-minded scheme optioneering

• Focussing on maximising benefits and mitigating impacts

• Land assembly compensation above open market value to reflect “compulsion”
Sousa prefaced the score with a quotation from the English diplomat, John Hookham Frere (1769-1846):

"A sudden thought strikes me; let us swear eternal friendship."