



# Liveability and Smart Precincts – Macquarie Park Innovation District in Ryde

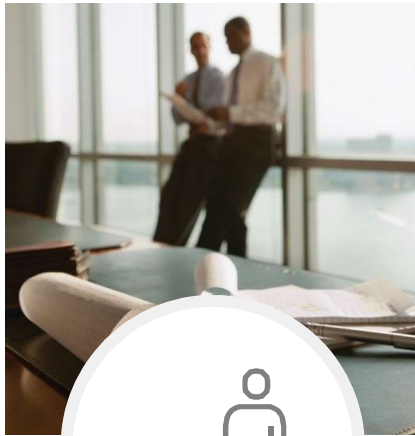
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The better the question. The better the answer.  
The better the world works.





# How EY is thinking about Future Cities and smart precincts



## Resilience

Urban resilience is the capacity of individuals, communities, institutions, businesses and systems within a city to survive, adapt and thrive.



## Citizen-centric

Cities are living organisms whose major hallmarks are the people who live there and how they interact.



## Ecosystem collaboration

With the citizen at the centre, governments, entrepreneurs and corporations need to collaborate and to co-design strategies.

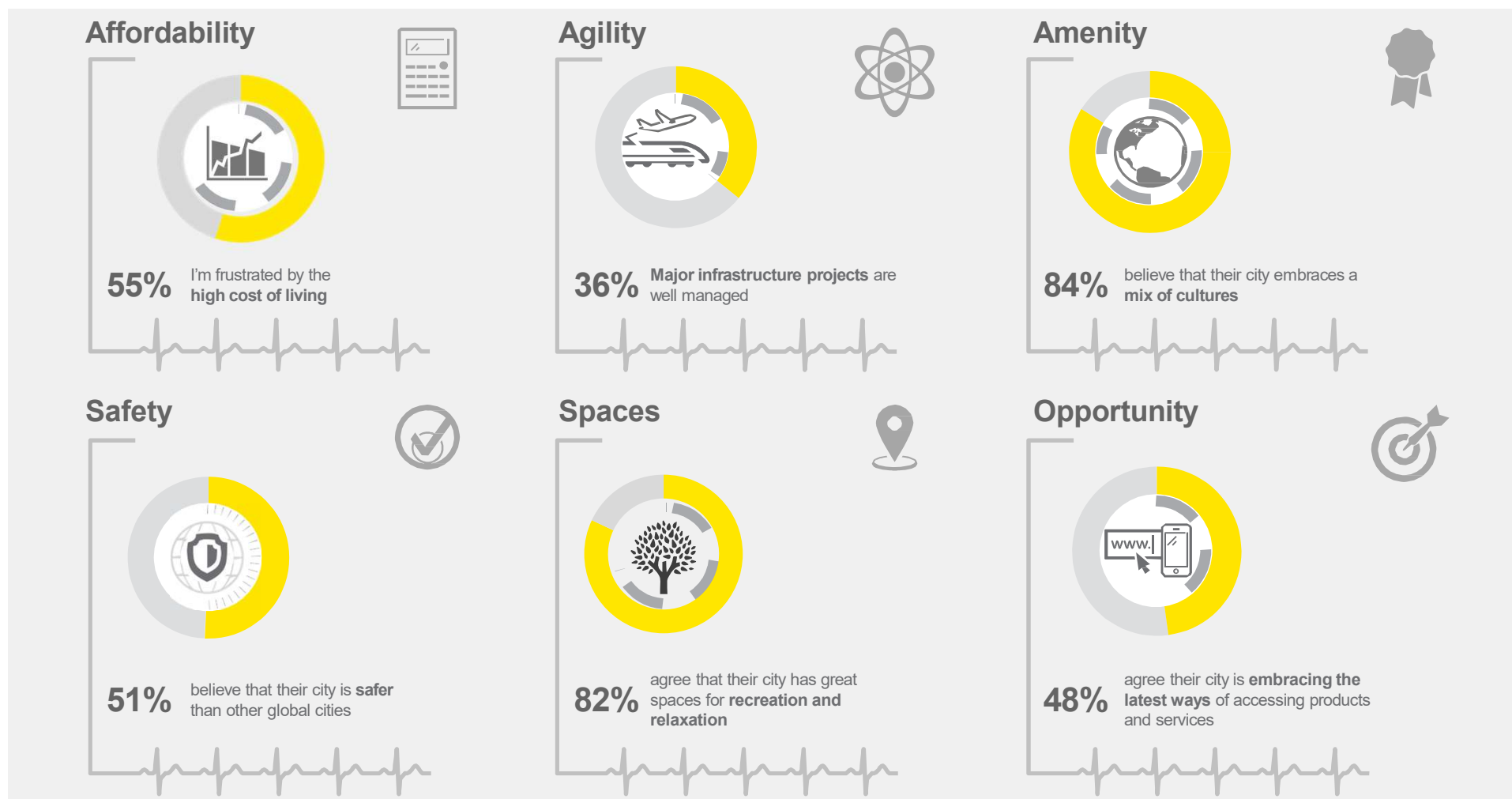


## Data & Technology enabled

Data is the asset for smart and resilient cities. Smart cities are capturing and using data to improve operations, efficiency, and overall quality of urban life.



# Understanding what citizens think: Sydney & Melbourne



# Pioneering urban models are needed to support and drive smart innovation precincts



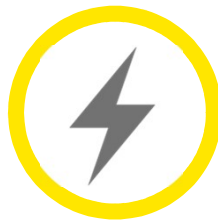
Industry 1  
1760s

Mechanisation, water power, steam engine, factories, iron and textile industries



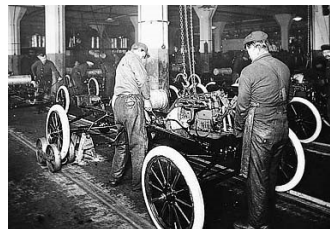
**The city is the factory**

Proximity to transport, natural resources and labour



Industry 2  
1870s

Electricity, internal combustion engine telephone/telegraph, mass production systems



**Industrial parks and estates**

Areas zoned and planned for the purpose of organised production & industry specialisation



Industry 3  
1970s

Personal computer, internet, information & communications technology, digital transformation



**Business and technology parks**

Lower costs and technology transfer in a suburban campus setting



Industry 4  
Today

Digital revolution, cognitive computing, cyber physical systems, robotics, biotechnology



**Industry and innovation clusters**

Creative & productive ecosystems in dense, diverse, collaborative urban environments



# Best practice smart precincts: rich in place and innovation

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- ▶ “Geographic area where anchor institutions and companies cluster and connect with small firms, start-ups, business incubators and accelerators”  
Julie Wagner, Brookings Institute

**Macquarie Park:** life sciences, tech, digital



**Barcelona:** IT, media, science



**Boston:** cleantech, health, media, spatial



**Toronto Waterfront:** urban innovation, mobility





# Macquarie Park Innovation District – factors of success

- ▶ MPID: transformation from traditional business park to true innovation ecosystem
- ▶ Proximity to financial, human and natural capital; place-based integration with urban environment
- ▶ Benefits for university, businesses in MPID, local governments & into broader community
- ▶ Example of strong partnerships with Macquarie University, NSW Government, industry & local government to enhance liveability of LGAs in Northern Sydney region



## Questions and discussion


### Future Cities

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Smart and resilient cities

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