



Smart Cities

Lendlease believes technology and data, infrastructure and service systems can be used to enhance the way our cities work. However, our cities and urban areas need to be more than 'smart', they need to be liveable, healthy and sustainable places.

Technological solutions such as big data and the internet of things are a part of the solution but so too are strong regulatory and governance frameworks.

Lendlease already uses digitisation and analytics to generate insights to improve the design and performance of the places we deliver, for example International Towers Sydney, Barangaroo. Smart solutions, including smart cities will also be delivered when urban environments and cities deliver superior environmental, social and economic outcomes for our communities.

What is a Smart City?

A smart city is where traditional networks and services are made more flexible, efficient and sustainable with the use of information, digital and telecommunications technologies, to improve how a city operates.

Using data to measure and improve the performance of urban systems lies at the heart of the concept.

Smart cities should provide their citizens with the following:

- **Data as a utility** – providing an ability to collect, communicate and analyse data
- **Smart Infrastructure** – using smart infrastructure technologies to provide more intelligent services
- **Smart technology enablers** – using the Internet of Things to lay the groundwork for the digital economy to evolve
- **An agile master planning system** – this creates the capability to adopt and harmonise emerging innovations and disruptive technologies

A broader context needs to be considered when discussing the need for smart cities. Urbanisation is occurring at a rate faster than any time in history.

The World Economic Forum has estimated that 60 per cent of the areas where the world's urban dwellers will live in 2030 are yet to be built. According to this analysis, \$US3.7 trillion will need to be invested into new infrastructure globally every year until 2050.