

## Sydney: Delivering a green, global and connected city

Sydney is Australia's financial and economic capital with a long term vision and a clear set of goals to make it as green, global and connected as possible by 2030. We are combining our local knowledge with our global expertise and best practice to deliver solutions that realise this vision.

### Sydney Metropolitan Area



Current population - 4.6 million



Projected population 2031 - 5.86 million

**\$565 billion** a year by 2031 Economic output set to almost double to \$565 billion a year by 2031



Source: Population, Household & Dwelling Projections - Department of Planning and Environment, NSW Government; A Plan for Growing Sydney - Department of Planning and Environment, NSW Government

**1,566,450** dwellings in 2011

**664,300** additional new dwellings required by 2031

**50%** increased canopy cover by 2030  
**Over 10,250** trees planted to reduce the urban heat island effect

Source: Sustainable Sydney 2030 - City of Sydney; Decentralised Water Master Plan - City of Sydney; Transport for NSW

### City of Sydney

**-30%** of the city's water demand from recycled water by 2030 Decentralised Water Master Plan



**80%** of trips to work to be made using public transport by 2030

**100%** renewable energy target by 2030 Renewable Energy Master Plan

### Sydney Light Rail



**9000** people to be transported every hour on the Sydney Light Rail, by a \$2.1 billion, 15km city centre extension

**\$4 billion** in economic benefits

**5,052,256** metric tons Citywide CO2e emissions As reported by the city to CDP Worldwide, 2015

**70%** CO2e emissions reduction target by 2030 (on 2006 levels)

## Our Focus



### Mobility

Supporting the creation and delivery of integrated transport solutions to enhance connectivity and transport choices. Realizing the potential of Mobility Oriented Development (MODE) and supporting a modal shift to public transport through our work on the CBD and South East Light Rail project.



### Resilience

Delivering solutions that respond to significant resiliency challenges including heat waves, flooding and aging infrastructure to ensure that buildings, neighborhoods and infrastructure adapt successfully allowing Sydney's economy to thrive.



### Regeneration

Sydney presents significant opportunities for urban transformation including the Bays Precinct incorporating 80 hectares of land nestled in 94 hectares of waterways. Our global expertise in asset-led transformation facilitates the renewal of underperforming assets including land, neighbourhoods, infrastructure and buildings to deliver value to our clients and enhance quality of life.

## Key project activities

### Sydney International Convention, Exhibition and Entertainment Precinct (SICEEP)

Sydney's Darling Harbour is being reshaped as Australia's largest convention, exhibition and entertainment destination. Providing engineering, traffic and façade design services, Arcadis is playing a key role in delivering landmark features like a new 656 bed hotel, a 8,000 m2 Convention Center, 40,000 m2 of new exhibition space and an entertainment facility capable of holding 8,000 people.

### CBD and South East Light Rail (CSELR)

Sydney's \$2.1 billion Light Rail links Circular Quay, the CBD and southeast districts like Moore Park and the University of NSW. Providing Independent Certifier services, Arcadis is ensuring this standout transport project is not only designed and constructed to world class standards, but will transform Sydney travel when it opens in 2019.

### Developing the City of Sydney's five year Carbon Neutral Strategy

Sydney Council's decision to become "carbon neutral" has relied on understanding its emissions footprint and smart strategies to

manage them responsibly. Arcadis has been crucial to achieving that vision, most recently developing a 5-year strategy covering financial and environmental risk management, action plans and principles to reduce the Council's carbon emissions profile.

### Northern Beaches Hospital

The brand new Level 5 Northern Beaches hospital will provide crucial healthcare services to one of Sydney's fastest growing communities. Providing structural, civil, façade and traffic engineering services, Arcadis is delivering a contemporary facility with a 50-space emergency department,

14 operating theatres, state-of-the-art intensive care and critical care units, and a modern inpatient mental health service.

### Darling Quarter

A \$560 million revitalization of this Darling Harbour precinct mixes innovative commercial, retail and public space. Providing civil, structural and traffic engineering advice, Arcadis was crucial to delivering seamless integration of the many outdoor features, including Sydney's largest children's playground, new public domain walkways, buildings and linkages, and extensive water landscaping.