



# Melbourne Future-proofing livability

City data report 2021



## OVERVIEW

Consistently ranked as one of the most livable cities in the world, Melbourne has engineered solid plans to build on its core strengths.

### DIGITALIZATION READINESS

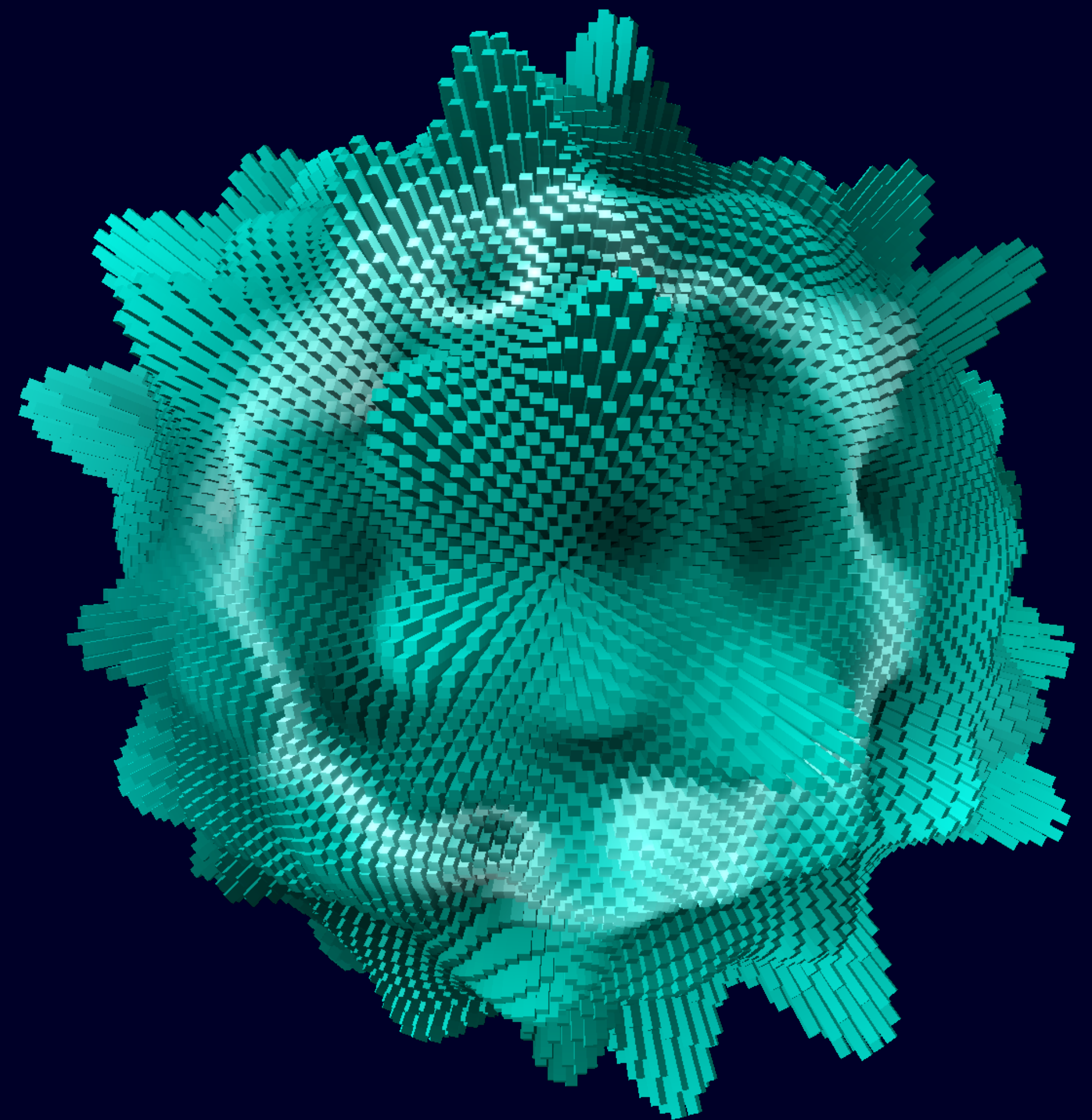
6/10

Smart infrastructure is already paving the way to net zero by reducing Melbourne's energy use and emissions.

### DIGITALIZATION POTENTIAL

3/10

Embracing Industry 4.0 will help Melbourne's thriving economy to achieve an even more impressive contribution to national GDP.



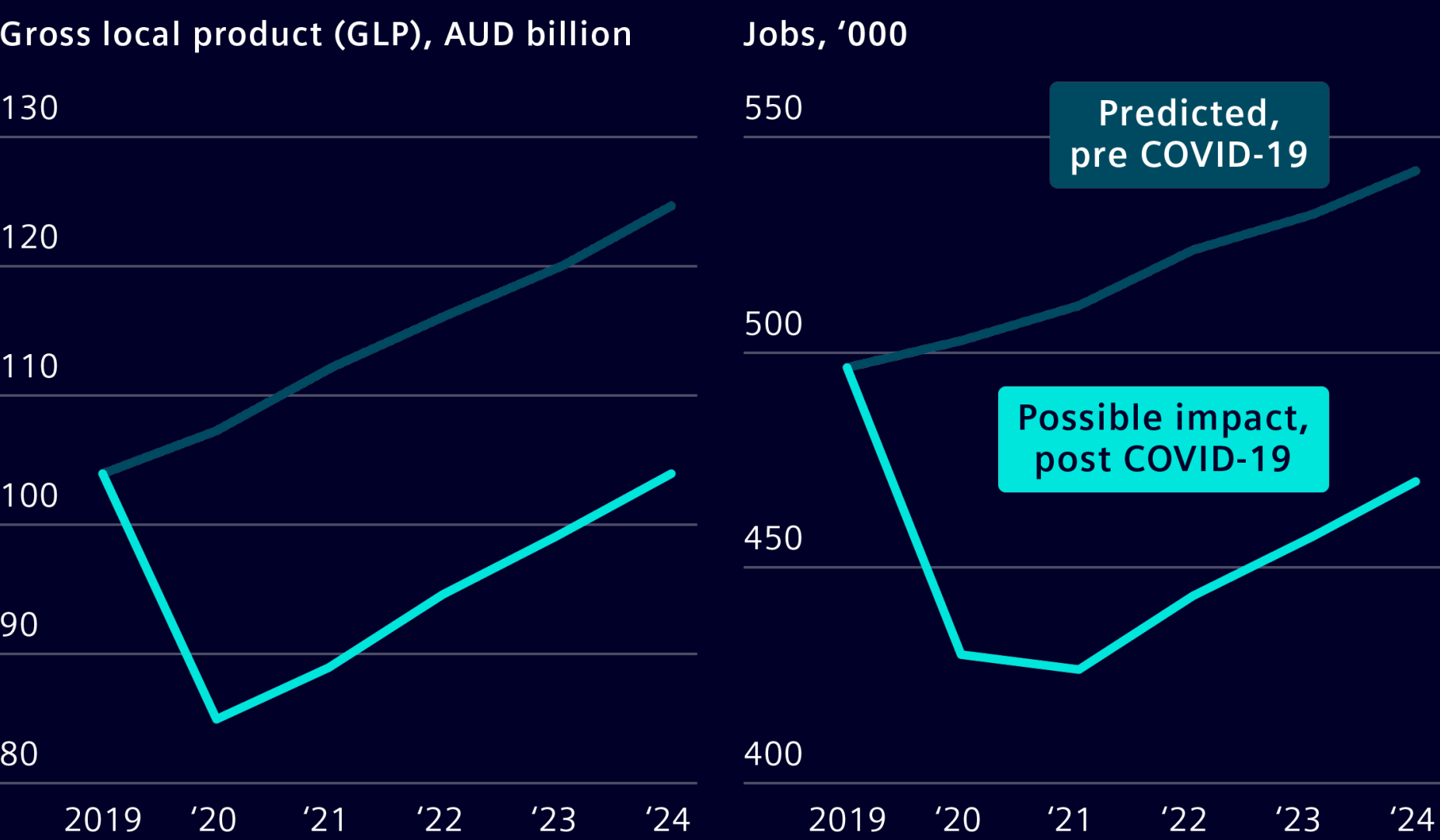
SUSTAINABILITY

# Climate investment

Melbourne’s Central Business District relies heavily on commuters and visitors, yet the global pandemic reduced pedestrian numbers to a low of just 10% of normal levels. The city’s new **Economic Development Strategy** seeks to address the impacts of the pandemic, but in a way that contributes to its 2050 **Climate Change Mitigation Strategy**.

The **Economic Development** Strategy focuses on eight core pillars that will unlock Melbourne’s ‘climate capital’ and establish it as a leading market for sustainability innovation. This includes promoting public-private partnerships to develop climate solutions, and supporting small businesses and start-ups that demonstrate positive social and environmental impacts.

CO<sub>2</sub> emissions per sector in the municipality of Melbourne, 2017



Source: **City of Melbourne**

## MOBILITY

## Boosting metro capacity

The population of Greater Melbourne is expected to double over the next 30 years, and the city has responded with a 10-year **Transport Strategy** that will move an additional 500,000 people around the city by 2036.

Playing a significant role are Melbourne's new Metro Tunnel and Metro Line. As well as alleviating some of the city's escalating traffic challenges, the 9-kilometer twin-rail tunnels and five new underground stations will help to attract the visitors needed to rebuild Melbourne's \$5.7 billion retail and hospitality sector. Siemens has been supporting the metro project with a range of solutions, including tunnel ventilation and control building management, power and distribution transformers, switchgear, protection systems, traction power components, and substation automation.

Layout of Metro Line 1



Source: **Metro Tunnel**

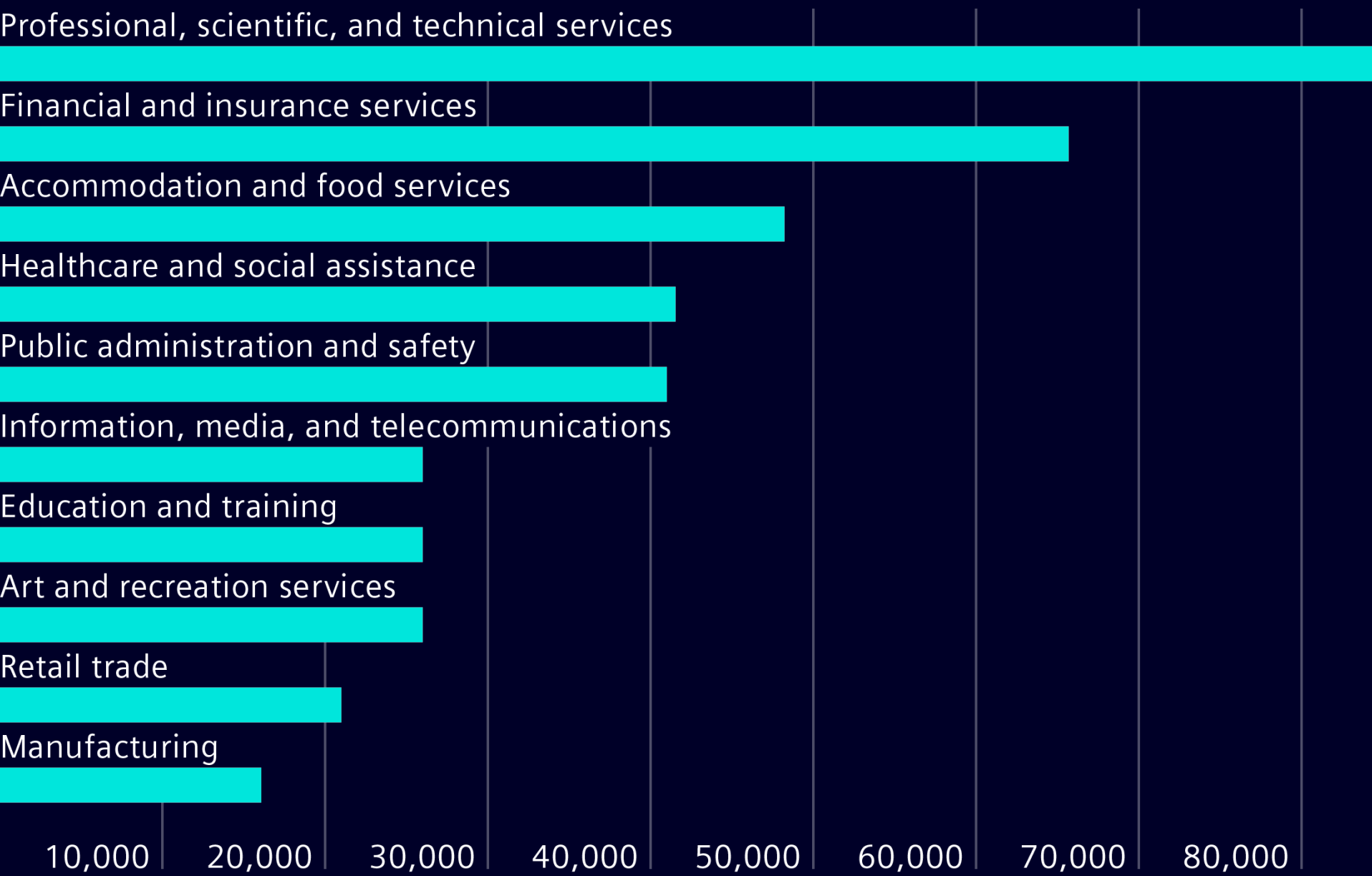


OPPORTUNITY

# Capitalizing on data

Melbourne’s **Economic Development Strategy** champions a more digitally-connected city, with the creation of a City Intelligence Hub that builds on Melbourne’s pioneering open data platform. Plans include the creation of **digital twins** of key systems, supported by skills development and educational programs. The Victorian Government is also investing in a **digital twin of Victoria** to help improve the way it approaches future urban planning projects.

Sectors with the highest employment, 2019



Source: City of Melbourne Draft Economic Development Strategy

# THE ATLAS OF DIGITALIZATION



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