



São Paulo Innovation megacity

City data report 2021

OVERVIEW

Capitalizing on its reputation as the nation's innovator, São Paulo is pioneering solutions to the wide range of challenges it faces.

DIGITALIZATION READINESS

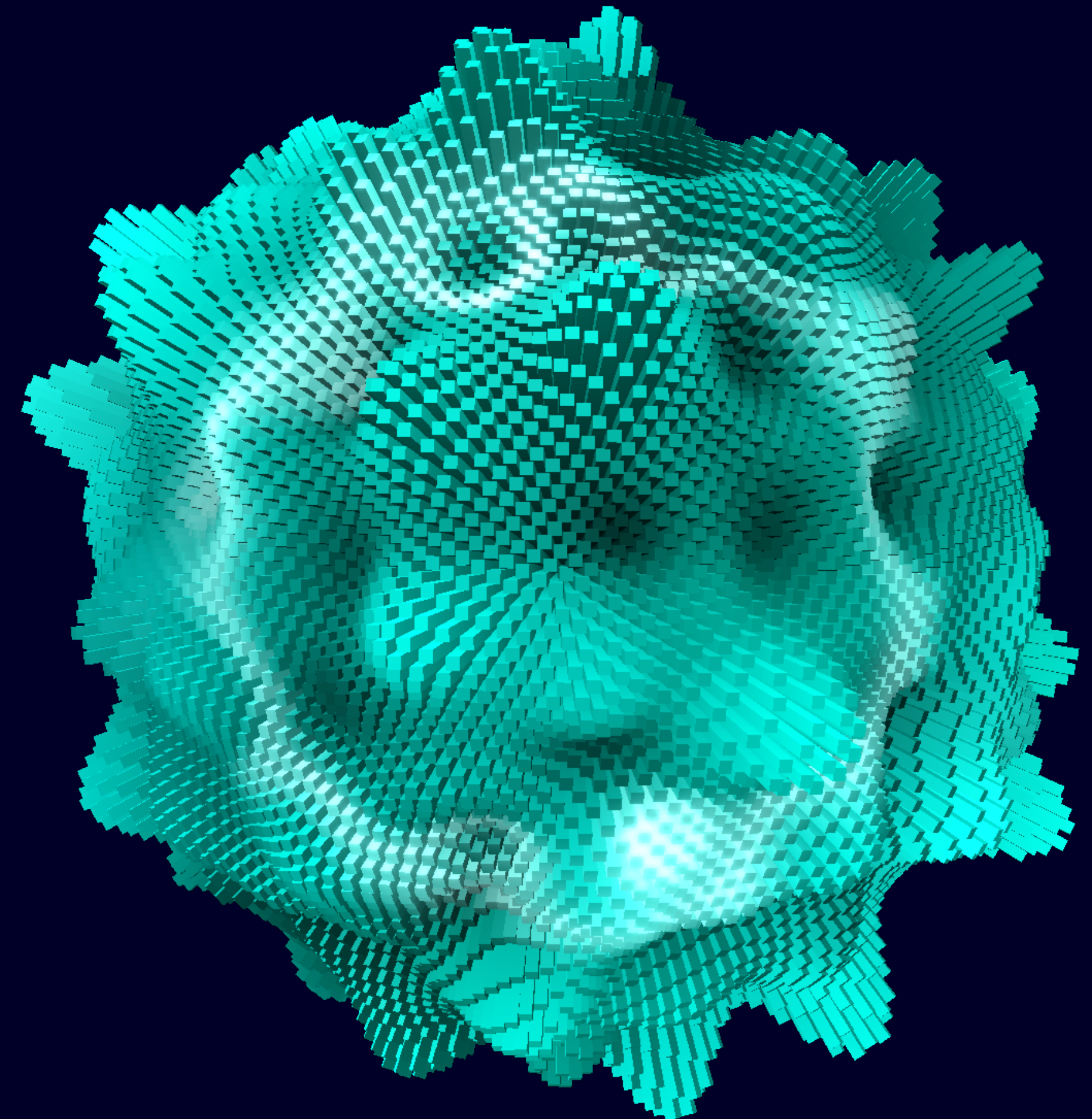
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Smart technology is helping to improve mobility in São Paulo, including automated control on its metro, and bike and scooter-sharing apps.

DIGITALIZATION POTENTIAL

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Home to the majority of Brazil's innovators, São Paulo has launched public innovation labs to cultivate ideas that bring benefit to citizens.

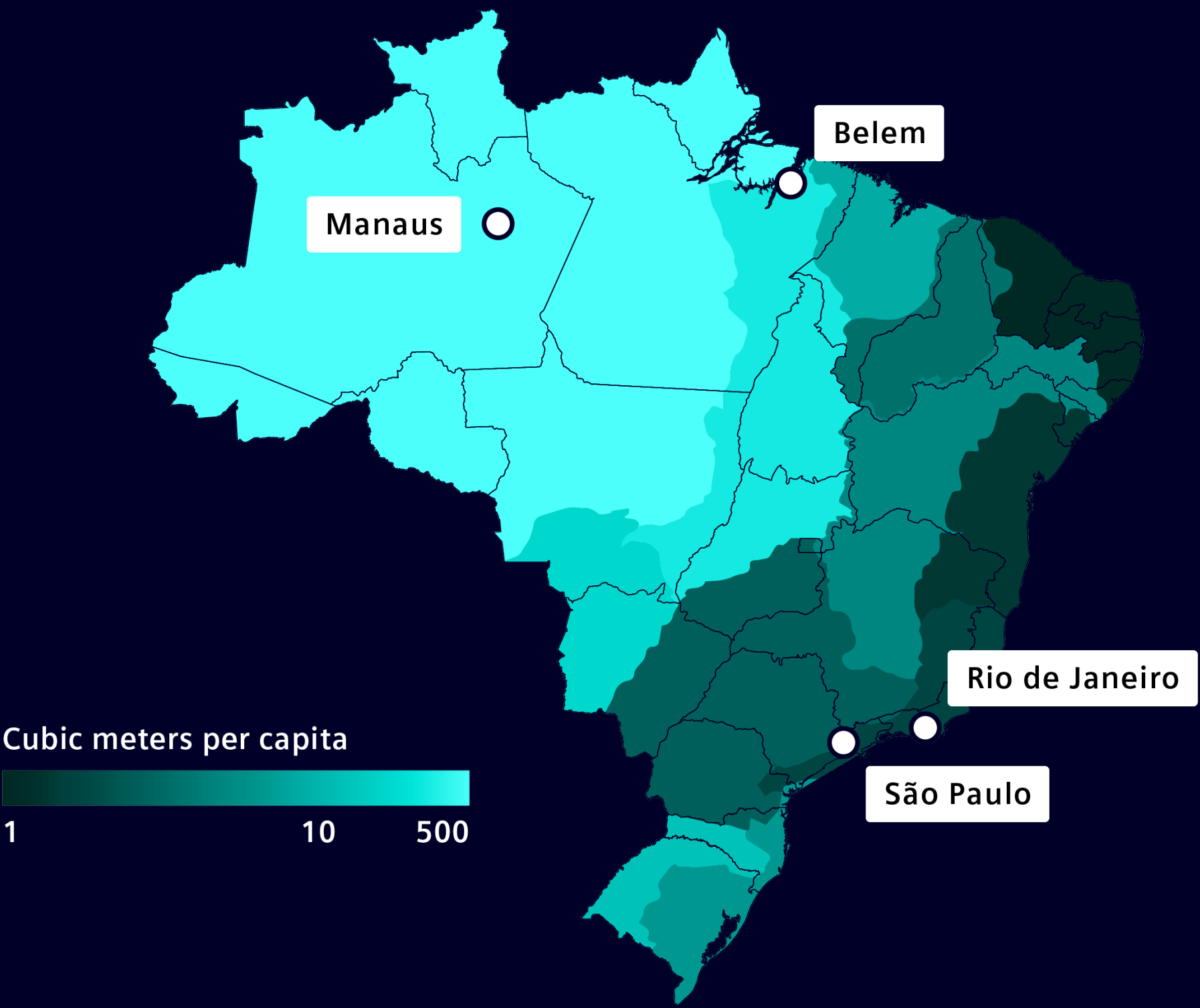


SUSTAINABILITY

Recovering water

Echoing the green-space challenge, São Paulo faces significant water shortages and pollution despite Brazil having the largest quantity of freshwater in the world. Unfortunately, the nation’s water is unevenly distributed, and demand in São Paulo often exceeds supply, causing droughts that are steadily being exacerbated by climate change. Furthermore, São Paulo has lost around 35% of its water distribution. The **Siemens Water (SIWA)** digital services platform is a complete portfolio of software and automation solutions that make water systems safer and more efficient.

Annual renewable surface water resources of Brazil



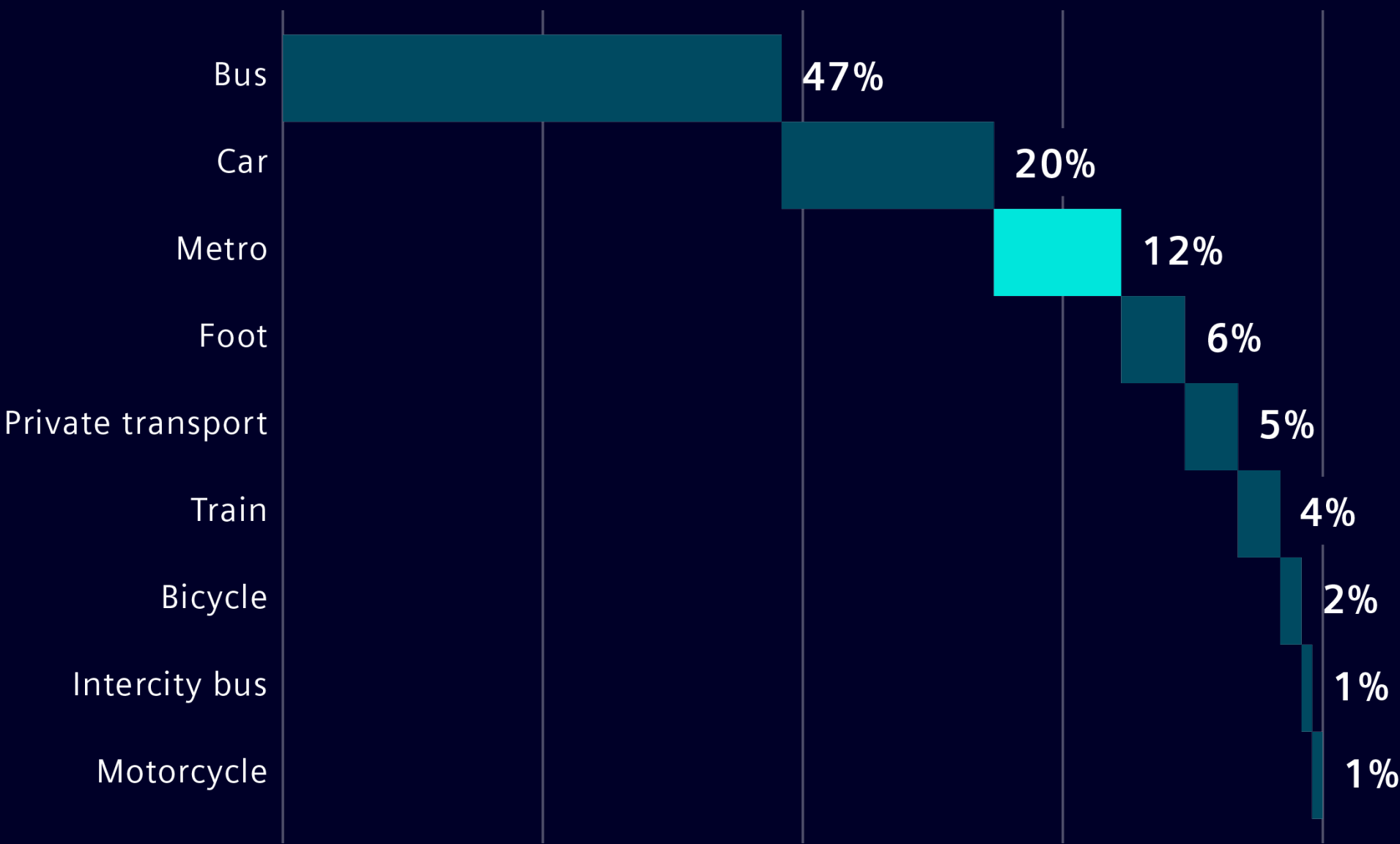
Source: **Circle of Blue**

MOBILITY

Public transport improvements

Despite lower investment in public transport over recent years and economic difficulties caused by the pandemic, São Paulo has been steadily upgrading the lines to improve efficiency, regularity, and safety. For example, Siemens supplied **electrification solutions** for Line 9 of the CPTM system, including substations, transformers, medium and low-voltage panel columns, energy automation solutions, and protection systems. Siemens also supplied CPTM with **signaling** for Line 10 and Line 11.

Transport share in São Paulo, 2019



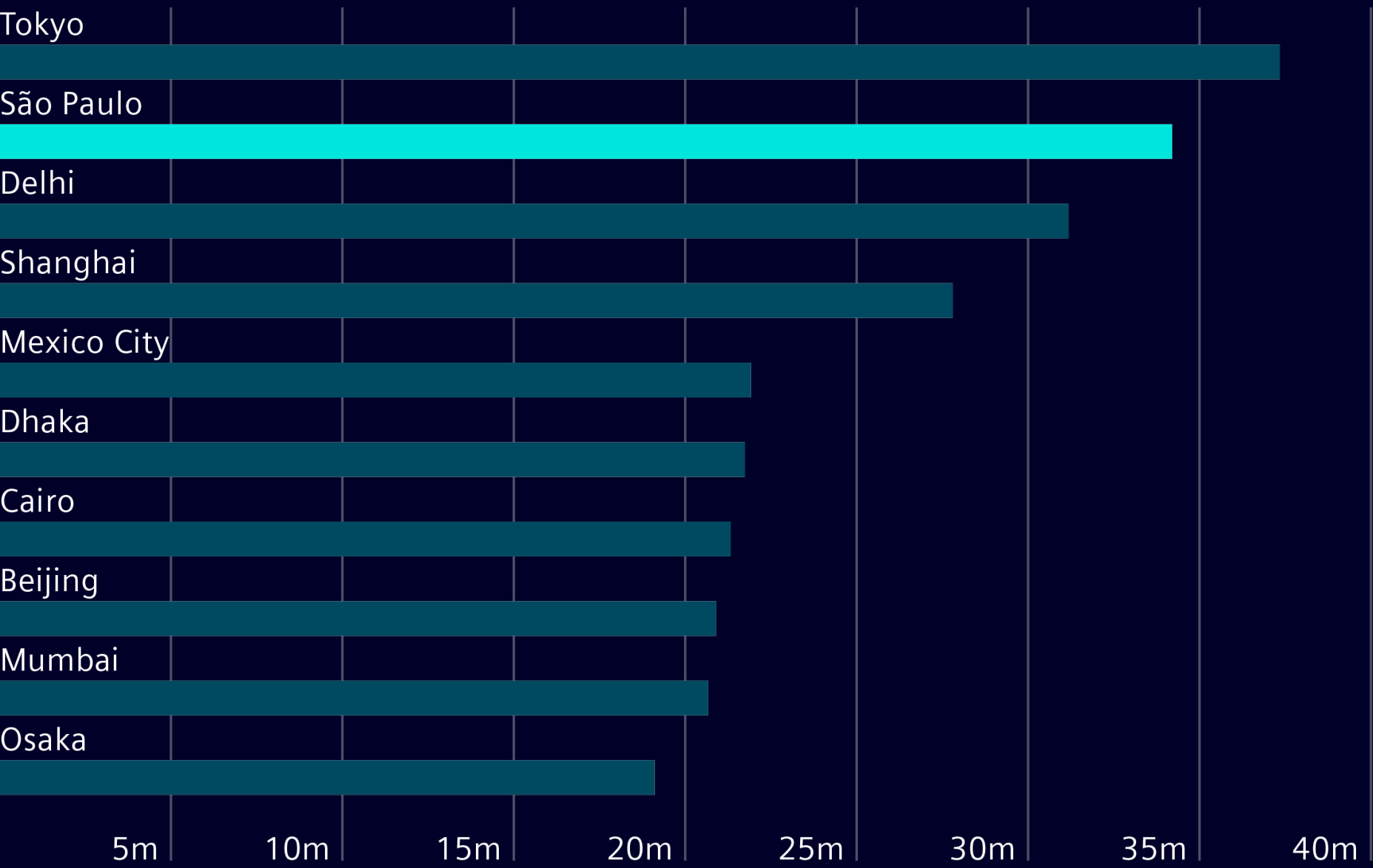
Source: **Summit Mobilidade**

OPPORTUNITY

Brain power in Brazil

São Paulo is keen to capitalize on its intellectual strength, and recently launched three public innovation labs to support start-ups that address the city’s challenges. For example, MobiLab is an open data laboratory that focuses on agile solutions that enhance urban mobility.

Common innovation activities, São Paulo vs other cities*



Source: **OECD City Innovation**
*Participating cities in the OECD/Bloomberg Survey on Innovation Capacity in Cities 2018

THE ATLAS OF DIGITALIZATION



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