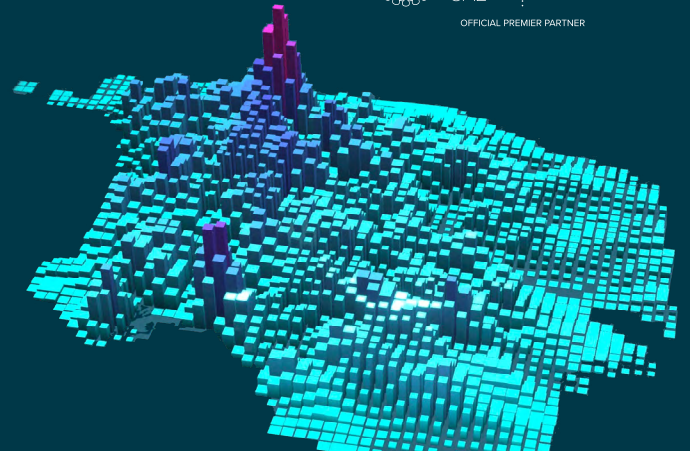


# Los Angeles

The Californian city of 15.5 million people is transforming its reputation by setting ambitious sustainability targets, powering the bright lights of Hollywood with a growing renewable energy sector.



The Atlas of Digitalization demonstrates how smart cities across the world are realizing their potential through digital technological innovation.

Like all cities, Los Angeles faces unique challenges that require distinct solutions, and our Digitalization Readiness and Potential scores compare how prepared each is for a connected future, and what opportunities they have to transform beyond where they are today.

7 /10

### Digitalization Readiness

LA achieves a high digital readiness score for its widespread internet infrastructure and smart meter use.

3 /10

### Digitalization Potential

LA must integrate attempts to relieve congestion and reduce carbon emissions with new product ecosystems such as electric car sharing recharged by energy from virtual power plants.

Each score pools data from a range of sources, rating developments around **Sustainability, Mobility** and **Opportunity**, the key themes from Expo 2020 Dubai.

### Sustainability

How and what energy is used in buildings, travel and public spaces.

### Mobility

Where, when and how people travel and connect and the impact it has.

### Opportunity

How much people enjoy city living and how businesses thrive.



## Sustainability

Solar panels could reduce reliance on carbon energy sources.

An analysis by the Siemens City Performance Tool predicts that the ongoing rollout of PV panels will create around 70,000 full time jobs between now and 2050.

LA's GHG emissions, annual metric tons of CO<sub>2</sub>eq, (from energy use in buildings and transportation)



Source: Siemens City Performance Tool

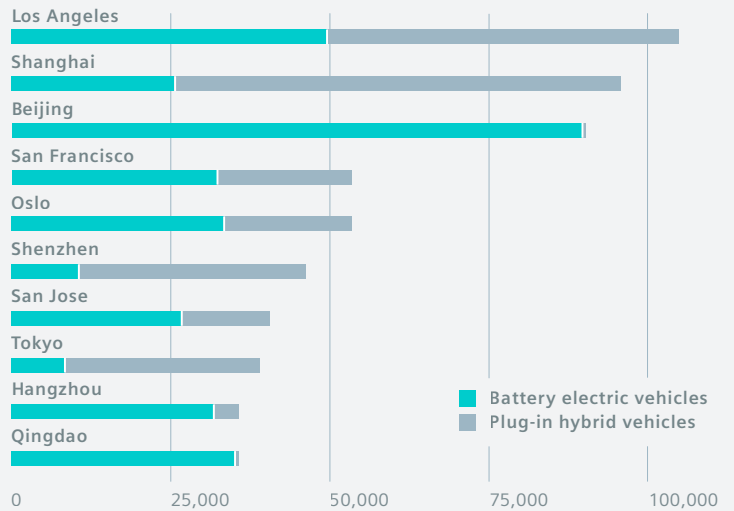


## Mobility

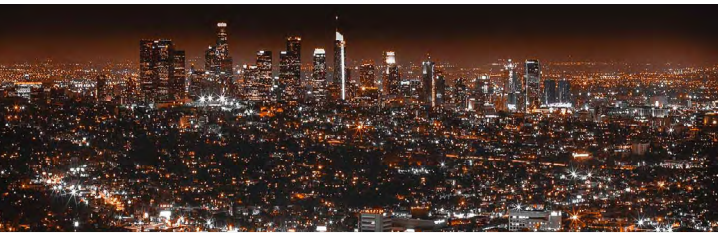
**Converting the bus fleet to electric improves air quality.**

The 2028 Summer Olympics may also increase electric car sharing and create up to 200,000 new jobs. Siemens has demonstrated how an eHighway solution for hybrid electric or fully electric trucks could charge while they drive.

Cumulative electric vehicle sales, through 2016



Source: International Council on Clean Transportation

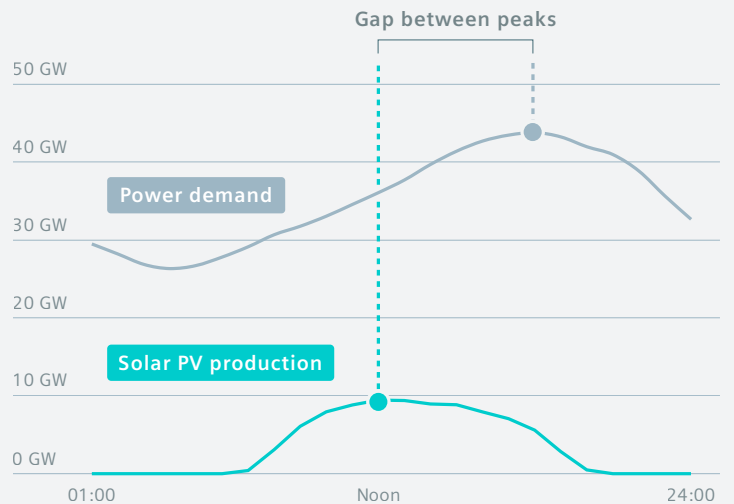


## Opportunity

**Distributed Energy Resources are used to generate energy locally.**

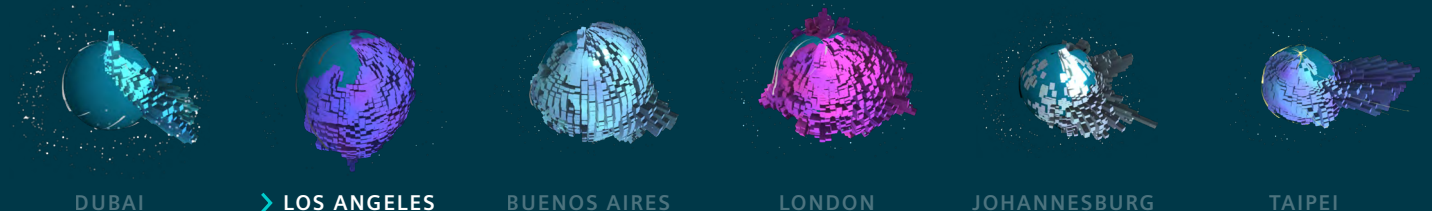
9% of electricity is currently lost in long-distance transfers so rooftop solar panels are used to create local energy. Surplus energy can be retained when supply is high and distributed when needed.

California peak solar production vs power demand, August 1, 2018



Source: California Independent System Operator

For more information on Los Angeles, explore The Atlas of Digitalization



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