

# Urban Bike-Sharing



→ **Hangzhou, China, boasts the world's largest bike-sharing program.**

The Hangzhou bike-sharing system has **60,600 bikes operating from 2,700 stations**. Bike-sharing stations can be found **every 100 meters**. Users can ride for free for the first hour, followed by 1 yuan (\$0.16) for the second hour, 2 yuan (\$0.33) for the third hour, and 3 yuan (\$0.49) for each additional hour.

First-time users pay a 200-yuan (\$32.50) deposit to obtain a smart card for bike-sharing use. **Smart-card technology** facilitates automated check-in and check-out at bicycle docking stations. Hangzhou Public Bicycle plans to expand to 175,000 bikes by 2020.

## Why a Sustainability100 solution?

The Hangzhou Public Transport Corporation launched the bike-sharing system in 2008, in response to growing traffic congestion and air pollution. A March 2010 survey of Hangzhou Public Bicycle members and non-members found that 30% of bike-share users incorporated bike-sharing into their commute. The survey also found that the bike-sharing system captured modal share from bus transit, walking, cars, and taxis.

**ENVIRONMENTAL**  
Bike-sharing can displace trips by car, which reduces tailpipe emissions and traffic congestion.

**SOCIAL**  
Quick and convenient bike-sharing programs make it easy to get around by bike, which promotes healthy living.

**ECONOMIC**  
The bikes are free to use the first hour and provide a free or cheap alternative to cars for shorter distances.

Developed in China  
→ Deployed in **China**



**Solution by Hangzhou Public Transport Corporation**