

OPEN SOURCE BIKE SHARE

The world's first low-cost and open-source bike-sharing system

We are a company specializing in creating private and community bike-sharing systems.

We believe that every community should provide suitable and sustainable conditions for the mobility of its members. That is why we have created a simple and affordable alternative to the complex and expensive bike-sharing systems known from big cities. Our system is easy to set up, easy to use, and easy to sustain.

Open Source Bike Share **is customizable to your needs.**

What your local bike share needs is our app, bicycles, locks, stands, and a web hosting. (Optional features are SMS gateway and payments system.) Our company specializes in app development and with affiliated suppliers, we are also able to provide the hardware. All depends on you and your requirements.

Below are some examples.

**All calculations are estimates and prices informative.*

PRIVATE COMPANY BIKE-SHARING MODEL



A COMPANY WITH 4 LOCATIONS FACILITATING
EMPLOYEE MOBILITY



100 BICYCLES

4-8 BIKE SHARE STATIONS



(OPTIONAL BLUETOOTH BEACONS)



COSTS

SOFTWARE

- US\$ 2,000 system setup incl. secure hosting
- US\$ 200 custom SMS gateway connector setup

SERVICE CONTRACT

- US\$ 500 per month for system administration and support¹
- SMS gateway (optional) – custom pricing based on message volume

HARDWARE SETUP

- 100 bicycles × US\$ 500 = US\$ 50,000
- 100 locks × US\$ 40 = US\$ 4,000
- 70 U-bike stands² × US\$ 150 = US\$ 10,500
- (optional Bluetooth beacons and sensors – ca. US\$ 10/piece)

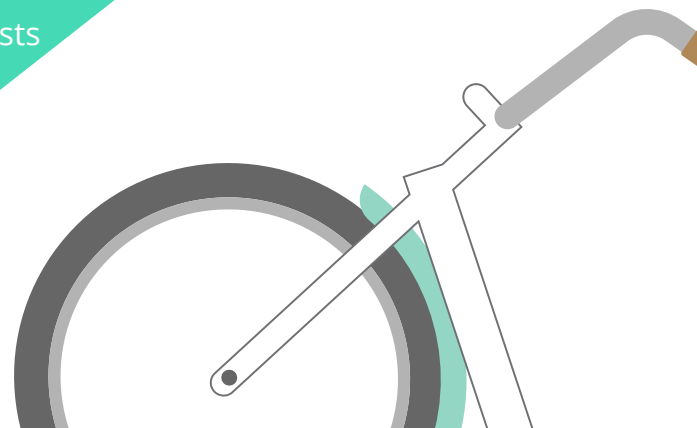
MAINTENANCE COSTS PER YEAR (EST.)

- 5% replacement:
 - 5 bicycles × US\$ 500 = US\$ 2,500
 - 5 locks × US\$ 40 = US\$ 200
- parts³ replacement and maintenance: approx. US\$ 2,400
- weekly check and repair: 48 man-days – costs vary (US\$ 4,800 - 12,000)

¹ Support includes a 24-hour response time, 2-day resolution time, updates and upgrades, bug fixes, security patches, etc.

² This is an option with no stacking, i.e. one bicycle is locked to either side of the stand. Stacking bicycles one onto another requires fewer stands and lowers the costs significantly.

³ Brakes, tires, pedals, lubricants, accessories, etc.



COMMUNITY BIKE-SHARING MODEL



E. G. A SMALL TOWN, TOURIST AREA, UNIVERSITY CAMPUS



100 BICYCLES

40 STATIONS



40 U-BIKE STANDS + 5 REPAIR STANDS



750 USERS, 150 OF THOSE INTENSE USERS

COSTS

SOFTWARE

- Free on DIY basis
1950 USD, if set up by OSBS team
- US\$ 200 custom SMS gateway connector setup

SERVICE CONTRACT

- US\$ 20 per month for secure hosting
- SMS gateway (optional) – custom pricing based on message volume

TRAINING

- US\$ 500 one-time system administration and support training

HARDWARE SETUP

- 100 bicycles × US\$ 500 = US\$ 50,000
- 100 locks × US\$ 40 = US\$ 4,000
- 40 U-bike stands⁴ × US\$ 150 = US\$ 6,000
- (optional Bluetooth beacons and sensors – ca. US\$ 10/piece)

MAINTENANCE COSTS PER YEAR (EST.)

- 5% replacement:
 - 5 bicycles × US\$ 500 = US\$ 2,500
 - 5 locks × US\$ 40 = US\$ 200
- parts⁵ replacement and maintenance:
approx. US\$ 2,400
- weekly check and repair may be taken care of by users and/or volunteers

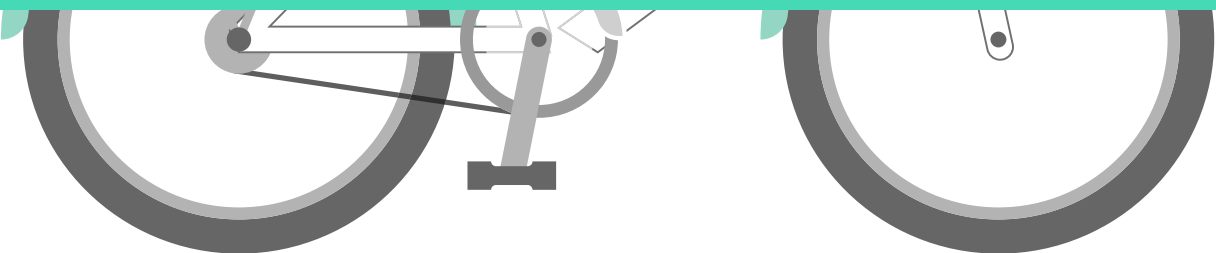
¹We recommend stacking the bicycles one onto another to save room and keep costs low.

²Brakes, tires, pedals, lubricants, accessories, etc.



PRICING

Payment per ride		Hourly payments	
<30 minutes	FREE	<2 hours	FREE
1st hour	\$1	each new hour	\$2
2nd hour	\$2	max. 16 hours	
3rd hour	\$4		
penalty after 16th hour: \$100			



- 95% of users ride less than 30 minutes, which makes \$10/day = \$3,650/year
- yearly membership: $\$30 \times 750 \text{ users} = \$22,500$