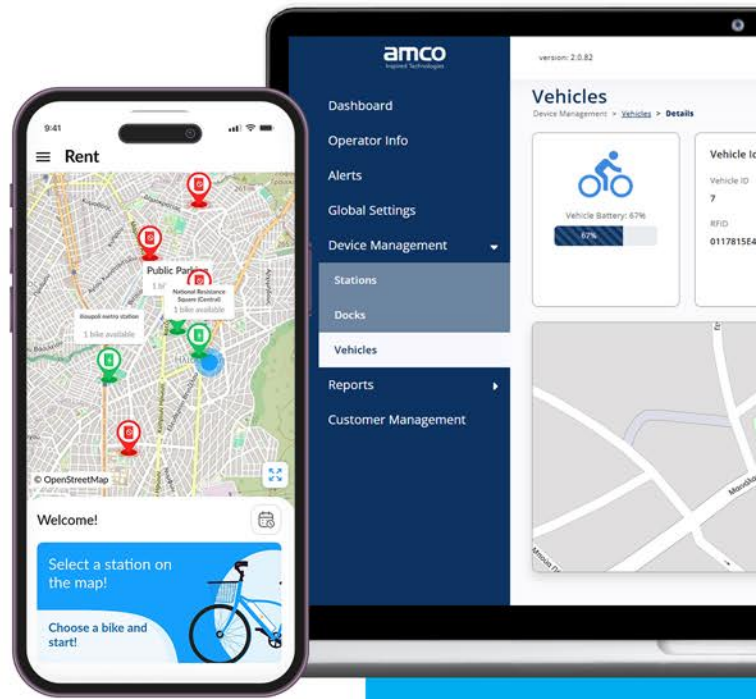


Smart-Bike

The Smarter Way to Move Around Your City.

Smart-Bike is a flexible, user-friendly bike-sharing app designed to make urban mobility simple, reliable, and sustainable. Whether you're commuting, exploring, or just enjoying the ride, everything you need is at your fingertips.



Mobile Key Features

- **Quick Sign-Up & Unlocking**
Start riding in seconds with multiple unlocking options — bank card, Tax ID, or other methods tailored to your city.
- **Live Station Map**
Check station details in real-time, including working hours, maintenance times and status, color-coded for clarity: closed stations, working stations, bikes available, or no bikes available.
- **Smart Parking Option (Park Near)**
If a station is full, simply park nearby (within a configurable distance) and finish your ride without hassle.
- **Rides & History**
Ride, pause when needed, and review your past rides.
- **Get Real-Time Notifications**
Get real-time notifications during your ride if you exceed the maximum ride duration, go beyond the geofence, or your bike battery runs low.
- **Reporting**
Report problems with bikes, docks, kiosks, or the app directly, with photo uploads for fast resolution.
- **Ride & App Rating**
Rate your ride at the end of it and add comments. You will also be prompted to rate the app, based on predefined rules. Your feedback matters!
- **Flexible Charging Options**
Operators can configure the system to require a refundable deposit (returned after the ride is completed) or apply usage charges based on custom rules.
- **Clear Rules & Support**
Stay informed with transparent usage rules, deposits, and geofencing, plus direct support via phone or email.
- **Customizable Themes**
The app adapts to each operator's look and feel, with full support for dark mode for a modern and comfortable experience.

Smart-Bike
Mobile & Backend
The Smarter Way to Move

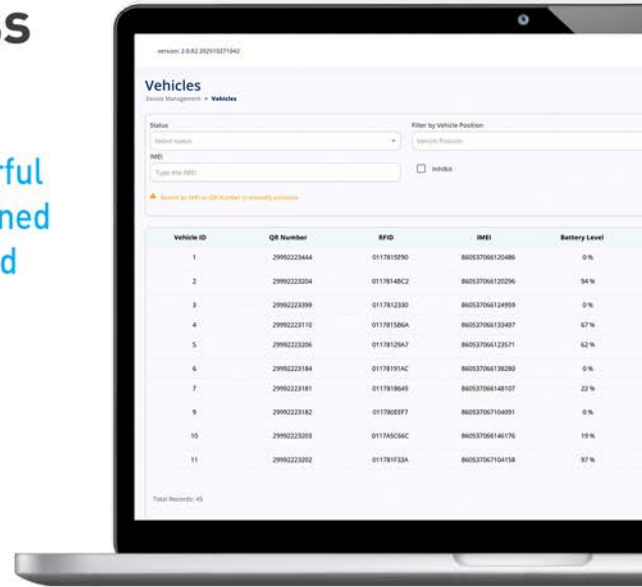
amco

Inspired
Technologies

Smart-Bike Backend

The Control Center for Seamless Bike-Sharing Operations

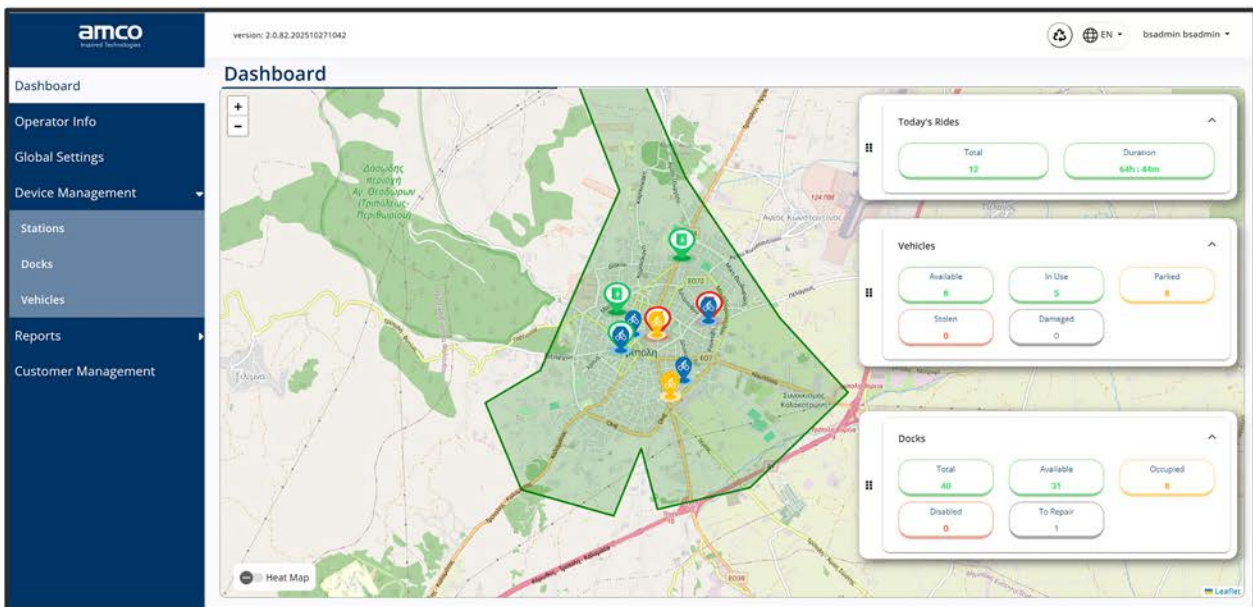
Behind every successful bike-sharing service is a powerful management system. The Smart-Bike Backend is designed for operators and municipalities to monitor, manage, and optimize their fleets and infrastructure with ease.



Key Capabilities

Real-Time Dashboard

- **Monitor everything on an interactive map:**
 - ✓ Live bike positions and current status (available, in use, parked, stolen, faulty).
 - ✓ Station status (working, closed, with available bikes, or without available bikes).
 - ✓ Today's rides and total ride duration at a glance.
 - ✓ Heat map visualization to identify usage patterns and optimize resource distribution.



Device Management

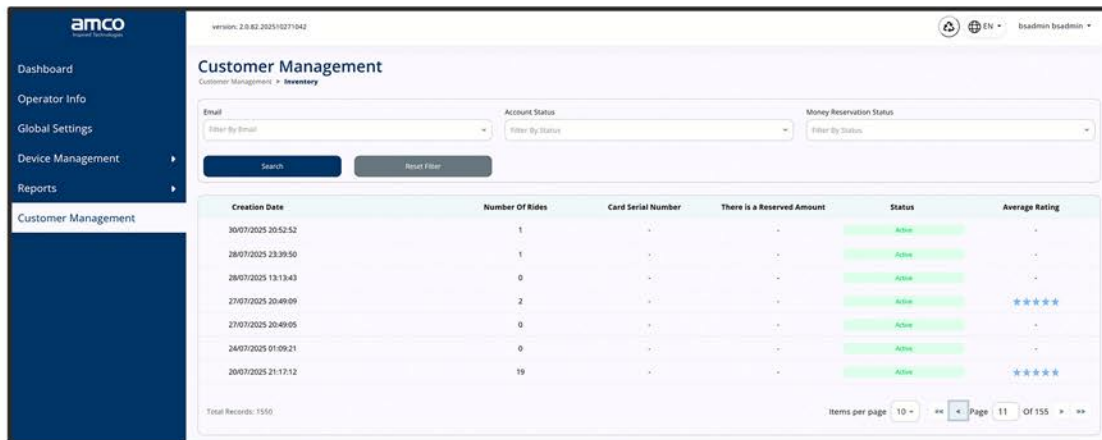
- **Station & Dock Management**

Monitor and configure every station and dock: availability, operational status, synchronization, and maintenance settings. Set rules for the minimum number of available docks per station before an alarm is triggered for the admin.
- **Vehicle Tracking & Control**

Full visibility of each vehicle: battery levels, ride statistics, GPS position, usage history, position and condition (normal, stolen, damaged). Admins can also manage battery assist settings and define rules or actions for geofence violations.

Customer Management

Manage user accounts and view details such as ride history and payments in one central place. Admin is also able to take corrective actions for problems with the banking system, such as unreturned deposits.



Creation Date	Number Of Rides	Card Serial Number	There is a Reserved Amount	Status	Average Rating
30/07/2025 20:52:52	1	-	-	Active	-
28/07/2025 23:30:50	1	-	-	Active	-
28/07/2025 13:13:43	0	-	-	Active	-
27/07/2025 20:49:09	2	-	-	Active	★★★★★
27/07/2025 20:49:05	0	-	-	Active	-
24/07/2025 01:09:21	0	-	-	Active	-
20/07/2025 21:17:12	19	-	-	Active	★★★★★

Global Settings & Customization



Work Hours

Set work hours. Calendar appears on every app interconnected to the system, while stations reflect this info too.



Fault Types

Admin sets custom fault types per mobile application, bikes, docks and kiosks. End-users can select from pre-configured fault types or choose 'other', with the option to enter free text and upload relevant photos.



Vehicles

Admin sets the minimum battery level below which a vehicle is marked as unavailable.



Operation

Admin configures desired settings for:

- Maximum ride duration.
- Ability for users to park near a station, with a configurable maximum distance. (Park Near capability also requires that the station does not currently have available docks).
- Notification when the number of available bikes at a station falls below a set threshold.



Bank

Configuration for deposit handling or charging rules (e.g., a fixed amount charged every set time period).



Alarm Notifications

This configuration allows admins to select which users shall get notified for different problem categories.



Geofence

Admin defines the geographical area over which users are permitted to ride.



User Prompt for App Rating

Configure rules to determine when users are prompted to rate the mobile application.

Reports & Analytics

See all info of interest and export reports for:

- **Rides**
 - Track every ride in detail: start and end times, duration, distance, and battery consumption.
 - Easy detection of rides that exceed the maximum allowed duration.
 - Customer-linked data for transparency and accountability.
 - GPS-based ride paths for accurate route visualization.
 - Includes user comments and ride ratings for additional feedback.
- **Faults**
 - Centralized overview of all issues reported by users.
 - Categorization by type (vehicle, dock, kiosk, app) with status tracking (open/closed).
 - View photos uploaded by users for clearer diagnostics and faster resolution.
 - Full history of reported and resolved faults to ensure quality control.
- **Alerts & Notifications**

Get insights on critical events, such as "Exceeded ride duration", "Stations without enough docks", "Bike is not charging", "Geofence Violation", to ensure smooth operations.
- **Statistics**

Admin configures desired settings to:

 - Visualize system performance with interactive graphs.
 - Monitor average number of vehicles and docks available per hour to identify usage trends.
 - Compare supply vs. demand across different times of day.
 - Support data-driven decisions for fleet balancing and station planning.

Why Smart-Bike?

Your City, Your Ride, Your Freedom

- Flexible, user-focused design.
- Reliable real-time information.
- Seamless integration with operator branding.
- Eco-friendly, affordable, and stress-free mobility.

