



Smart E- Scooter Parking & Charging

Bikeep OÜ

Peterburi tee 49, 11415 Tallinn, Estonia
(+372) 566 79 992

Bikeep Inc

447 Sutter St Ste 405, San Francisco, CA 94108, USA
+1 (415) 625 3053

CALL FOR SUBMISSIONS

By Bikeep - Global Leader in Smart Micromobility Infrastructure

Bikeep offers a flexible, secure solution for Wiener Linien's e-scooter storage and charging needs through our Smart Parking Station system. Our solution specifically addresses the unique challenges faced by transport service employees with different start and end points.

https://drive.google.com/file/d/1vPMJM_6rHBMKOgP-nPV6a-Ea3ShPeOLG/view?usp=sharing

Variant form <https://drive.google.com/file/d/1oRIOWcXLpcDQZKlel8-rNS7iKeo5SfXW/view?usp=sharing>



KEY SOLUTION FEATURES

1. Flexible Installation Options

- Indoor deployment within depots and garages
- Outdoor installation with optional protective housing
- Secure room integration for space-efficient storage
- Modular design (add by 5 dock configurations)

2. Innovative Dock Design

- Purpose-built for folded e-scooters
- **Integrated charging compartment with standard power outlet**
- Secure locking mechanism that simultaneously secures:
 - The e-scooter
 - End-User's personal charger
- Compatible with 95% e-scooter models, without needing to add any attachments to the existing scooter.
- 99% compatible with the chargers, as users can securely add their own charger or keep the charger inside the dock.



Smart Access Control

- Employee ID card integration
- Bikeeep mobile app for access and for real-time availability
- Allowlisting for access management (only for allowlisted users)
- Remote management system for monitoring and support. <https://bikeeep.com/console-dashboard/>
- Usage analytics and reporting

Safety & Security

- Fire-resistant metal construction
- Individual charging compartments
- Secured personal charger storage

DEPLOYMENT FLEXIBILITY

The system can be deployed in three configurations:

1. Individual outdoor docks
2. Protected indoor installation
3. Secure bike house solution with additional weather protection



Illustrative picture with **e-bike** charging option.

As same dock design can be used for Scooter charging and E-bike charging.



TECHNICAL SPECIFICATIONS

- Modular systems by adding units of 5 as needed.
- Standard power supply requirements
- Ground plate mounting options
- Network connectivity for smart features





USAGE OPTIONS

Our system offers multiple convenient access methods for both individual docks and secure bike houses/rooms, all using the same unified access system.

Bikekeep Mobile App

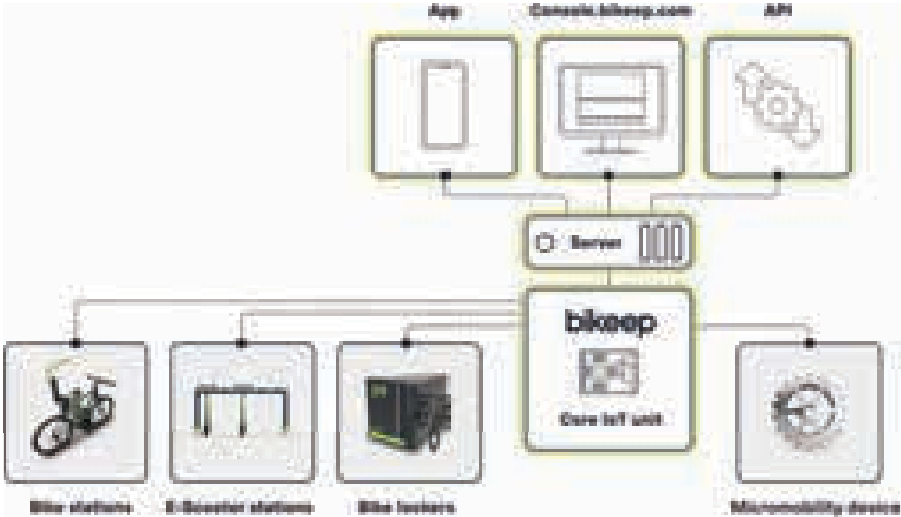
- Real-time dock and bike house availability
- One-tap access to both secure rooms and individual docks
- **Single app manages all access points**
- Advance reservations for both storage spaces and docks
- Complete facility mapping
- Personal usage history
- Push notifications and alerts

Bikekeep Card

- Simple tap-to-access for all secure points
- Works for both bike house entrance and individual docks
- Can work in parallel with App
- Quick access for time-sensitive staff
- Backup access method

Integrated City Card/Employee ID

- 13.56Mhz cards supported
- Seamless access to all storage solutions
- Works uniformly across bike houses and individual docks
- Simplified user management
- Single credential solution





VALUE ADDED

For Employees

- Use personal charging equipment safely and **lock the scooter and charger securely.**
- Secure storage at any facility
- Real-time availability checking
- Convenient access with app or card
- Weather-protected storage

For Wiener Linien

- Internet connected - easy maintenance and monitoring
- Remote control and operational management via Remote Control. <https://bikeep.com/console-dashboard/>
- Same dock based solution can be used with E-scooter or e-bikes - easily scalable network.
- Comprehensive monitoring, alarm forwarding (e.g. "Door left open for more than 5 min", "Alarm in dock 4")
- Future-proof expandability with Bikeep IoT Core platform. <https://bikeep.com/smart-iot-platform>
- Theft protection
- Access control
- Usage monitoring

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