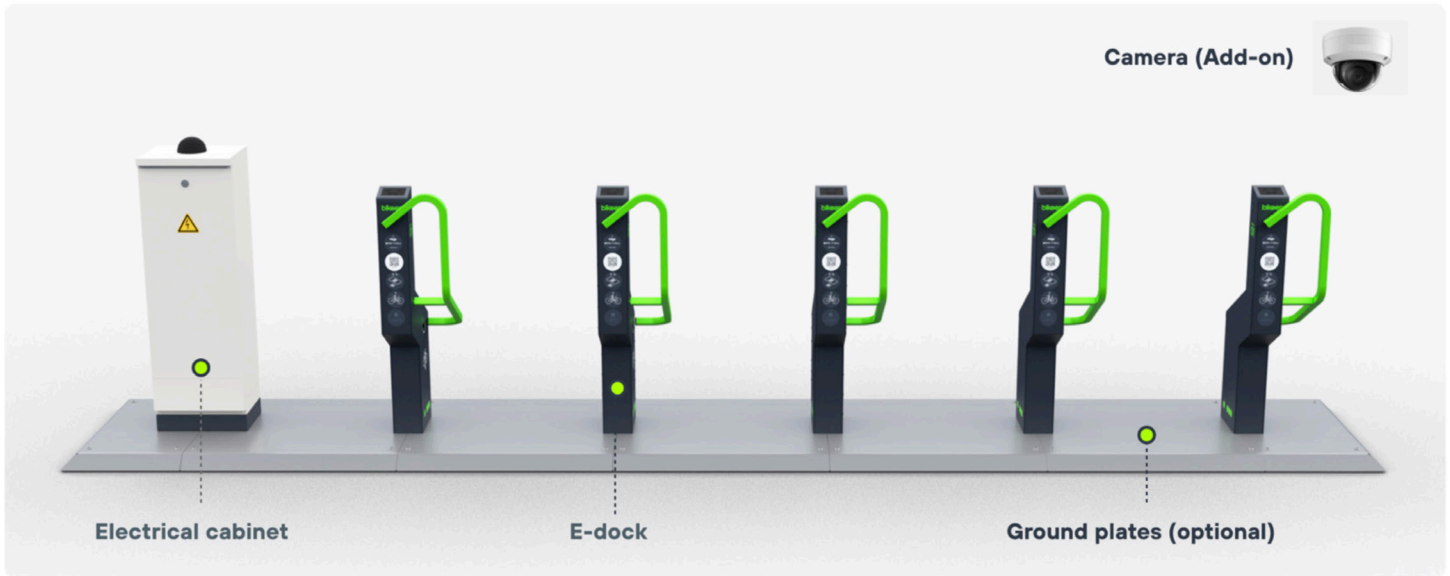


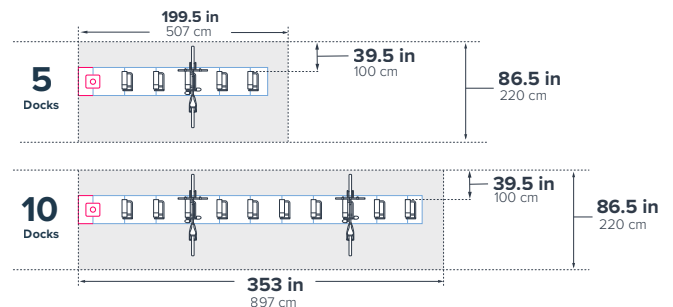
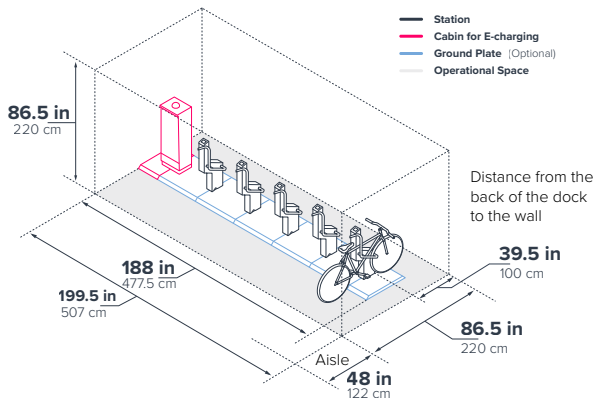
Site Requirements and Installation Overview :: Charging



SITE SELECTION AND VALIDATION

When choosing a location for bike parking Stations, consider the following:

- **Visibility:** Place Bikeep Stations in highly visible locations, such as next to main entrances, to attract attention.
- **Weather protection:** Cyclists' prefer their bicycles not to be exposed to extreme weather conditions.
- **Accessibility:** Ensure easy access to the electrical supply and stay within 165 feet of key destinations.
- **Convenience:** Do not obstruct pedestrian paths and avoid stairwells for cyclists.
- **Strategy:** If a building has two or more main entrances on opposite sides, provide a Station at each doorway.
- **Connectivity:** A 4G mobile internet connection must be available at the Station site to provide real-time data on locations, parking usage, and cyclists.
- **Electricity:** 110VAC power to the location should be handled by a qualified electrician in accordance with local standards and regulations.



The need for Operational Space is not affected by whether the installation will be with or without Bikeep Ground Plates.

GROUND REQUIREMENTS

Bikeep Stations have been designed to be installable both indoors and outdoors.

They can be installed on any hard surface by one of the three following options:

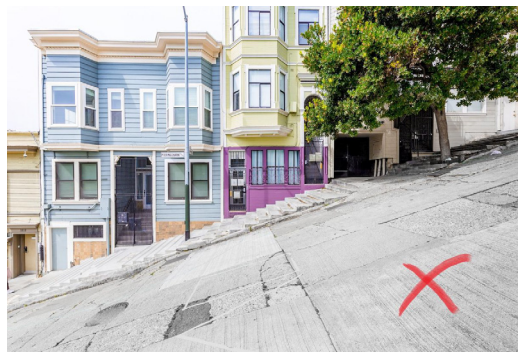
- **Type 1:** Using **Bikeep ground plates**
- **Type 2:** Making use of a **preexisting concrete** surface with a thickness of at least 4 inches
- **Type 3:** Pouring a **new concrete** surface

Stations cannot be installed on dirt, grass, sand, or similar surfaces. The ground must be solid, flat, and have an incline of no more than 2 degrees.

The installation process for a **5-Dock Station** typically takes **4-6 hours**, while a **10-Dock Station** requires approximately **6-8 hours**. However, if **concrete work** is necessary, the installation duration may extend to **2 days**, as the concrete needs time to harden.



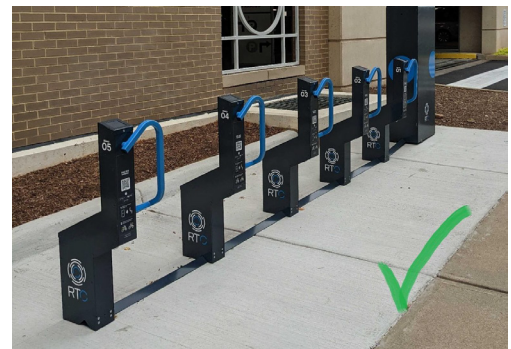
Do not install the docks on slopes where the incline exceeds 2 degrees



Docks bolted to an existing hard surface (Type 1)



Requirement: Concrete pavement thickness at least 4 inches and not cracked



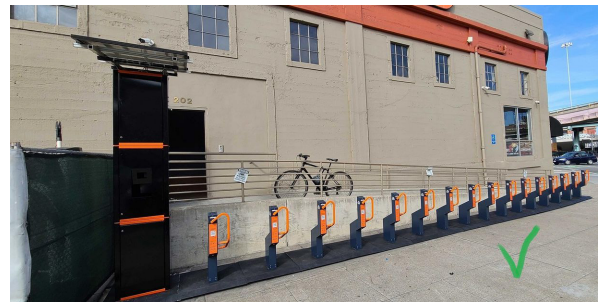
Docks bolted to the ground with a new concrete surface creation (Type 2)

 Requirement: Ground removable for concrete base creation (asphalt, cobblestone, dirt, etc)



Ground plates installation (Type 3)

 Requirement: Ground must be solid and flat. Cannot be installed on dirt, grass, sand, or similar surfaces.



SITE PREPARATION

Incoming line power location

- It is necessary to install the electrical cable at the location in such a way that it has at least a 40" spare, allowing for an electrical connection in the electrical cabinet.
- Bikeep provides all parts for Station assembly. Clients need only to supply electricity for the Station.
- The primary requirement is to deliver power to the electrical cabinet.
- The electrical cabinet is the sole component connected directly to the grid power, as it supplies power to the Bikeep Docks.



E-charging

Each e-dock has a socket outlet pre-assembled in the charging box. **Dock-to-dock** AC charging/power cables are connected in series. One circuit line is up to 5 docks.

Input voltage: **110VAC**

# of Bikeep Smart Docks	Power consumption	Power requirement for e-charging station
5-dock e-charging station	Peak: 2.2kW Typical: .75kW	20A @110VAC
10-dock e-charging station	Peak: 4.4kW Typical: 1.5kW	40A @110VAC (2 circuits, 20A each)

*Calculations are based on 4 amp chargers that are charging at full load.
The actual power consumption may differ.*

STATION ASSEMBLY

The recommended workforce for the installations is 2 people. Please note: The heaviest part of the station is the Smart Dock **main frame**, which weighs about 38 lbs. If the station comes with the ground plate, then the heaviest sub-assembly is the Ground Plate which weighs about 66 lbs.

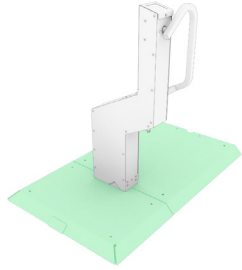

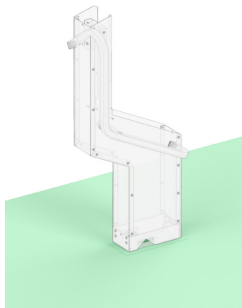
Overview of the installation process

The Bikeep station's installation process is simplified into 7 steps:

1. Prepare the ground fixers, electrical cabinet, and dock-to-dock cables.
2. Install ground fixers and electrical cabinet. Then run dock-to-dock cables and charging cables underneath the cable channels or inside ground plates.
3. Install a pre-assembled charging box for the ground fixers.
4. Connect power cables to the e-dock socket box.
5. Place the dock body over the charging box and mount it with the bolts included.
6. Tighten all the bolts and connect the dock to the dock cables.
7. Connect all the cables and fix the dock cover to the dock.

Installation types + Standard installation times

Expected installation times calculated with 2 people on the site.

Installation type		Installation time for a 5- Dock Station	Installation time for a 10- Dock Station
<p>Type 1</p> <p>Bikeep Ground Plates</p> <p>Installation using Bikeep Ground Plates.</p>		4 hrs	6 hrs
<p>Type 2</p> <p>New concrete surface</p> <p>Every dock is independently bolted to the ground after new concrete has been poured and it has hardened.</p>		6 hrs + concrete hardening	8 hrs + concrete hardening
<p>Type 3</p> <p>Existing surface</p> <p>Every dock is independently bolted to the ground on an existing concrete surface.</p>		4 hrs	6 hrs
<p><i>The installation of Bikeep Stations only requires basic tools. No special or custom tools are needed. The tools needed are, for example, a cordless drill & drill bits, a hammer, a level, construction string, etc.</i></p>			

TESTING AND LAUNCH

The local installation team fills out the final checklist and ensures that the docks are installed correctly with no damage.

Bikeep checks that everything is working properly from the configuration side and validates that the station is ready for launching and bike parking.