Version: AD-JF-01 Date: 2024/12/3

AdvanSol

ACLOUD Smart Platform

System Setting Guide

Solution MRO

V2.5Control Solution (SolutionMRO) Installation and Inspection Process

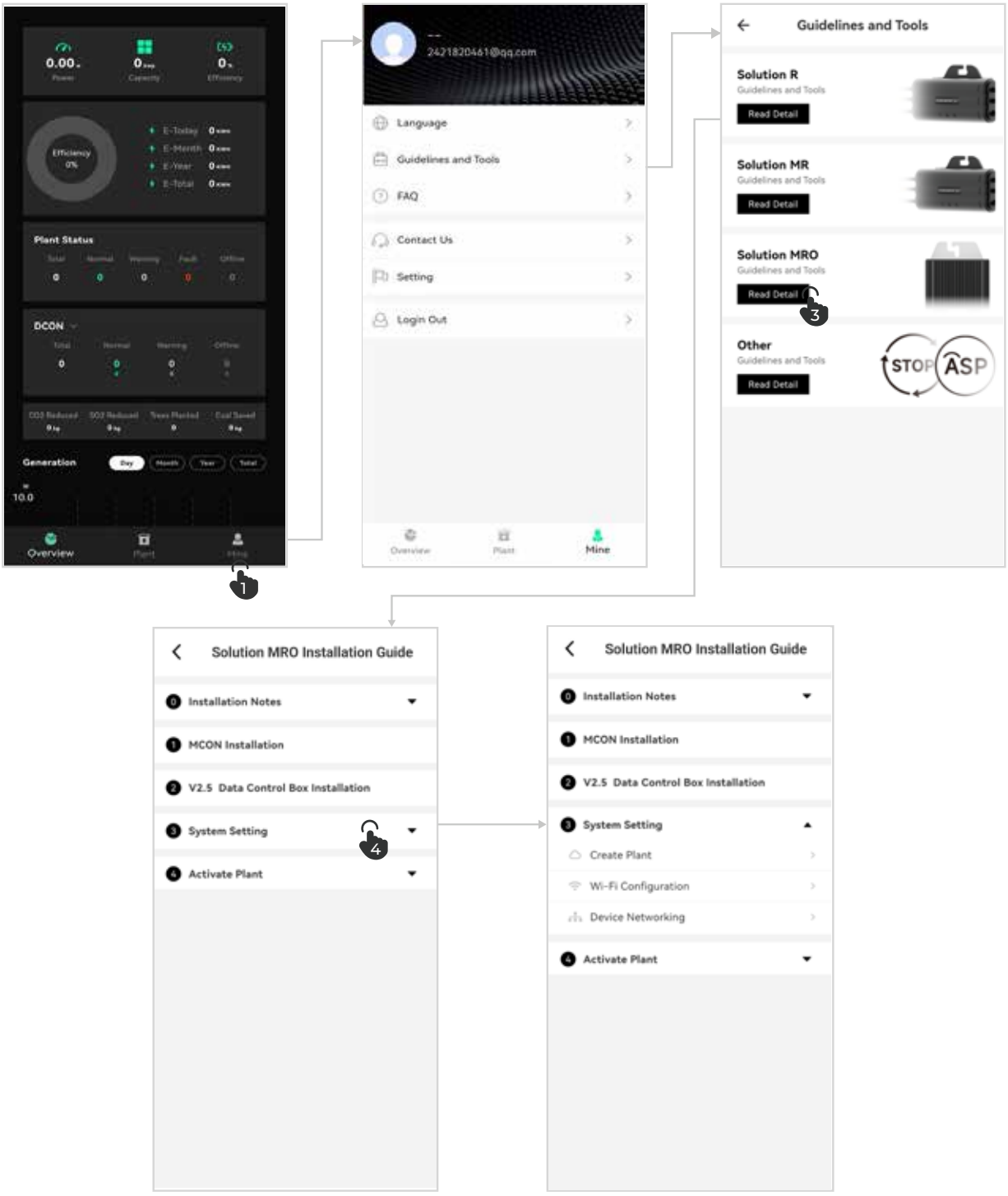
Installation and Verification of MRO Series Micro Controller > Installation and Verification of V2.5 Control Box DCON-WIFI > **Solution MRO System Setting**

Note: During all operations below,
high voltage risks exist at the DC terminal of the PV system when the V2.5 Control Box (Hereinafter referred to as the Control Box)is powered on.
Ensure proper safety precautions are taken.

1. System Setting Entry

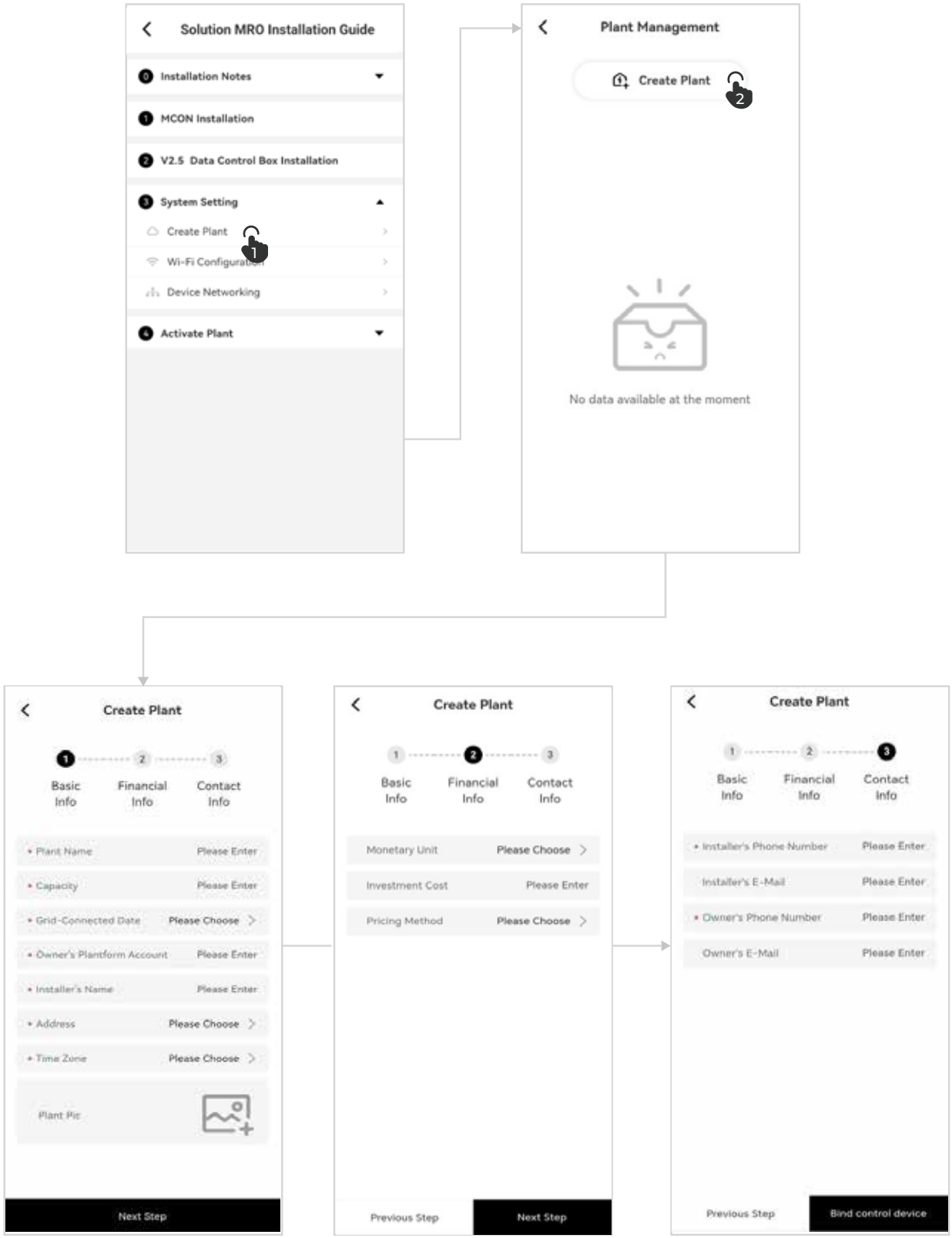
❶ Scan the QR code on the left to download and install the AdvanSol Acloud APP; and register as an Acloud user.

❷ After logging into the APP,navigate to: Mine-Guidelines and Tools-SolutionMRO-System Setting- to perform Acloud Station Setup and WiFi Connectivity operations (follow the sequence).



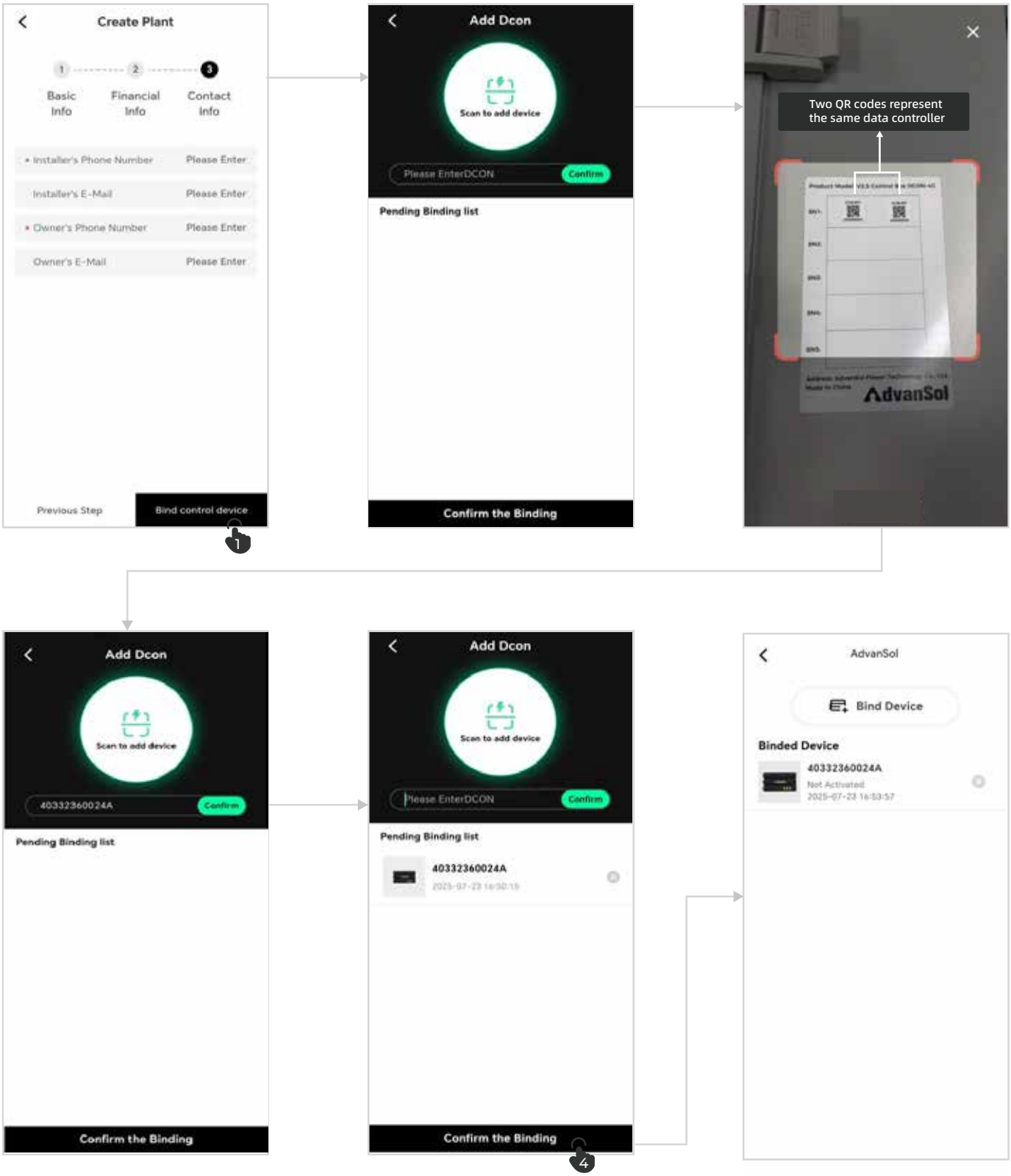
2. Acloud Station Setup

❶ Click *Create Plant* to begin the setup process. And fill in the station's basic informationfinancial details,and contact information as prompted.;



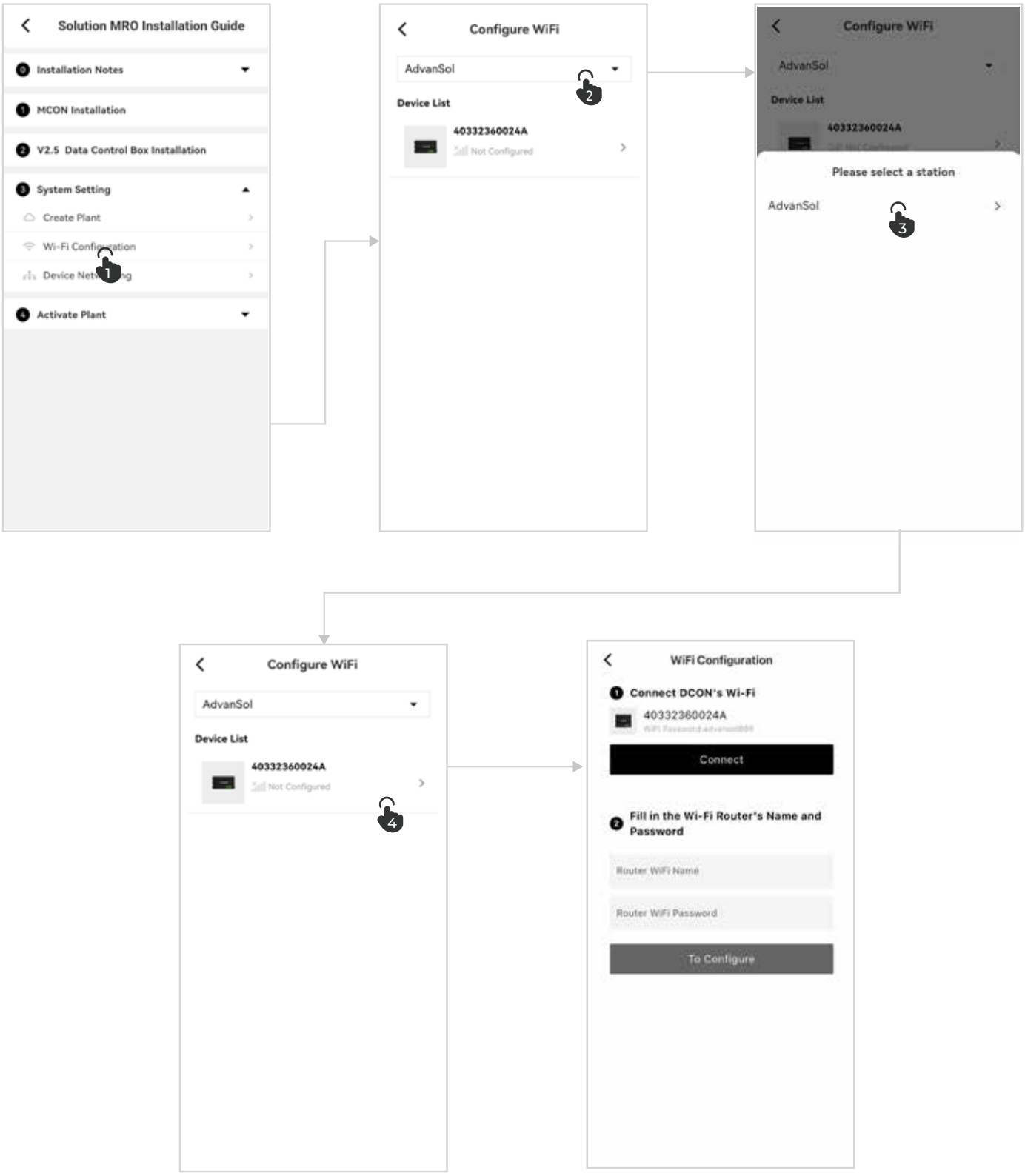
Click *Confirm the Binding* to enter the Data Controller binding page.
Select *Scan to Add Device* and scan the SN OR code on the side of the Control Box.
Verify the SN number matches the actual device, then click *Confirm* to add it to the device list.
Repeat steps to add all Data Controllers in the station.

Click *Confirm Binding* to finalize.

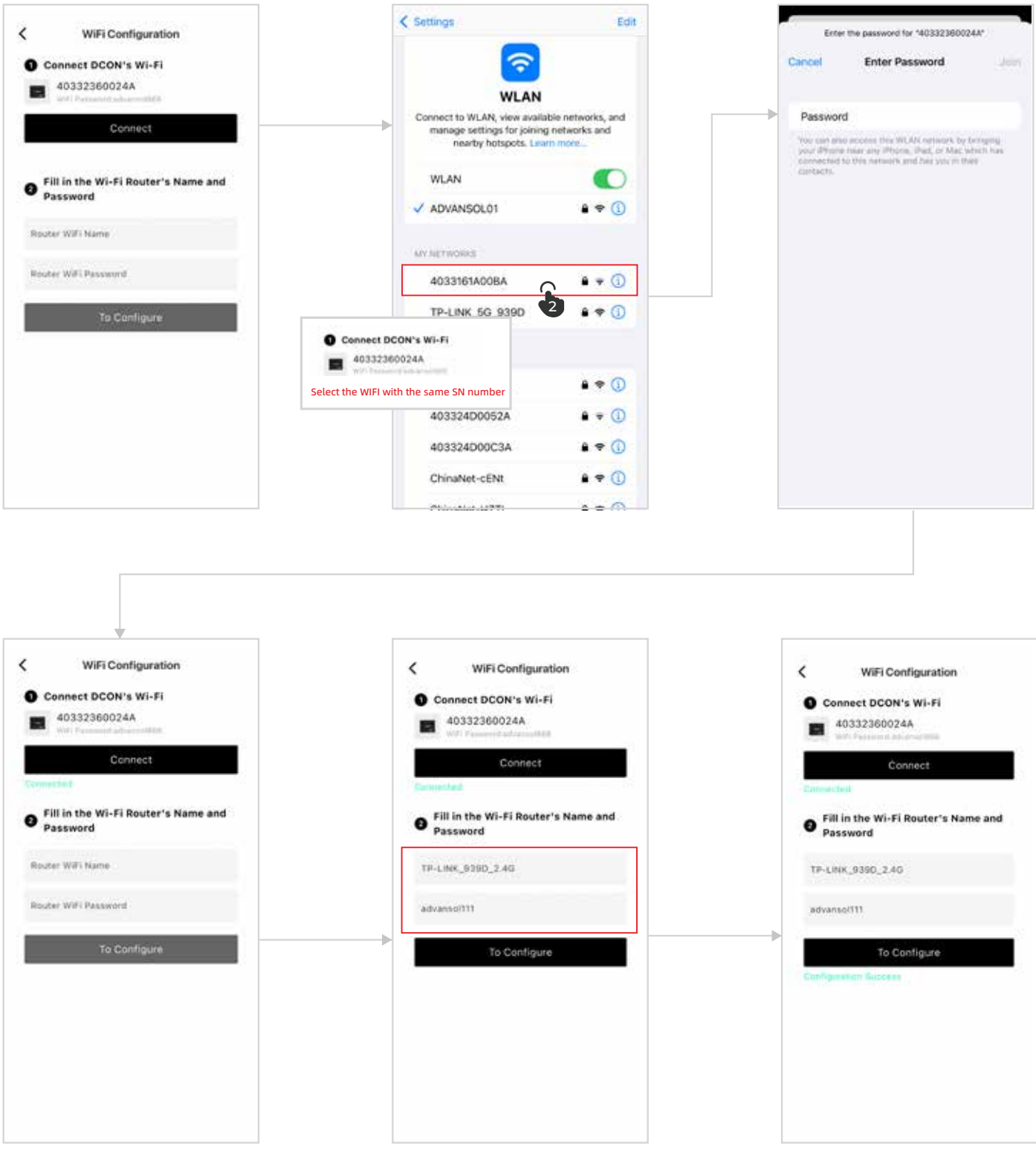


3. WIFI Connectivity(IOS System)

1. Click *Wi-Fi Configuration* and select the target station from the dropdown.
2. Choose the Data Controller to configure from the device list.



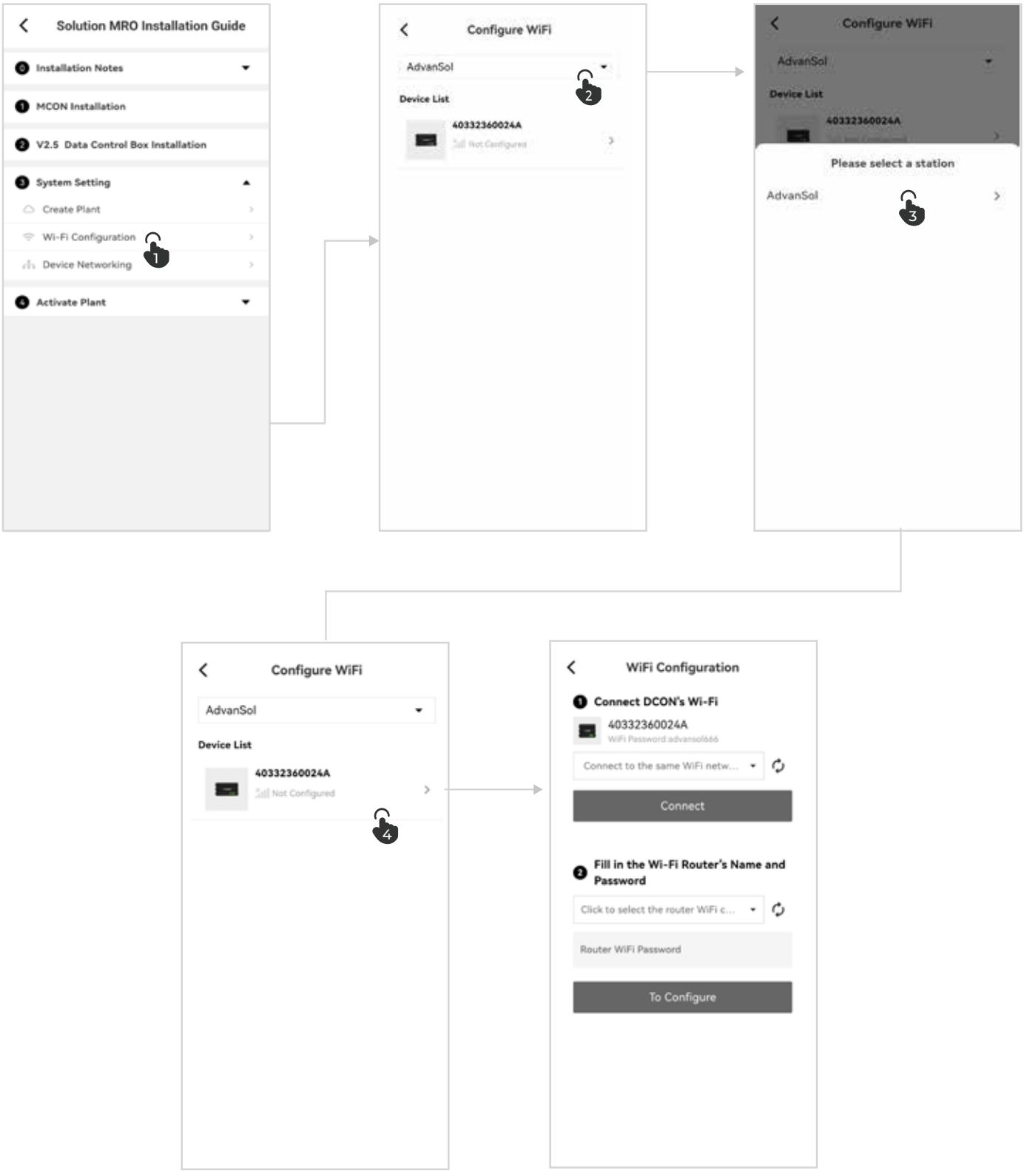
3. Connect to the Data Controller's WiFi (name matches SN) using password: advansol666.
4. Enter the router's WiFi name and password.
5. Click *To Configure* and wait up to 45 seconds for confirmation.
6. Repeat for all Data Controllers in the station.



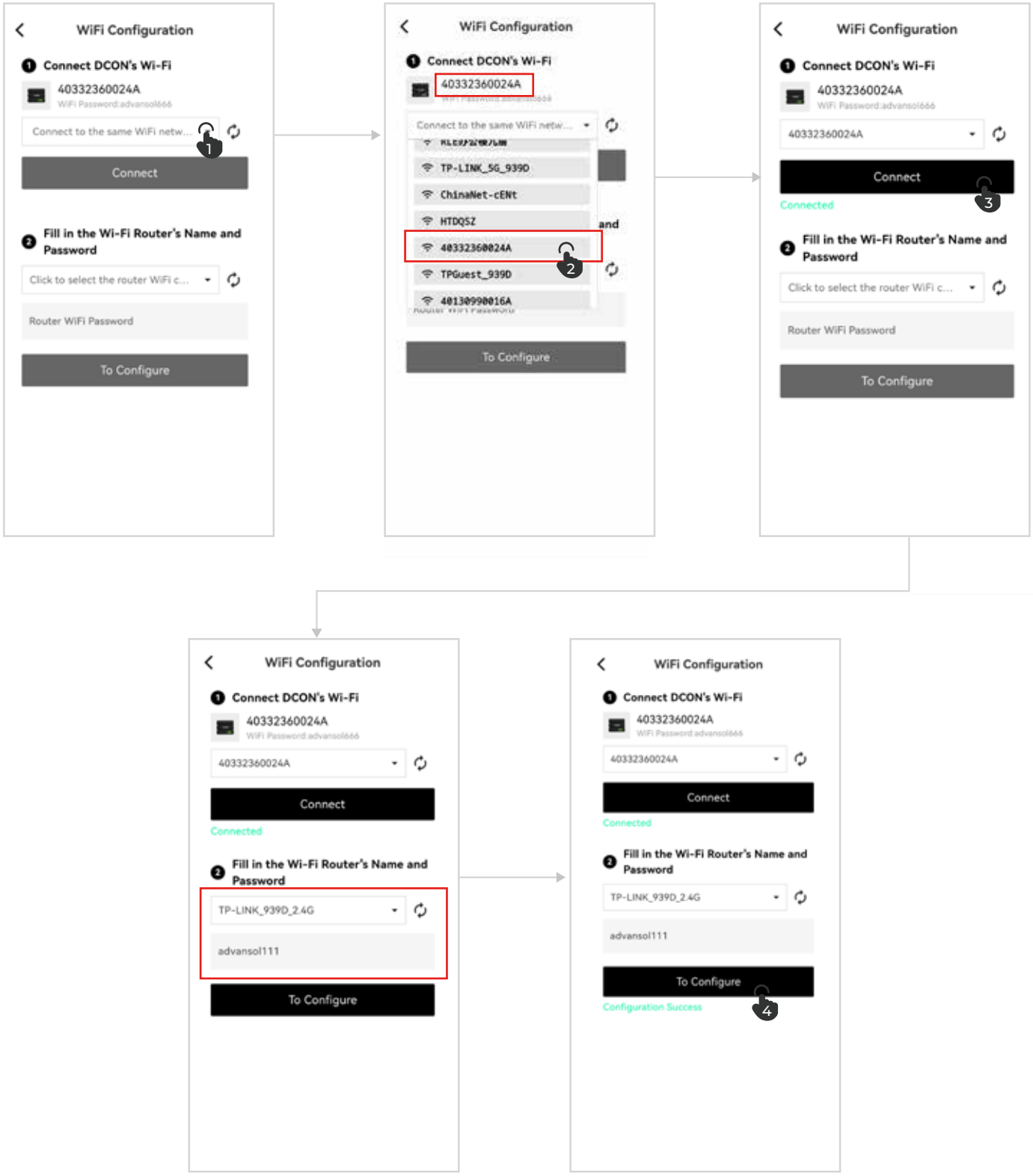
4. WIFI Connectivity(Android system)

❶ Click *Wi-Fi Configuration* and select the target station from the dropdown.

❷ Choose the Data Controller to configure from the device list.



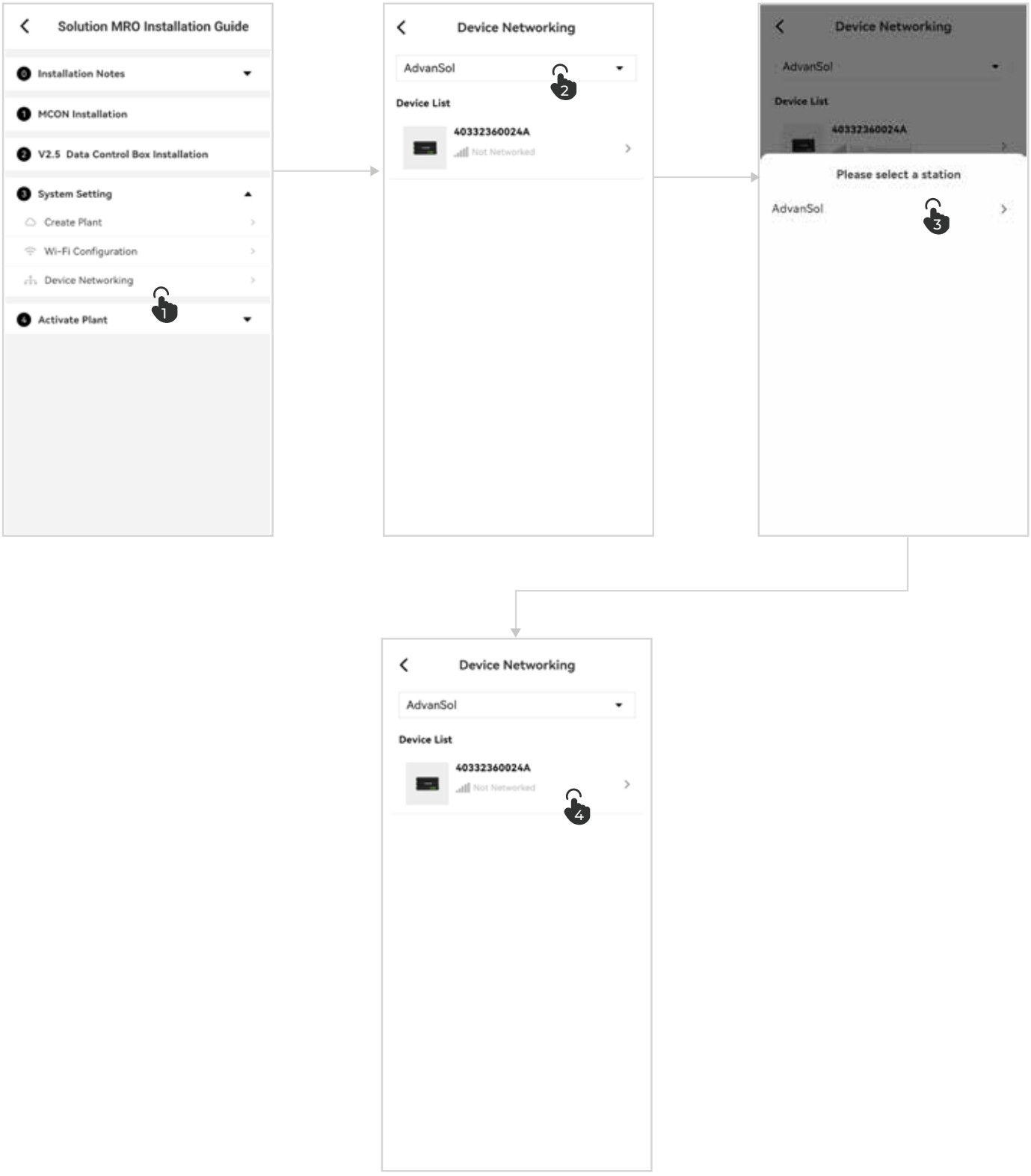
3. Connect to the Data Controller's WiFi (name matches SN) using password: advansol666.
4. Enter the router's WiFi name and password.
5. Click *To Configure* and wait up to 45 seconds for confirmation.
6. Repeat for all Data Controllers in the station.



5、Device Networking

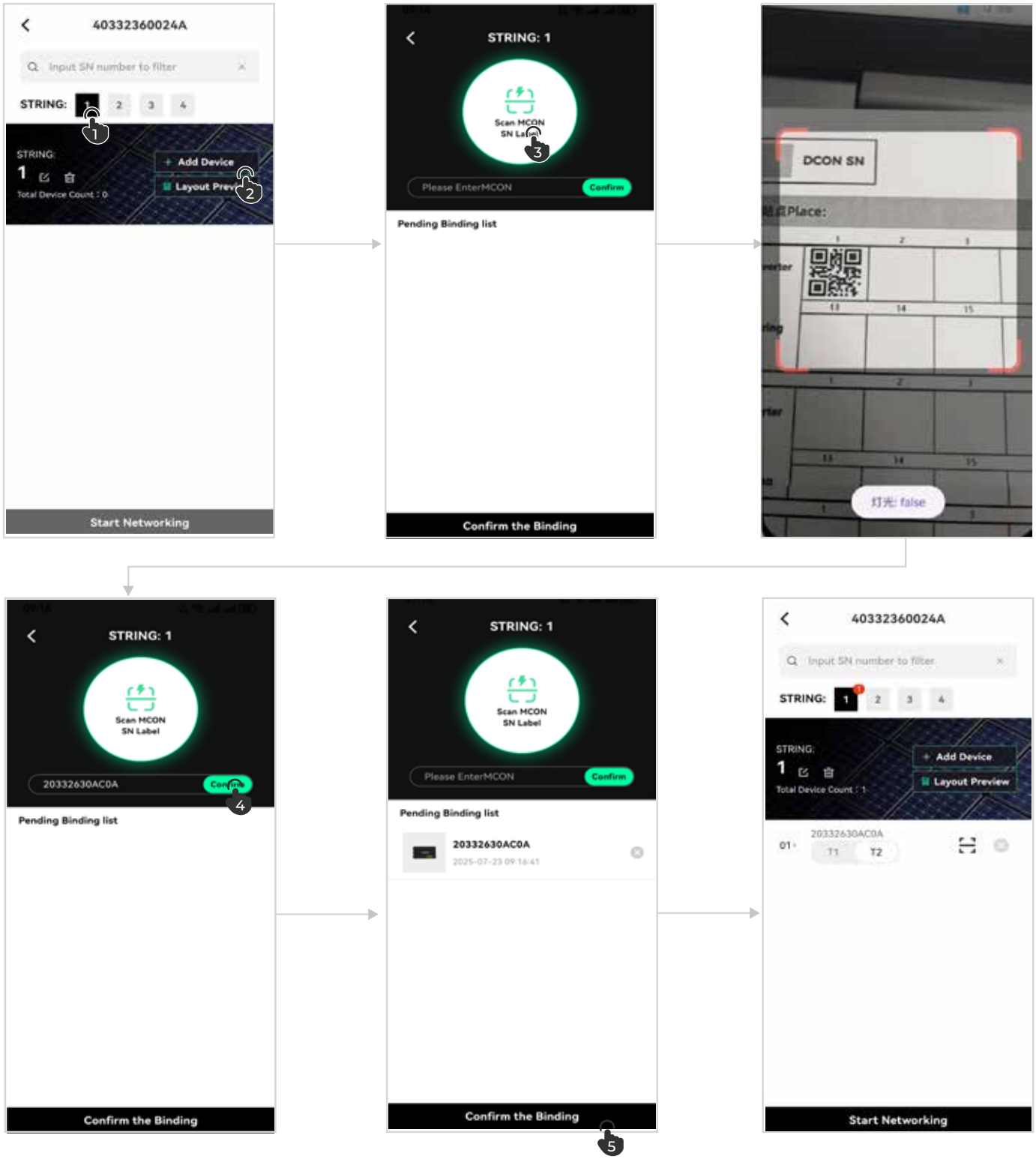
❶ Click on "Device Networking" to enter the networking page. Please scroll down to select the power station that needs to be networked.

❷ Then, select and click on the data controller to be networked from the device list.

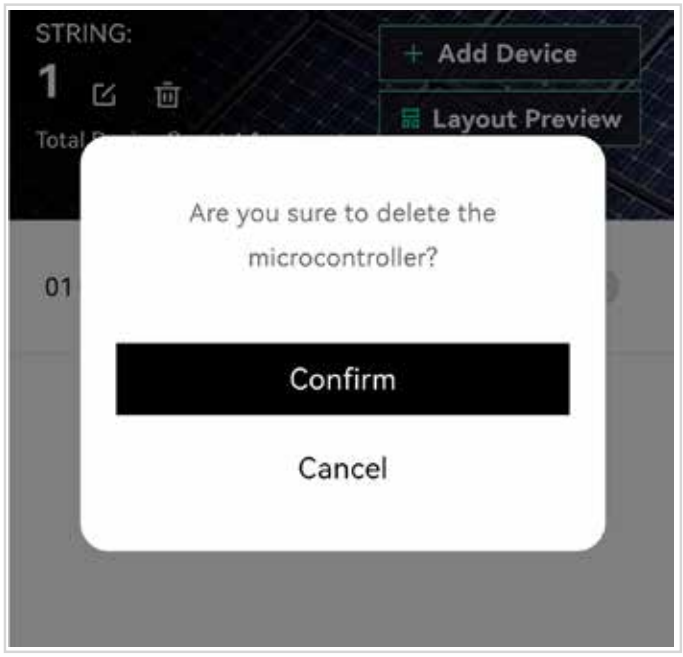


❸ Please select the string and click "Add Device" to enter the microcontroller binding page. Click "Scan" to add a microcontroller. Scan the SN QR code of the microcontroller, and the SN number will automatically fill in the input box below. After verifying that the SN number is correct, click "Confirm." The device will be added to the "Pending Binding List"
Please scan and add all microcontrollers within this string to the pending binding list. Once complete, click "Confirm the Binding" Follow these steps to bind all microcontrollers under each string managed by this data controller.(Tip: Do not scan the same microcontroller SN QR code more than once.)
Click the "Rename" button to rename the string; click the "Delete" button to remove the selected string.

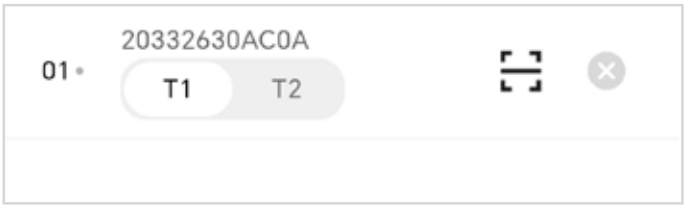
Note: Each data controller can manage up to 4 or 6 PV strings. Click the string number to operate each string individually. Set up according to the actual installation layout on site.



1. Click the "Scan" button to replace a single microcontroller.
2. Click the "Delete" button to delete a single microcontroller.



3. The microcontroller is a dual-output type (default T2). If a microcontroller is connected to only one PV module, please change it to T1.



4. Click "Layout Preview" to confirm whether the number of devices and SNs in the string match the physical layout diagram of the microcontrollers.

❹ Please click the "Start Networking" button.

Note: Ensure that all microcontrollers under this data controller have been bound before starting the networking process, or it may cause device damage.

❺ Please wait patiently for the networking to complete. If the project has multiple data controllers, click "Configure Other Controllers."

Note: The networking process takes about 10 minutes. During this time, you may continue to set up other data controllers following the steps above. The process will not be interrupted by the terminal.

❻ After initiating networking for all data controllers under this power station, return to and refresh the device networking page. Wait patiently for a success message from the data controllers.

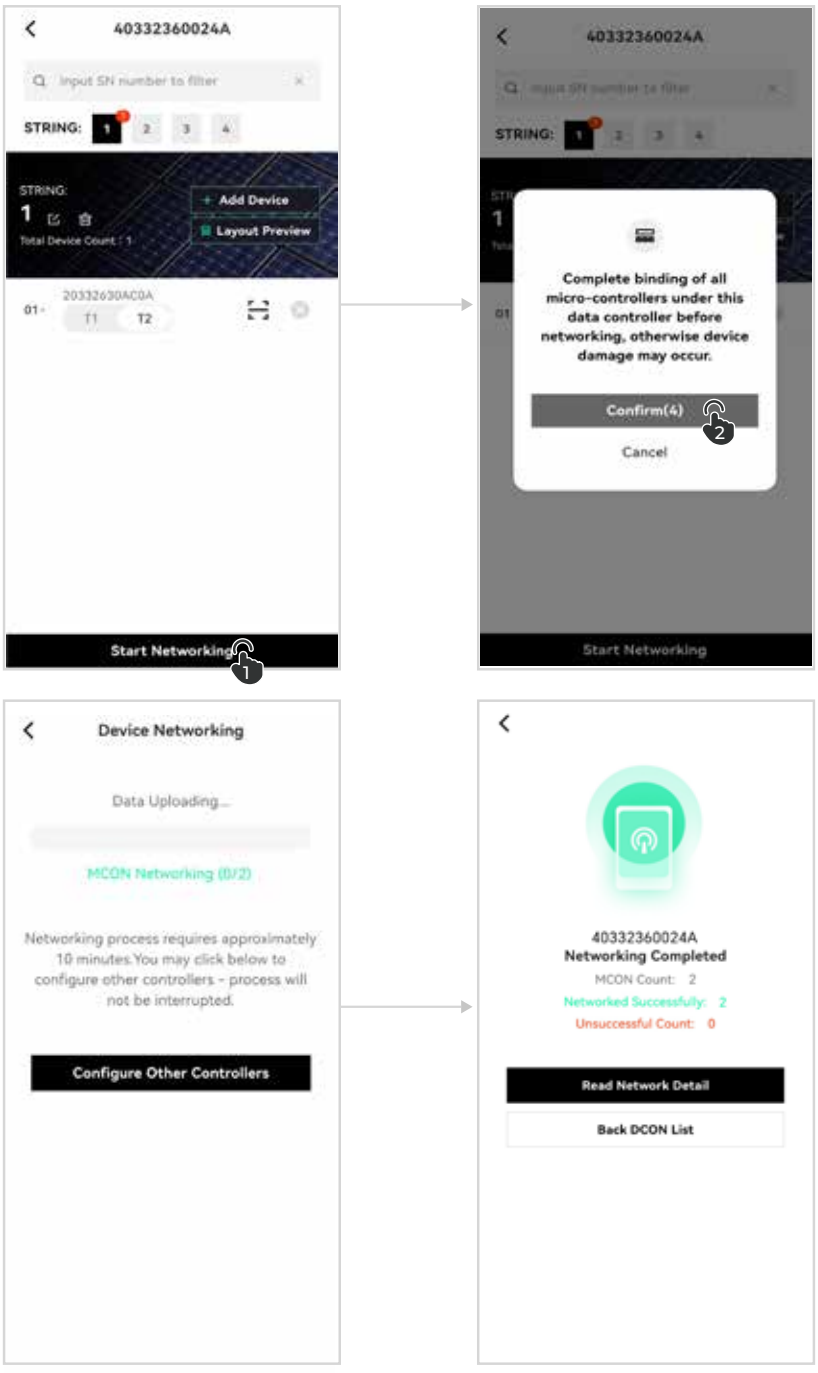
Offline: The data controller is not powered or has a network issue.

Not Networked: No microcontrollers were scanned or added; networking has not been initiated.

Networking: The networking process is still ongoing. Please wait.

Networking Failed: Click the data controller. Microcontrollers marked in red failed to connect. Check physical wiring and retry. If the issue persists, replace the microcontroller.

Networking Successful: All microcontrollers under this data controller have successfully completed networking.



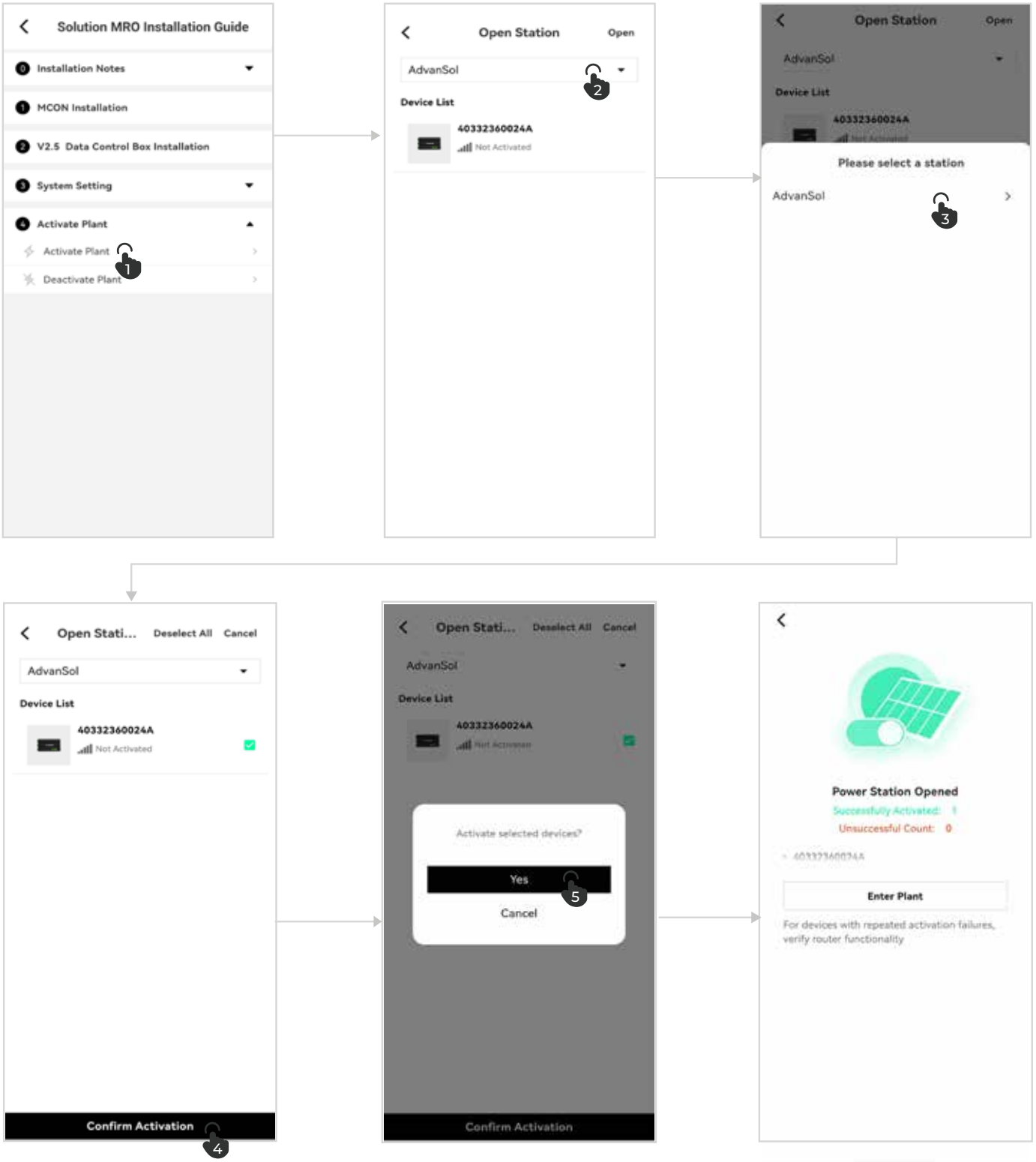
6、Activate Power Station

❶ In the MRO installation guide, click "Activate Power Station" from the dropdown menu to enter the activation page.

❷ Scroll down to select the power station you want to activate.

❸ Click the "Open" button, select the data controllers to be activated, and then click "Confirm Open"

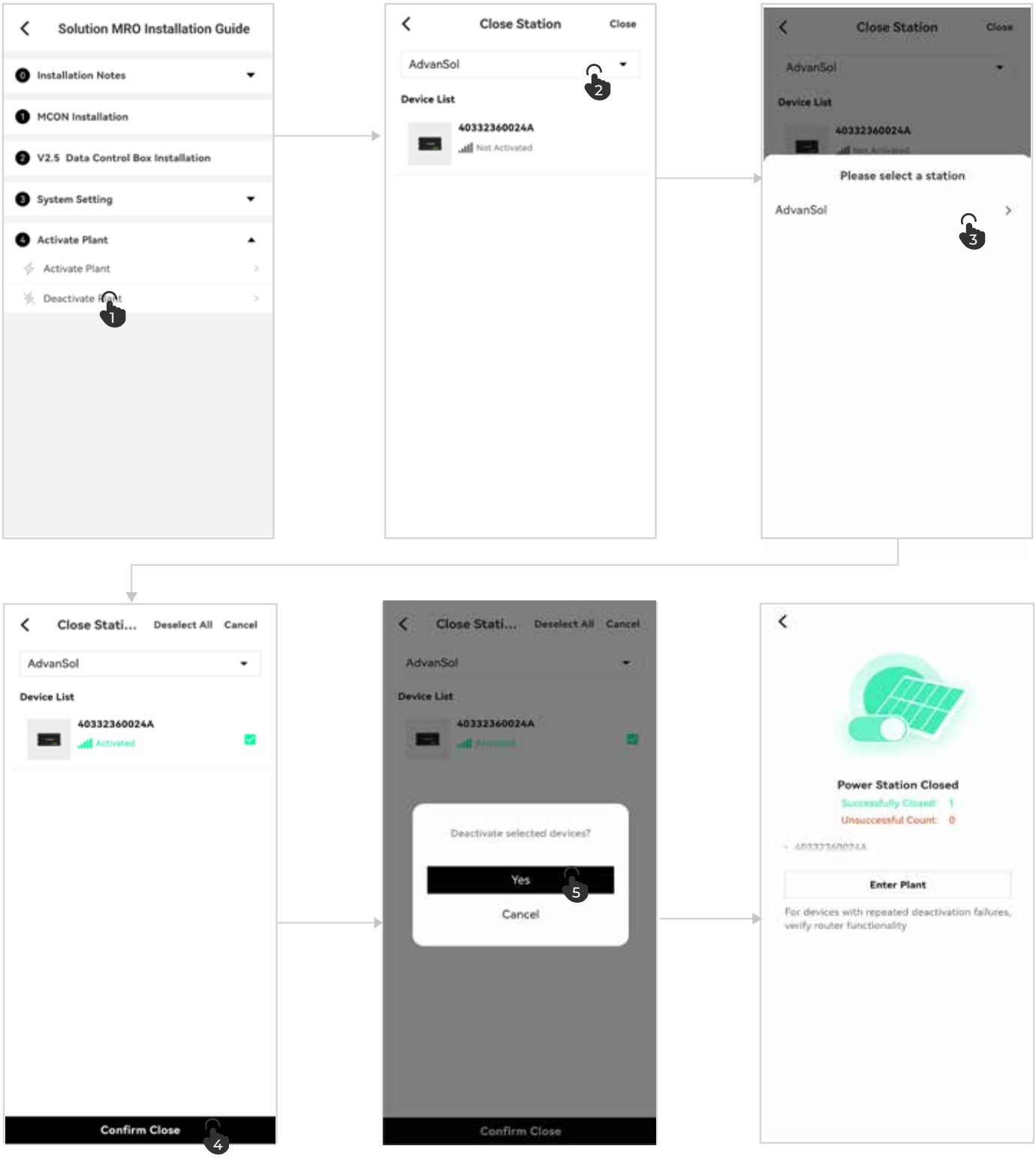
Note: If some data controllers fail to activate, click "Retry Failed Devices." If all data controllers under the power station are successfully activated, click "Enter Station" to view details.



7、Shut Down Power Station

1. In the MRO installation guide, click "Activate Plant", then select "Shut Down Power Station" from the dropdown menu to enter the shutdown page.
2. Scroll down to select the power station you want to shut down.
3. Click the "Close" button, select the data controllers to be shut down, and click "Confirm Close"

Note: Before shutting down the station, please make sure the DC side of the inverter is turned off. Otherwise, microcontroller malfunction may occur.
If some data controllers fail to shut down, click "Retry Failed Devices."
If all data controllers are successfully shut down, you can click "Enter Station" to view the details.



6. Contact us

If you have any technical questions on AdvanSol products,
or need other language files, please contact us for help.

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Friendly reminder: Please scan the QR code to access versions in other languages.