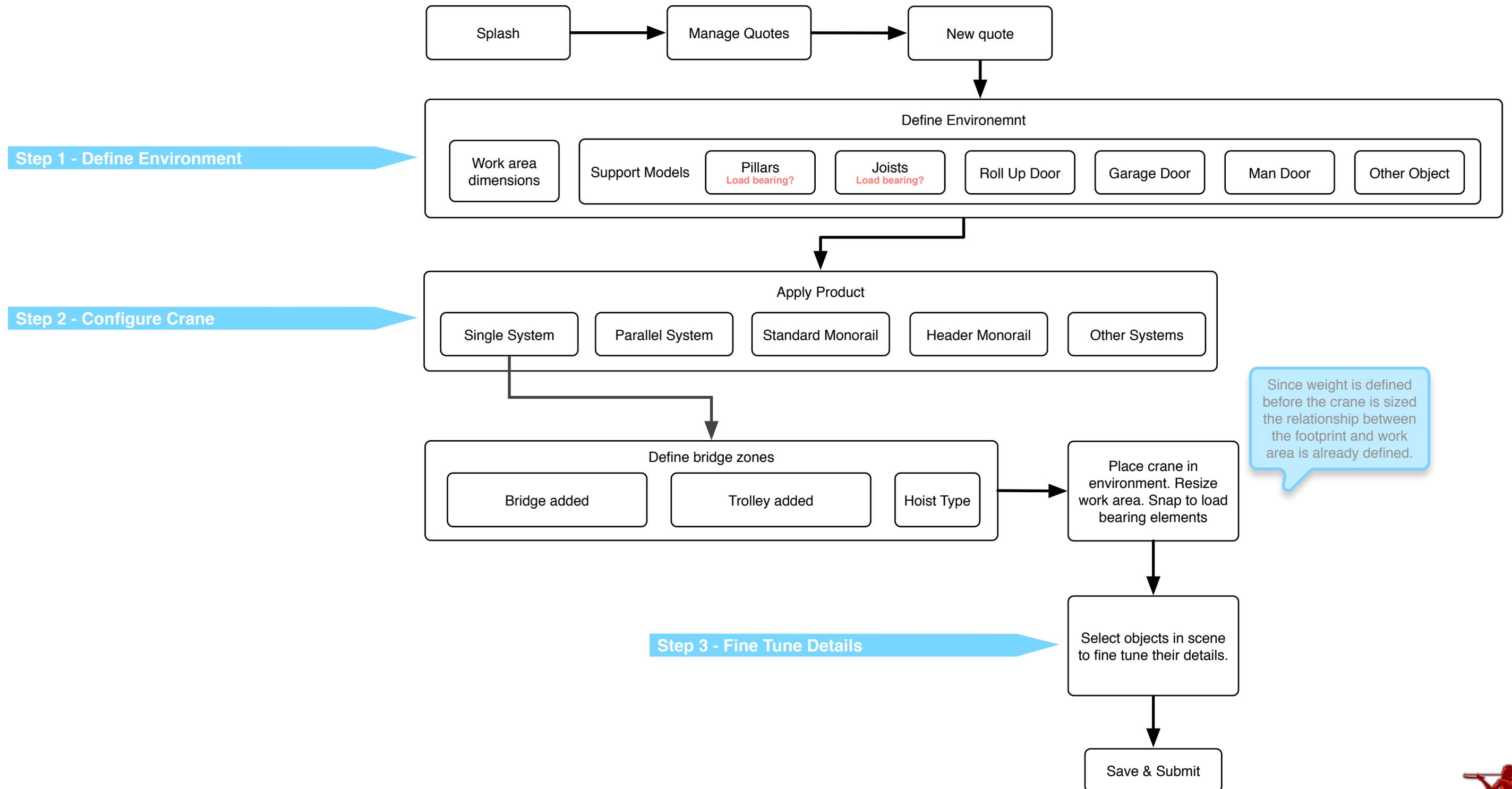


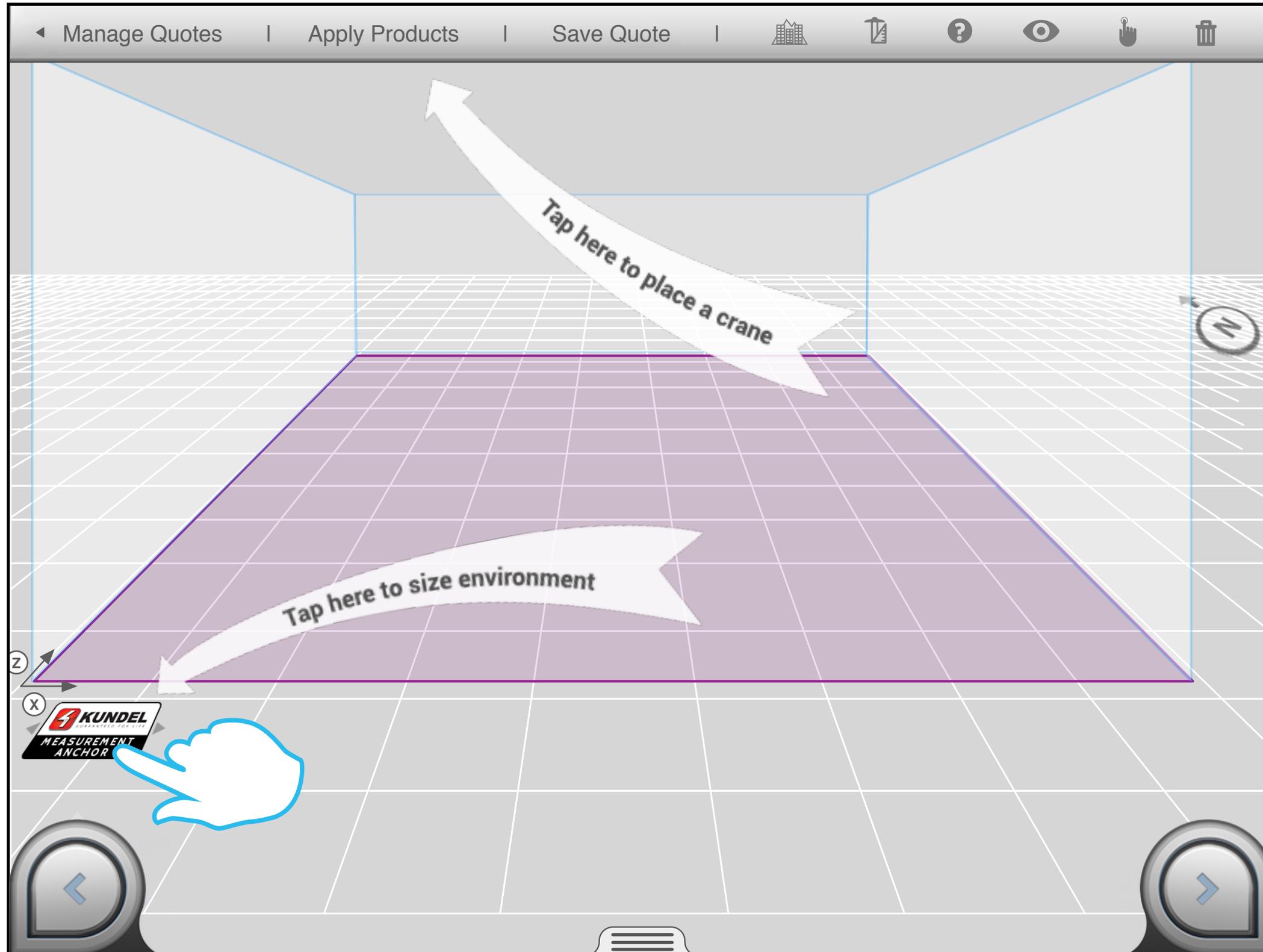
Kundel Cranes

SCOPE

FLOW :: WIREFRAMES



define workspace 1



define workspace 2

Manage Quotes | Apply Products | Save Quote

350' 205' 55'

Define work area

Length (Z) 350 ft Width (X) 205 ft Height 55 ft

KUNDEL MEASUREMENT ANCHOR



◀ Manage Quotes | Apply Products | Save Quote | [Icons: Building, Eraser, Question, Eye, Hand, Trash]

350'

205'

55'

Z

X

KUNDEL
MEASUREMENT ANCHOR

Define work area

Length (Z) 350 ft

Width (X) 205 ft

Height 55 ft



4 set north 2

Manage Quotes | Apply Products | Save Quote

Define North

60°

1

2

Reset Done

350' 205' 55'

KUNDEL MEASUREMENT ANCHOR

Define work area

Length (Z) 350 ft Width (X) 205 ft Height 55 ft



Manage Quotes | Apply Products | Save Quote | [Icons]

350'

205'

55'

KUNDEL MEASUREMENT ANCHOR

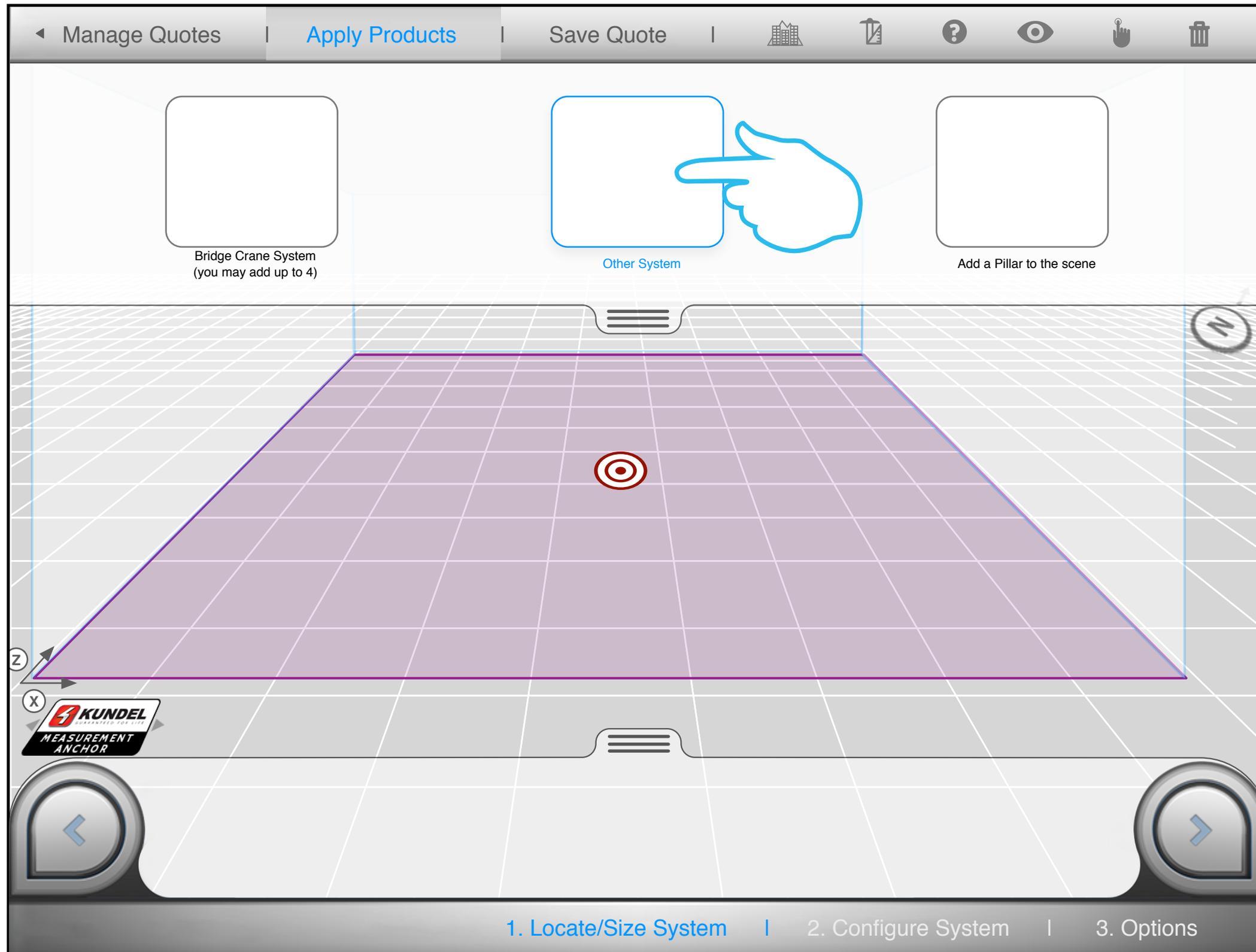
Define work area

Length (Z) 350 ft

Width (X) 205 ft

Height 55 ft





Manage Quotes | **Apply Products** | Save Quote | [Icons]

Other Systems

We have a number of Crane solutions available that aren't configurable in this app. Contact us to configure your custom crane solution. [Contact Us](#)

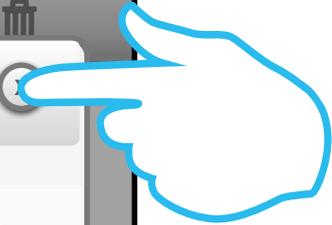
KTrak systems

- Standard Monorail
- Header Monorail
- Ceiling Hung
- Hybrid

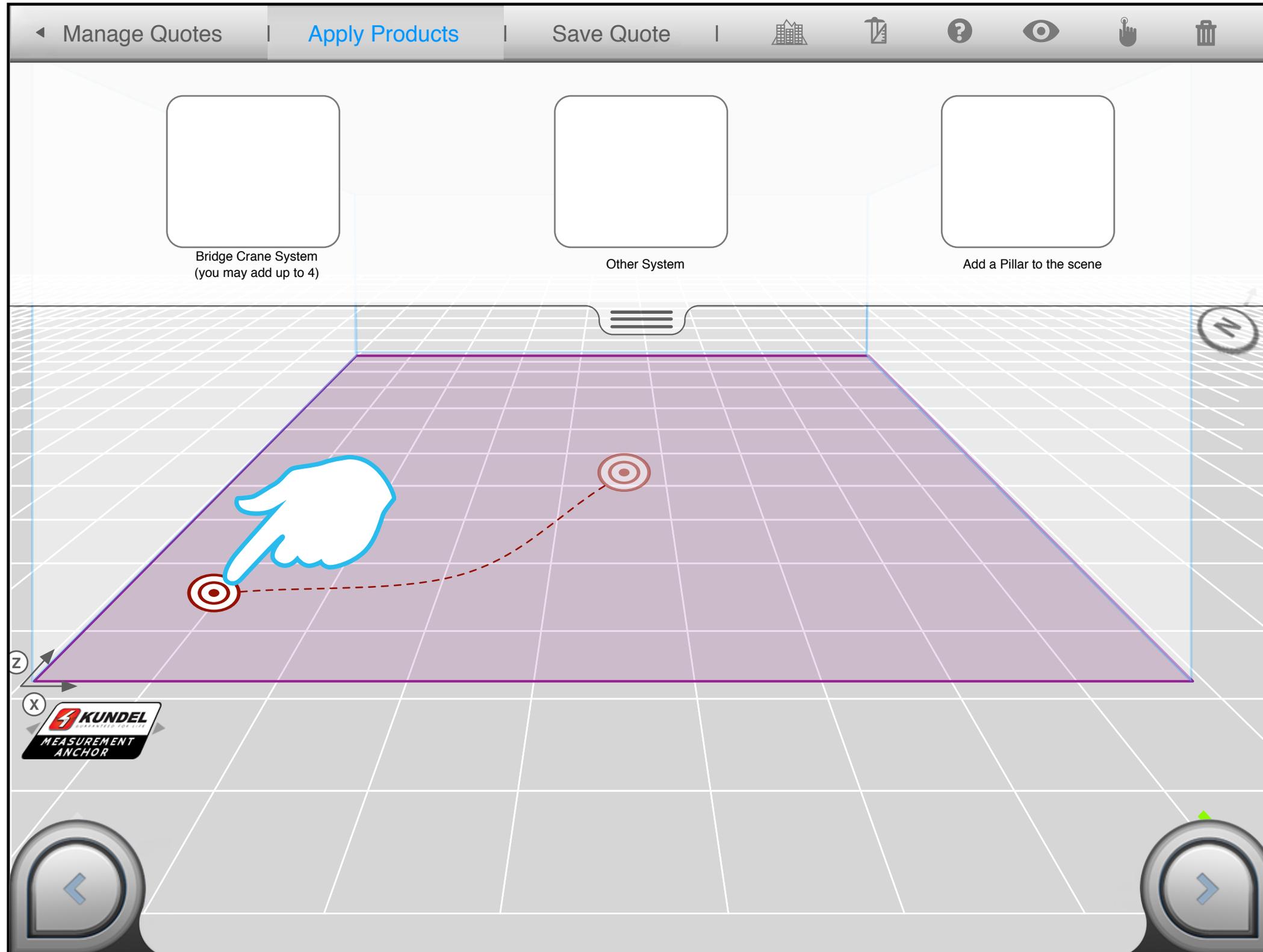
Other systems

- Snap Track (1/2 ton)
- TTrak (up to 10 ton)
- Jib Cranes & Balancers
- Modular (Istrut)

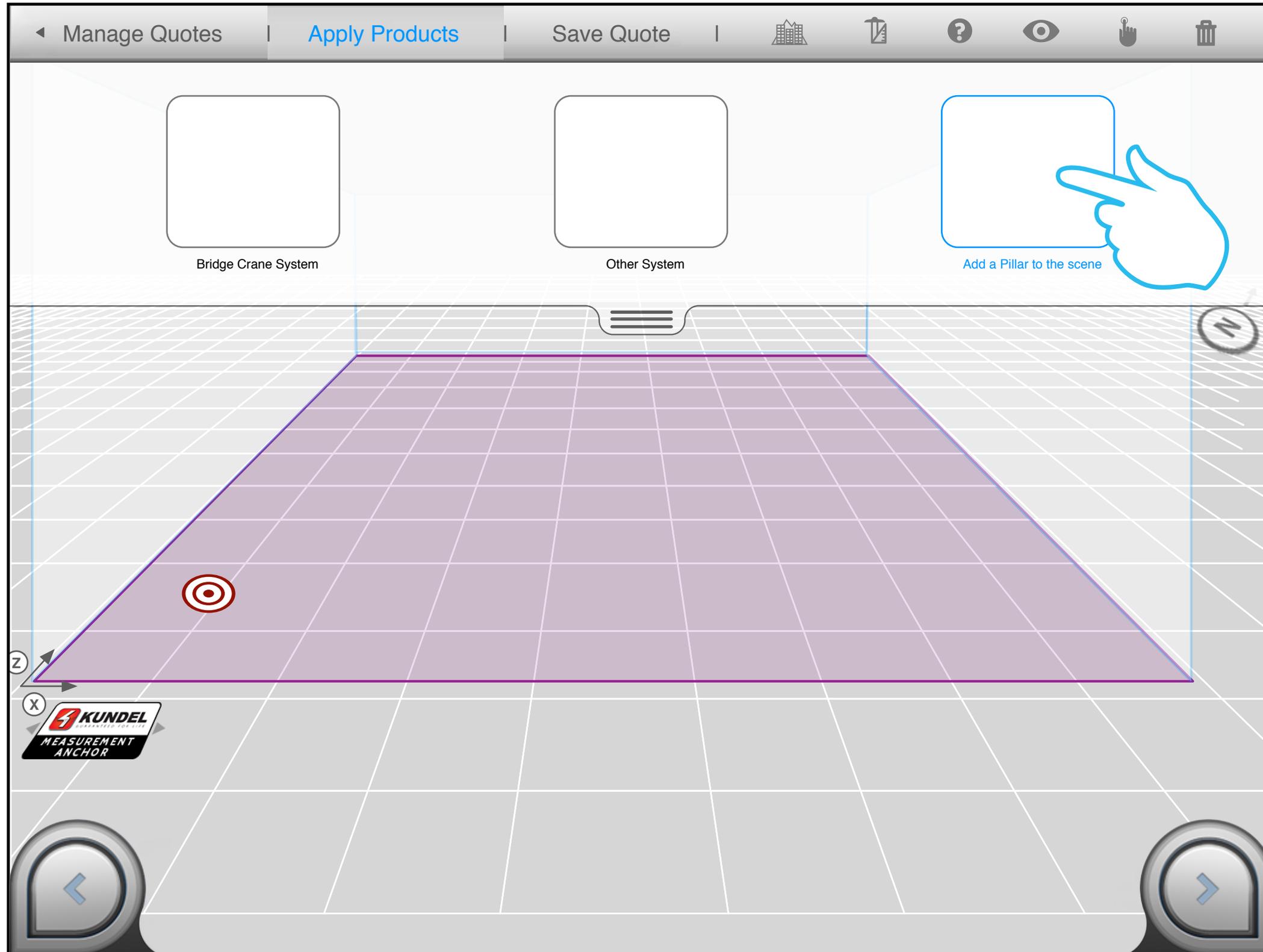
1. Locate/Size System | 2. Configure System | 3. Options



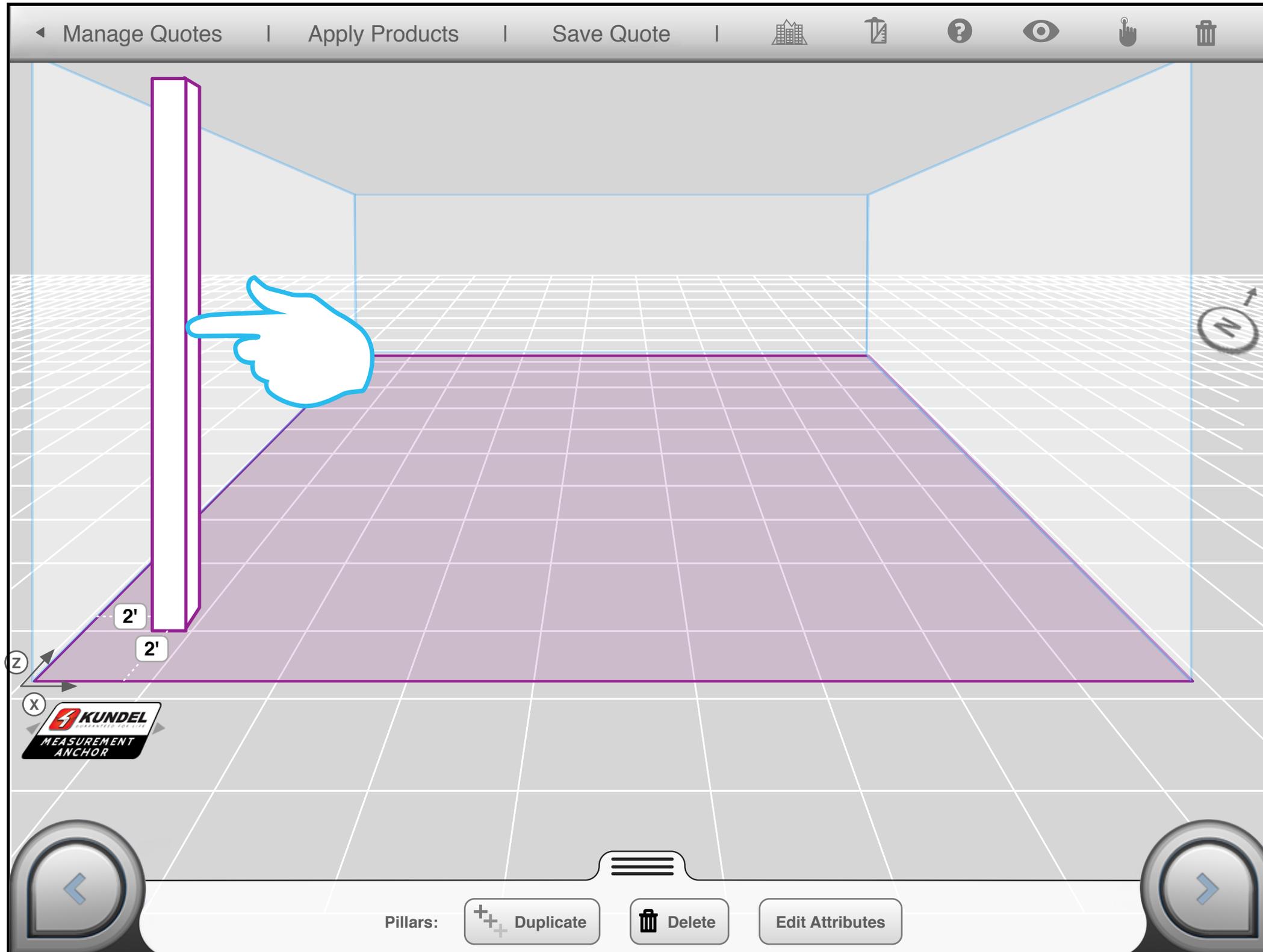
move destination target



add pillar



relocate pillar



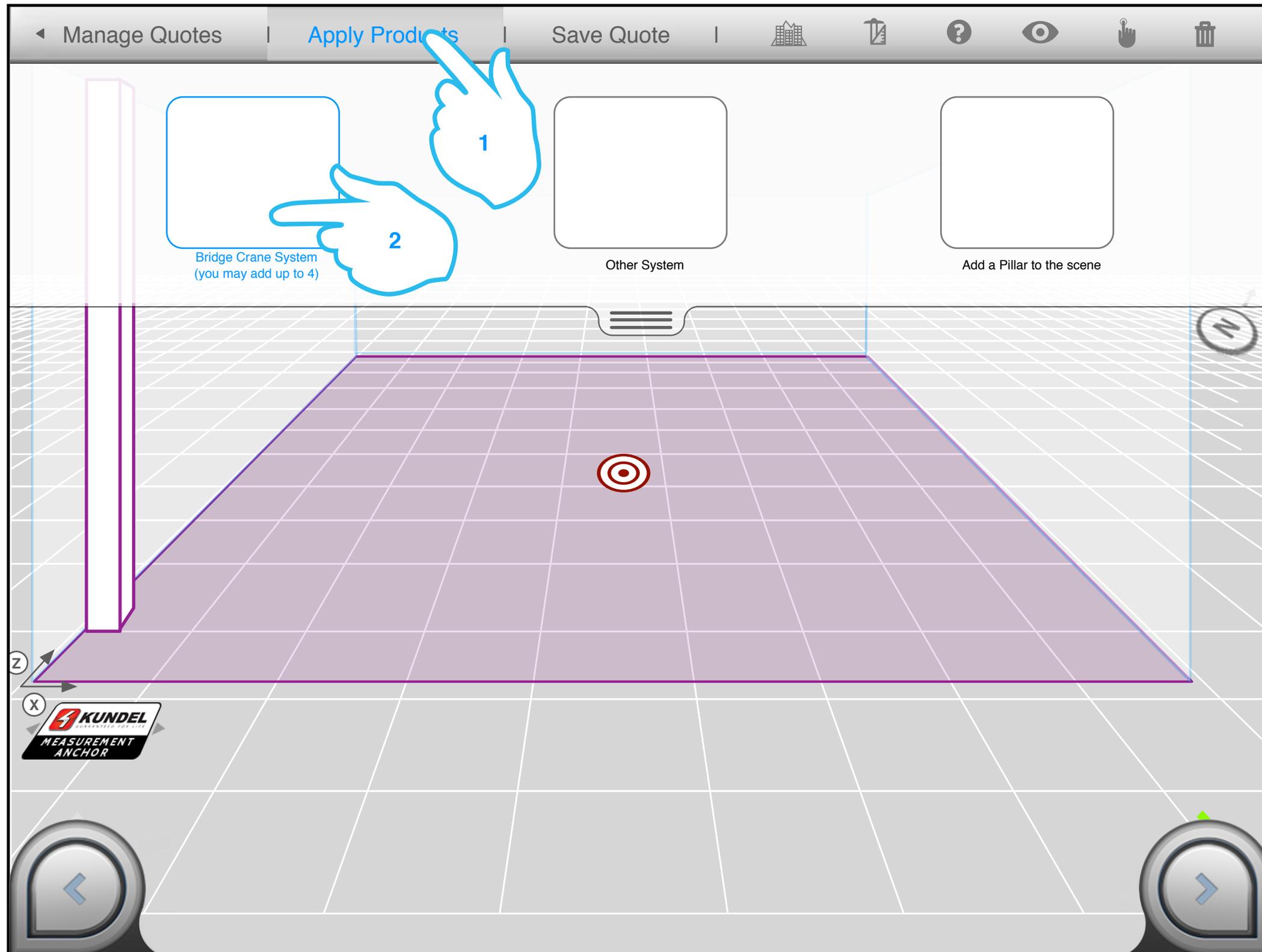
The screenshot shows a software interface for editing a pillar. At the top, a navigation bar contains the following items: a left arrow, 'Manage Quotes', a vertical separator, 'Apply Products', a vertical separator, 'Save Quote', a vertical separator, a building icon, a pencil icon, a question mark icon, an eye icon, a hand icon, and a trash icon. The main 3D view shows a purple pillar on a grid floor. A blue wireframe box is positioned behind the pillar. Two '2'' dimension labels are shown near the base of the pillar. A north arrow is on the right side of the grid. In the bottom-left corner, there is a 'KUNDEL MEASUREMENT ANCHOR' logo. Below the 3D view is a control panel with a hamburger menu icon, a 'Pillars:' label, and three buttons: 'Duplicate' (with a plus icon), 'Delete' (with a trash icon), and 'Edit Attributes' (with a hand icon pointing to it). Below these buttons is an 'Edit Attributes' section with two sliders: 'Distance from X' (set to 2 ft) and 'Distance from Z' (set to 2 ft). The interface is framed by a grey border with navigation arrows on the bottom left and right.



duplicate pillar

The screenshot shows a software interface for configuring pillars in a 3D environment. At the top, a navigation bar includes 'Manage Quotes', 'Apply Products', and 'Save Quote', along with icons for a building, a pencil, a question mark, an eye, a hand, and a trash can. The main 3D view shows a purple grid floor with three white pillars. Two '10'' labels indicate the distance between the first two pillars. A hand icon points to the 'Duplicate' button in the 'Pillars:' section. Below the 3D view, a control panel features a 'KUNDEL MEASUREMENT ANCHOR' logo, a 'Rows' slider set to 3, a 'Columns' slider set to 1, a 'Row Distance' slider set to 10 ft, and a 'Column Distance' slider set to 0 ft. The 'Apply' button is highlighted with a hand icon. A 'Cancel' button is also present. The interface is framed by a grey border with navigation arrows on the left and right sides.





Manage Quotes | Apply Products | Save Quote | [Icons]

48' 40' 30' 43' 50' 15' 2'

Crane Footprint

Place Crane

Center of runway 40 ft Runway length 50 ft Post height 30 ft

Distance from Z 15 ft Distance from X 2 ft

Rotate 90° Delete Crane

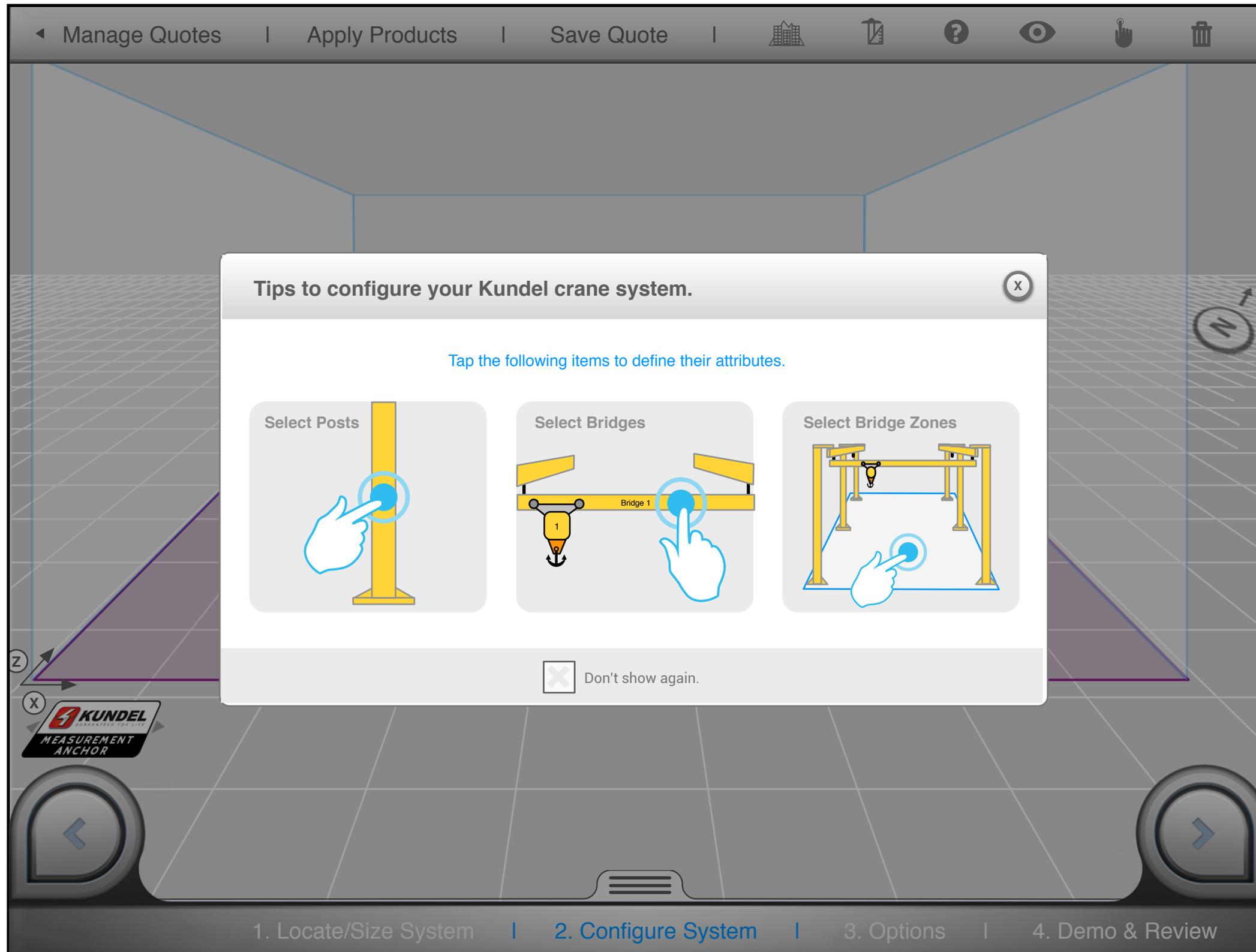
1. Locate/Size System | 2. Configure System | 3. Options

Sliders and dimensions are currently for the crane footprint.

Can we put workspace dimensions in yet? We don't know trolley numbers or weights yet, seems like we should only focus on footprint here.

Does this type of rotate affordance work or do we need curved arrows on the floor?



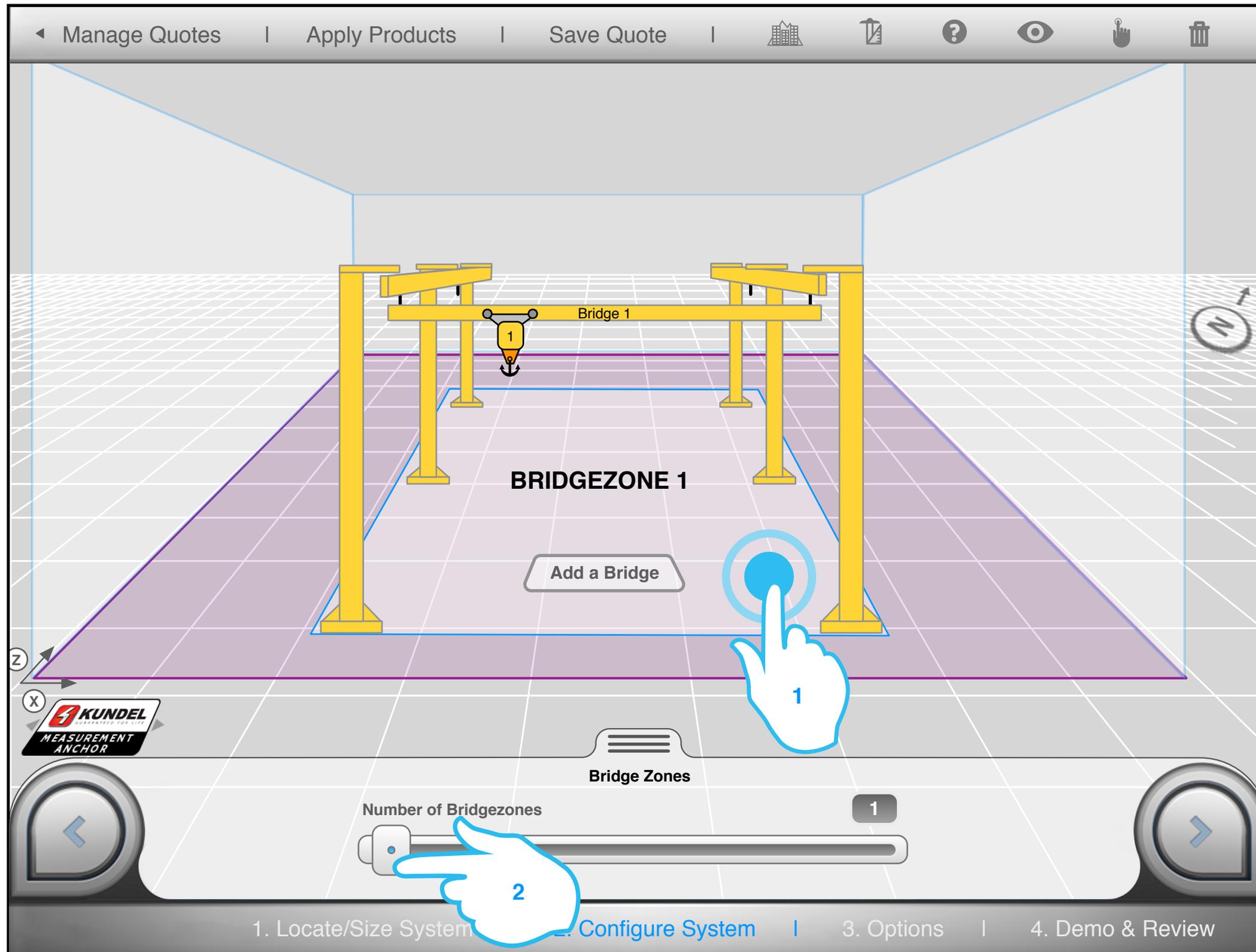


We need a tutorial here that tells the user the touch points they need to know to configure the crane details. Those include: posts, bridge zone footprint, and bridges.

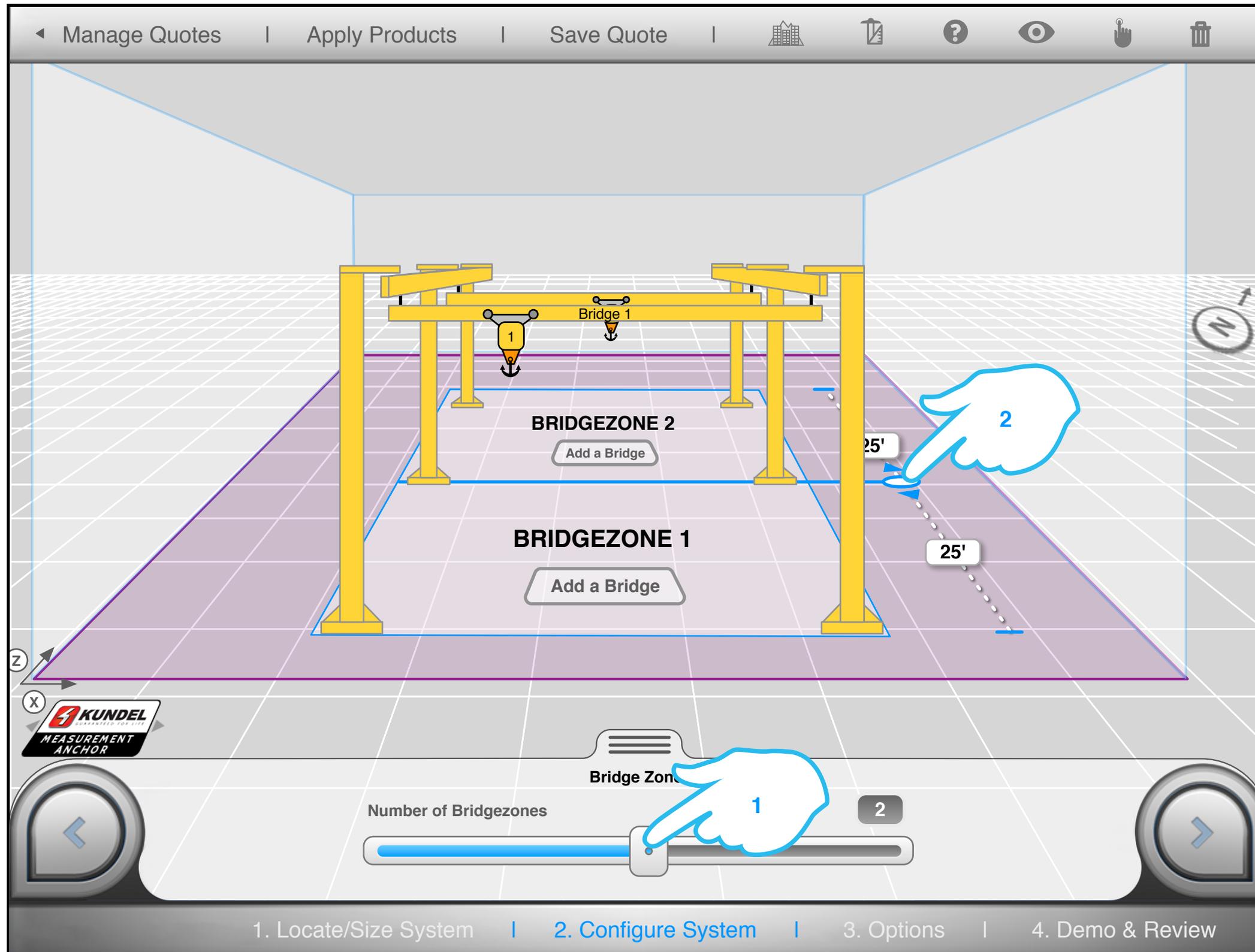
Disagree with the note that configuration should be changed to Bridge Zone. What about "plan?" Or "quote?"

Do we need a note about using trolley's together/weight limits





adjust bridge zones

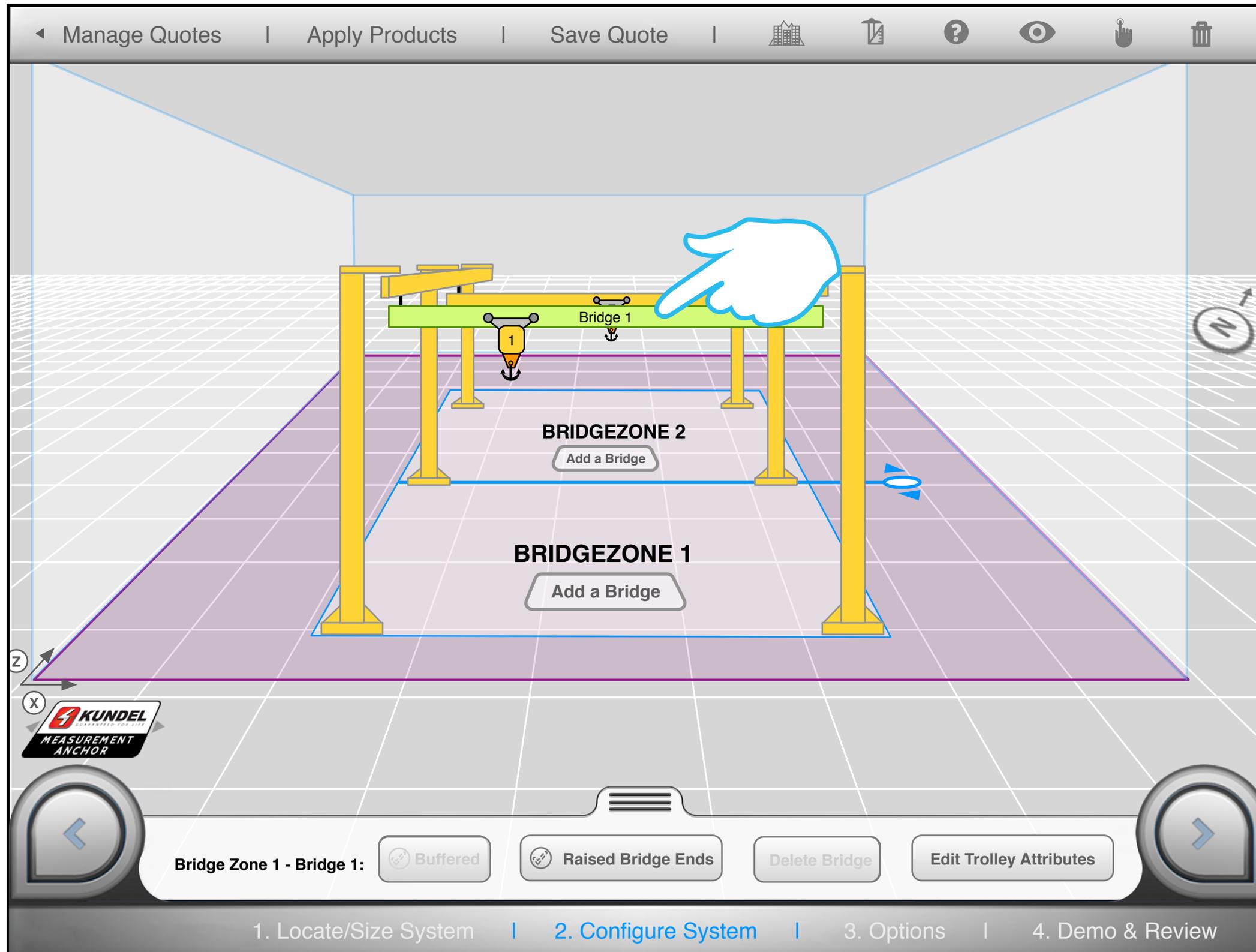


Agree with modal needed when the user moves slider to the left.

Do we need to ask if bridge zones are used together? Guy at Kundel said they let customers exceed the weight limit with the understanding that they don't use cranes together.



select bridge



Buffer button greyed out until there's more than 1 bridge in the zone.



Manage Quotes | Apply Products | Save Quote | ? | |

BRIDGEZONE 2
Add a Bridge

BRIDGEZONE 1
Add a Bridge

Bridge Zone 1 - Bridge 1: Buffered Raised Bridge Ends Delete Bridge Edit Trolley Attributes

Trolley 1 on off
Hoist Type: None Kundel Hoist Other
Max Load: 250 500 1000 2000 3000 4000 6000

Trolley 2 on off
Hoist Type: None Kundel Hoist Other
Max Load: 250 500 1000 2000 3000 4000 6000

1. Locate/Size System | 2. Configure System | 3. Options | 4. Demo & Review

First trolley defaults to on. Second Trolley defaults to off.



trolley attributes 2

Manage Quotes | Apply Products | Save Quote

Bridge 1

BRIDGEZONE 2

Bridge Zone 1 - Bridge 1:

Buffered Raised Bridge Ends Delete Bridge Edit Trolley Attributes

Trolley 1 on off Trolley 2 on off

Hoist Type: None, Kundel Hoist, Other

Max Load: 250, 500, 1000, 2000, 3000, 4000, 6000

Use trolleys together

1. Locate/Size System | 2. Configure System | 3. Options | 4. Demo & Review

"Use trolleys together" button pops up when 2nd trolley is switched on.



Manage Quotes | Apply Products | Save Quote

Bridge Zone 1 - Bridge 1: Buffered Raised Bridge Ends Delete Bridge Edit Trolley Attributes

Trolley 1 off
Hoist Type: None **Kundel Provided** Other
Max Load: 250 500 1000 2000 3000 4000 6000
Support Type: None Vacuum Lift Mag Lift
Required Hoist Lift: 10' 15' 20' Voltage: 110 220
Hoist Speed: 32/8 | Hoist Headroom Loss: 12.25"

Trolley 2 on off
Hoist Type: None Kundel Provided **Other**
Max Load: 250 500 1000 2000 3000 4000 6000
Support Type: None Vacuum Lift Mag Lift
Hoist Weight: 20 lbs.
Hoist Headroom Loss: 2 ft.

Use trolleys together

1. Locate/Size System | 2. Configure System | 3. Review System | 4. Demo & Review



Manage Quotes | Apply Products | Save Quote | [Icons]

Bridge Zone 1 - Bridge 1: Buffered Raised Edge Ends Delete Bridge Edit Trolley Attributes

Trolley 1 on [Toggle] off
Hoist Type: None Kundel Provided Other
Max Load: 250 500 1000 2000 3000 4000 6000
Support Type: None Vacuum Lift Mag Lift
Required Hoist Lift: 10' 15' 20' Voltage: 110 [Toggle] 220
Hoist Speed: 32/8 | Hoist Headroom Loss: 12.25"

Trolley 2 on [Toggle] off
Hoist Type: None Kundel Provided Other
Max Load: 250 500 1000 2000 3000 4000 6000
Support Type: None Vacuum Lift Mag Lift
Hoist Weight: 20 lbs.
Hoist Headroom Loss: 2 ft.

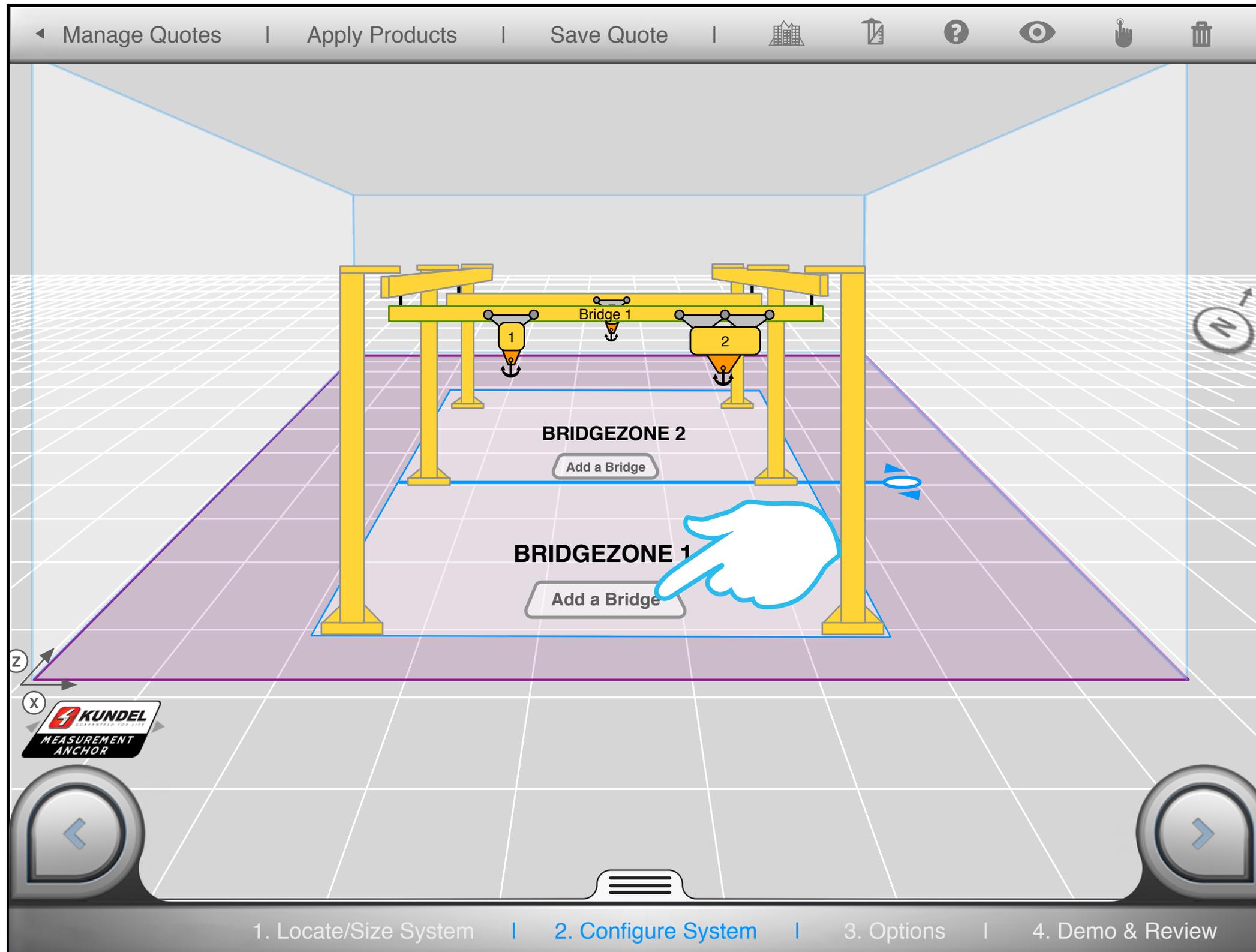
Use trolleys together

1. Locate/Size System | 2. Configure System | 3. Options | 4. Demo & Review

"Use trolleys together" button pops up when 2nd trolley is switched on.



add a bridge



Do we need to include a button to "remove a bridge" next to the "add a bridge" button?

Would we need to let the user choose the specific bridge to remove or just remove them in the same order they were added?

Removal via a button in the POP is much easier and direct.



Manage Quotes | Apply Products | Save Quote | [Icons]

BRIDGEZONE 2
Add a Bridge

BRIDGEZONE 1

Bridge Zone 1 - Bridge 2: Buffered Raised Bridge Ends Delete Bridge Edit Trolley Attributes

Trolley 1 on off
Hoist Type: None Kundel Hoist Other
Max Hoist Load: 250 500 1000 2000 3000 4000 6000

Trolley 2 on off
Hoist Type: None Kundel Hoist Other
Max Hoist Load: 250 500 1000 2000 3000 4000 6000

1. Locate/Size System | 2. Configure System | 3. Options | 4. Demo & Review

"Use bridges together" button is displayed on the floor of the bridgezone when there are 2 or more bridges in its bridge zone. This button links all of the bridges in the zone together.



Manage Quotes | Apply Products | Save Quote | [Icons]

Bridge Zone 1 - Bridge 2: Buffered Raised Bridge Ends Delete Bridge Edit Trolley Attributes

Use bridges together Add a Bridge

Trolley 1 on off
Hoist Type: None Kundel Hoist Other
Max Hoist Load: 250 500 1000 2000 3000 4000 6000

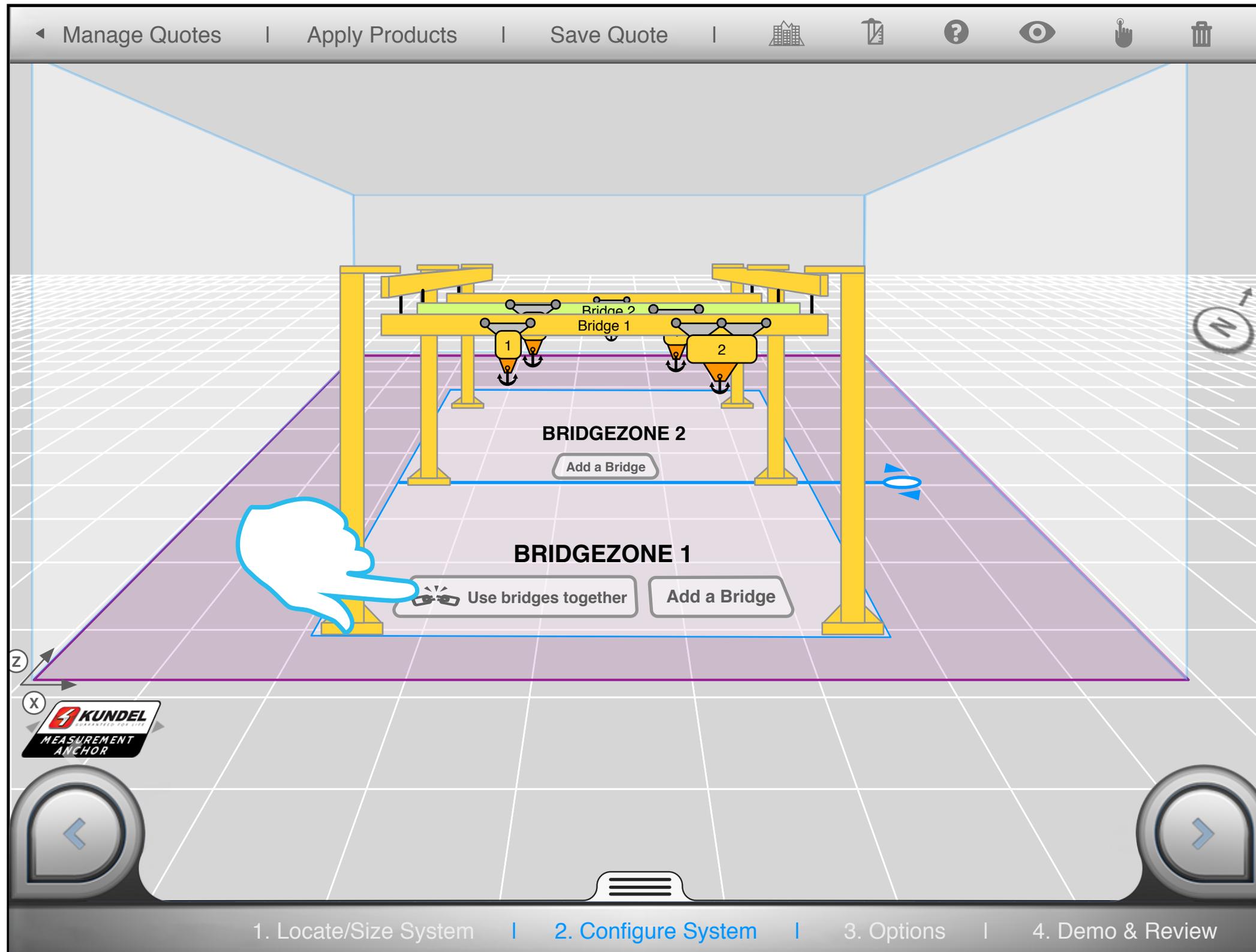
Trolley 2 on off
Hoist Type: None Kundel Hoist Other
Max Hoist Load: 250 500 1000 2000 3000 4000 6000

Use trolleys together

1. Locate/Size System | **2. Configure System** | 3. Options | 4. Demo & Review

When second trolley is turned on
"Use trolleys together" button pops in next to
the "use bridges together" button

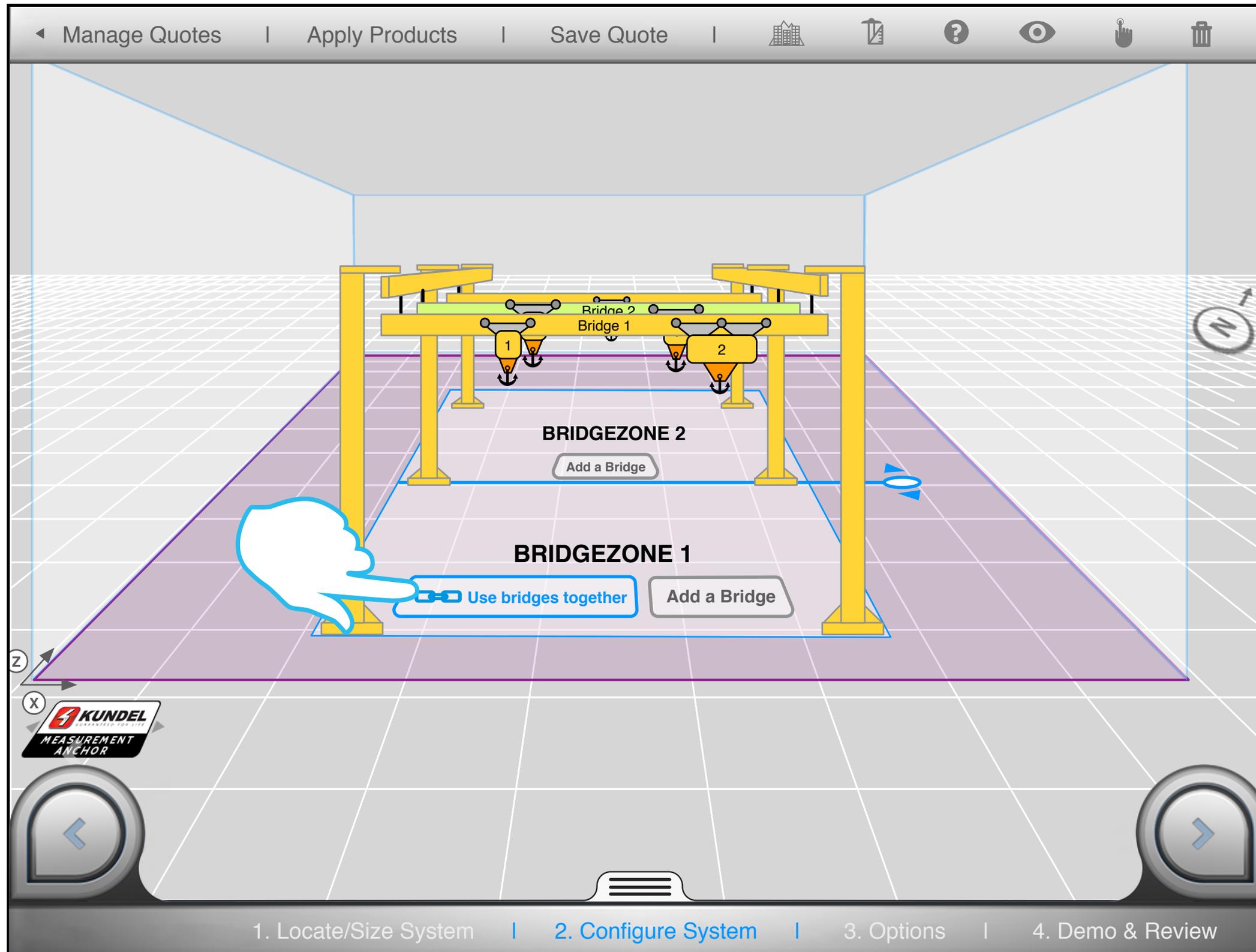




"Use bridges together" button is displayed on the floor of the bridgezone when there are 2 or more bridges in its bridge zone. This button links all of the bridges in the zone together.



Use bridges together 2



"Use bridges together" button is displayed on the floor of the bridgezone when there are 2 or more bridges in its bridge zone. This button links all of the bridges in the zone together.



Manage Quotes | Apply Products | Save Quote

BRIDGEZONE 2
Add a Bridge

BRIDGEZONE 1

Support Options: Delete Post Add Post Edit Attributes

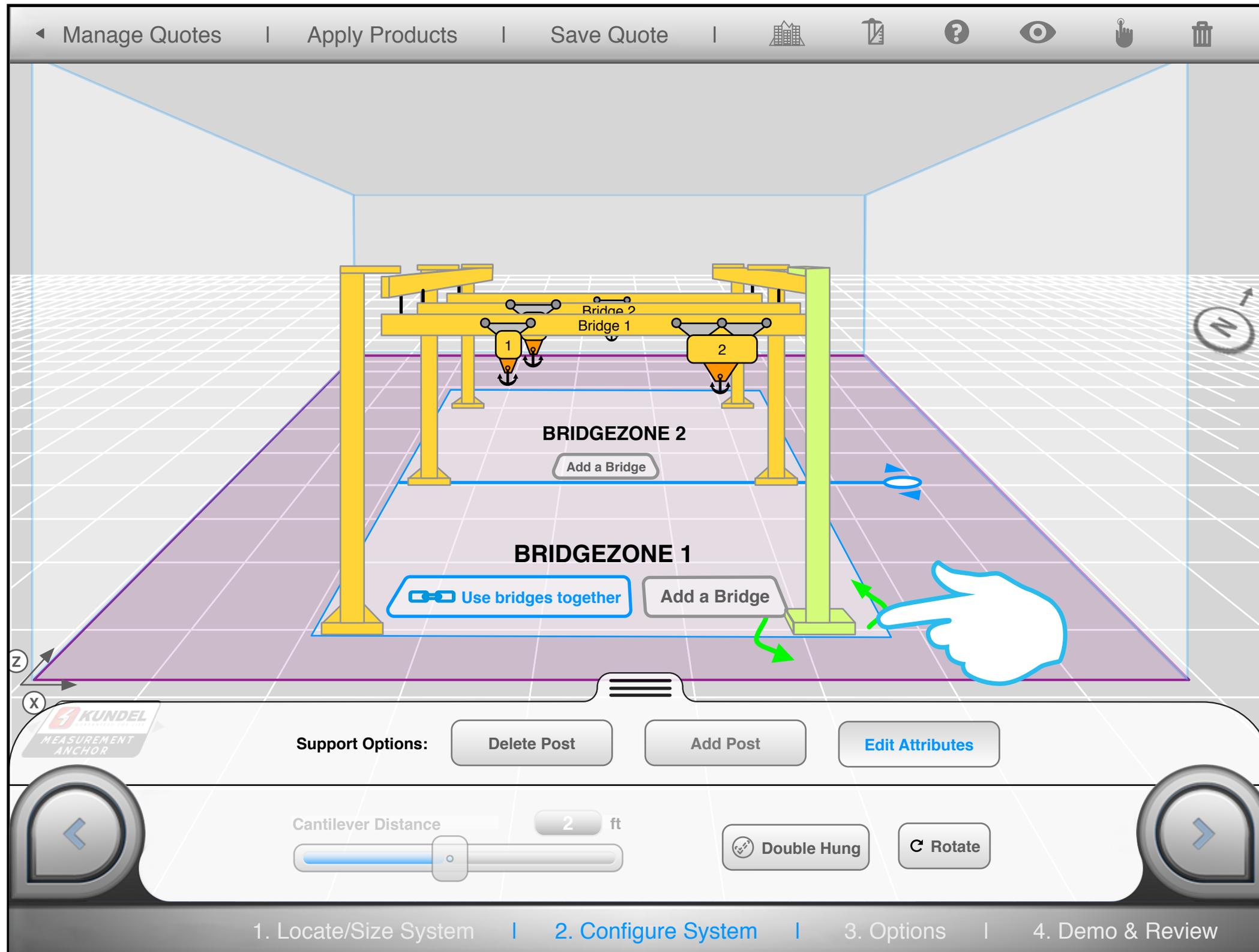
Cantilever Distance 2 ft

Double Hung Rotate

1. Locate/Size System | 2. Configure System | 3. Options | 4. Demo & Review



end post attributes 1



Cantilever distance slider becomes inactive when post is rotated to align with the rail.



Manage Quotes | Apply Products | Save Quote

BRIDGEZONE 2

BRIDGEZONE 1

25'

25'

Use bridges together

Add a Bridge

Add a Bridge

Support Options: Delete Post Add Post Edit Attributes

25 ft Distance between posts 25 ft

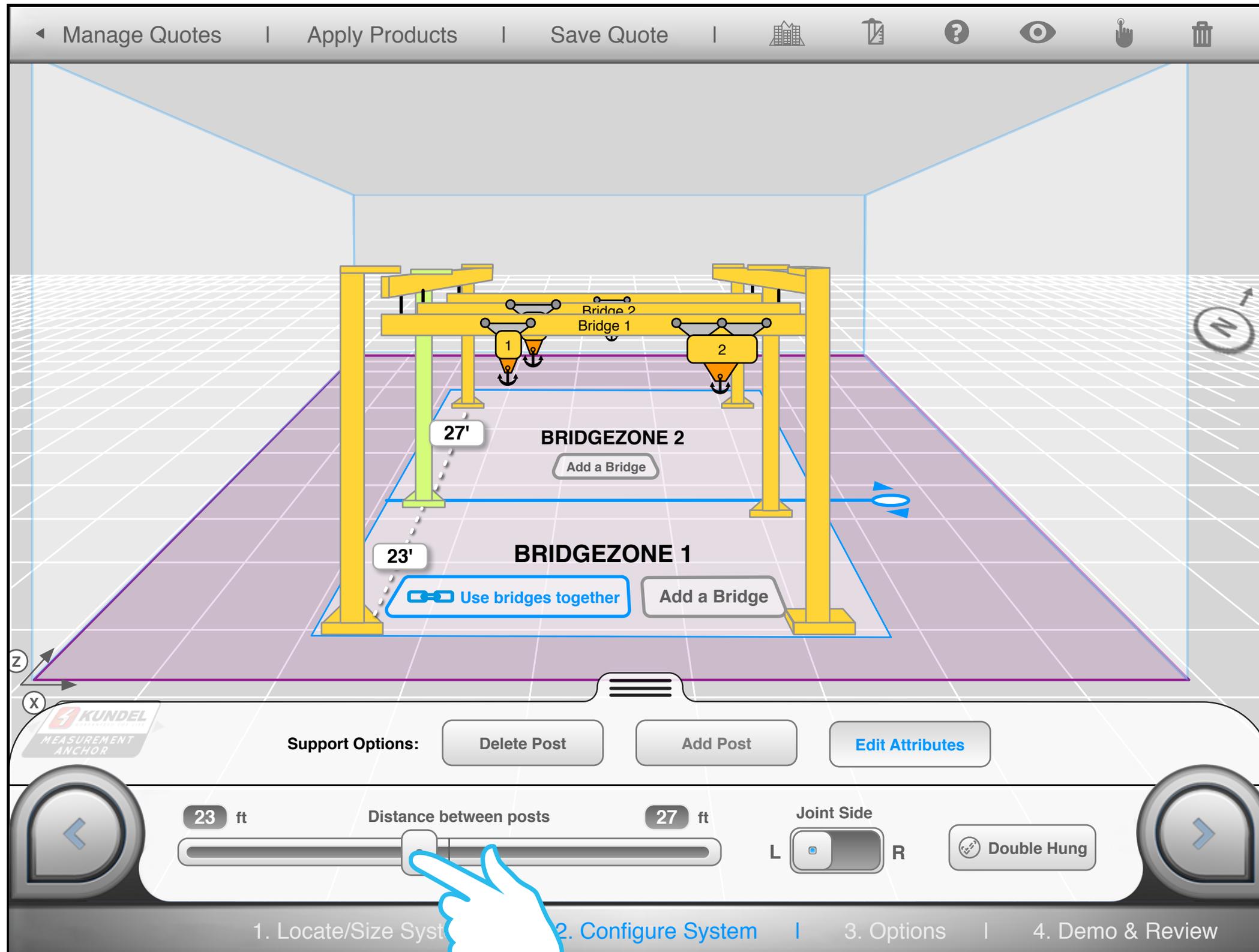
Joint Side L R Double Hung

1. Locate/Size System | 2. Configure System | 3. Options | 4. Demo & Review

Post can slide up to 42' away from another post before an alert asks if you would like to add another post.



drag inner post



Moving this post also changes the length of the bridge zone. The blue bridge zone slider moves along with the posts.



Manage Quotes | Apply Products | Save Quote | [Icons]

BRIDGEZONE 2
27'
Add a Bridge

BRIDGEZONE 1
23'
Use bridges together
Add a Bridge

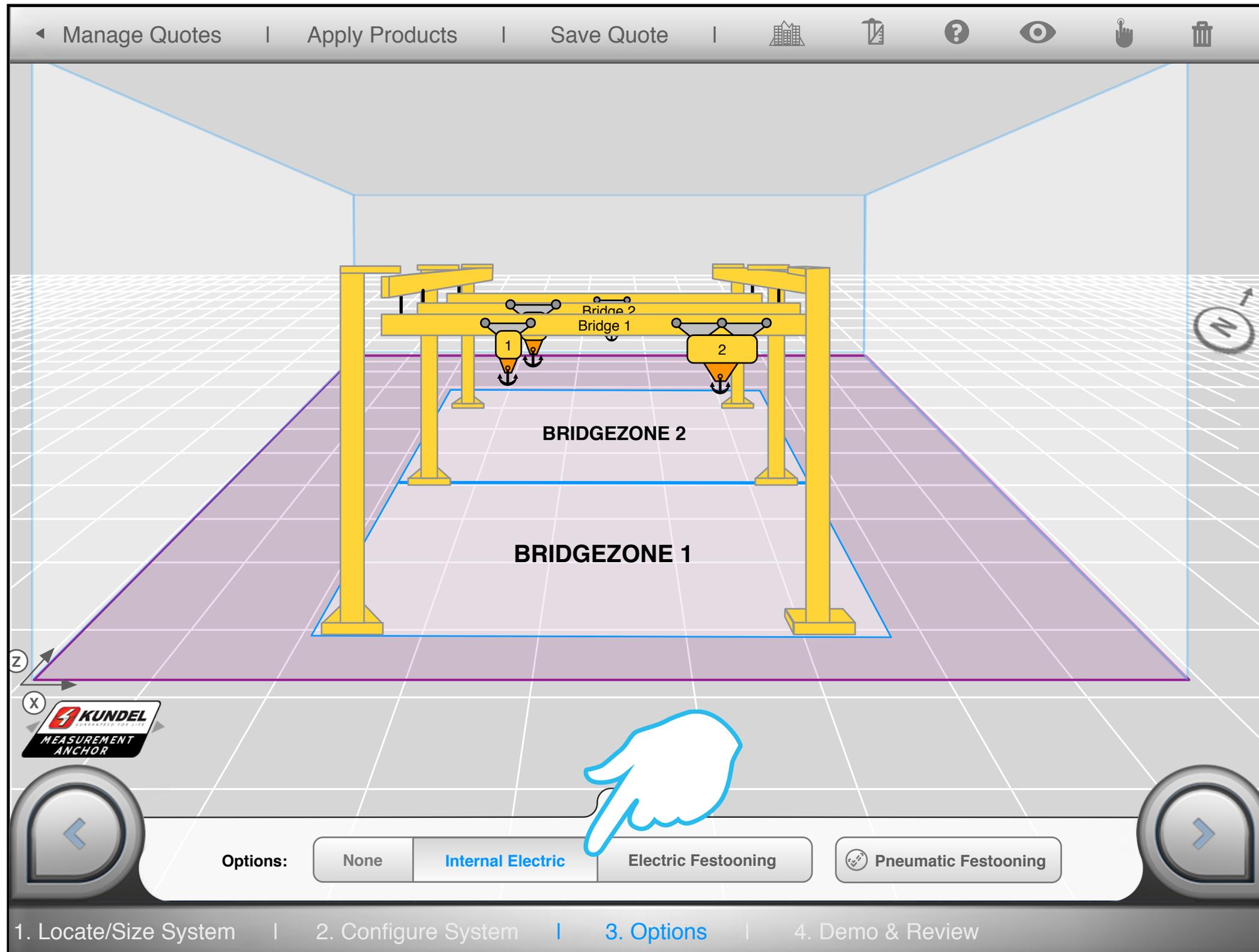
Support Options: Delete Post Add Post Edit Attributes

23 ft Distance between posts 27 ft Joint Side L R Double Hung

1. Locate/Size System | 2. Configure System | 3. Options | 4. Demo & Review

Moving this post also changes the length of the bridge zone. The blue bridge zone slider moves along with the posts.





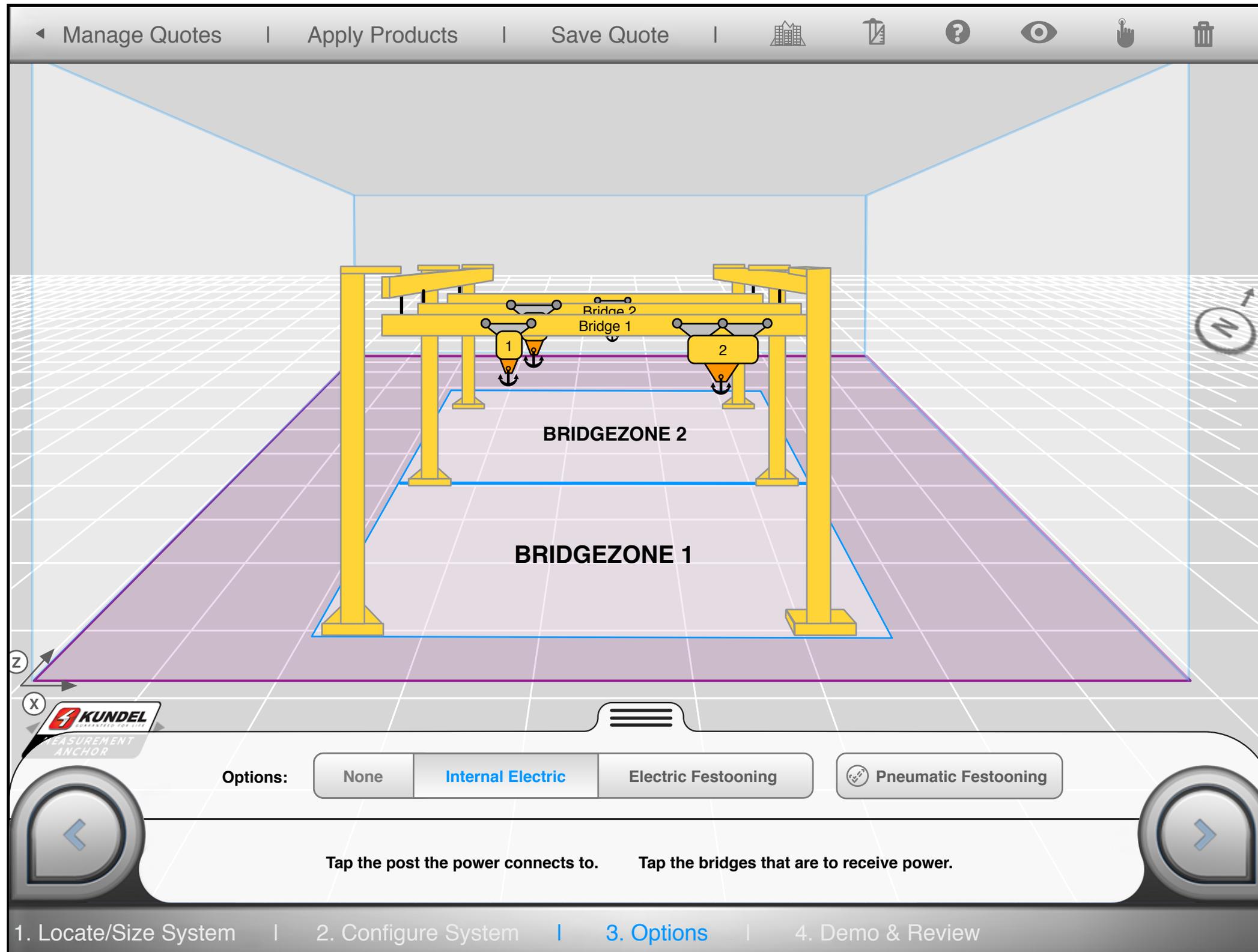
Need input on how this works.

Can they pick only one?

Different options for each bridge?

Internal Electric = choose a rail and post to run electricity through?





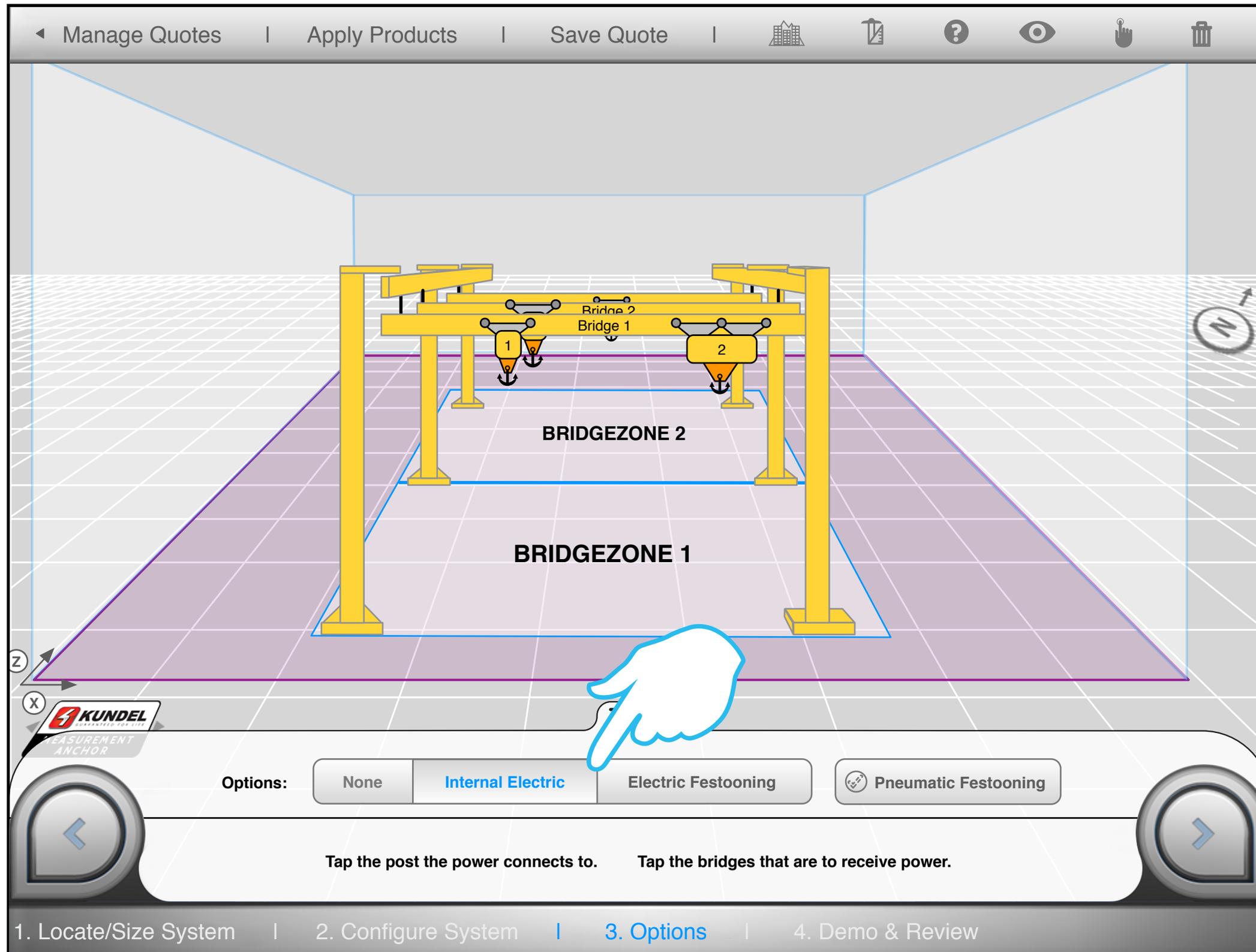
Need input on how this works.

Can they pick only one?

Different options for each bridge?

Internal Electric = choose a rail and post to run electricity through?





show corner posts and bridges highlight icon appear above.

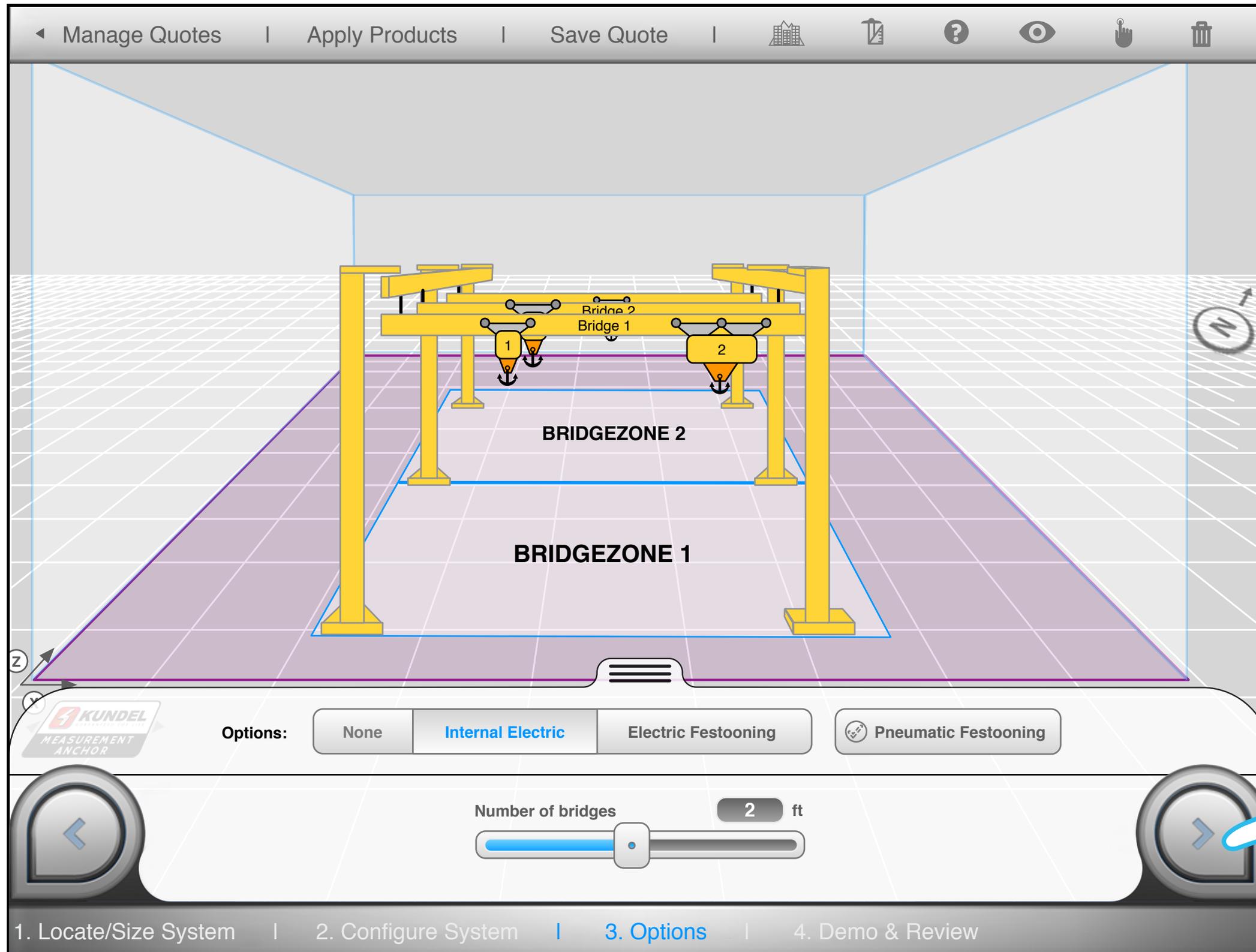
show user selecting a post. selected post highlights. Others look normal.

Q. do we really need to ask which post receives power?

show selected bridges highlight.

Q. does the order matter?
Can we just ask for the number of bridges the want to run power to?





show corner posts and bridges highlight icon appear above.

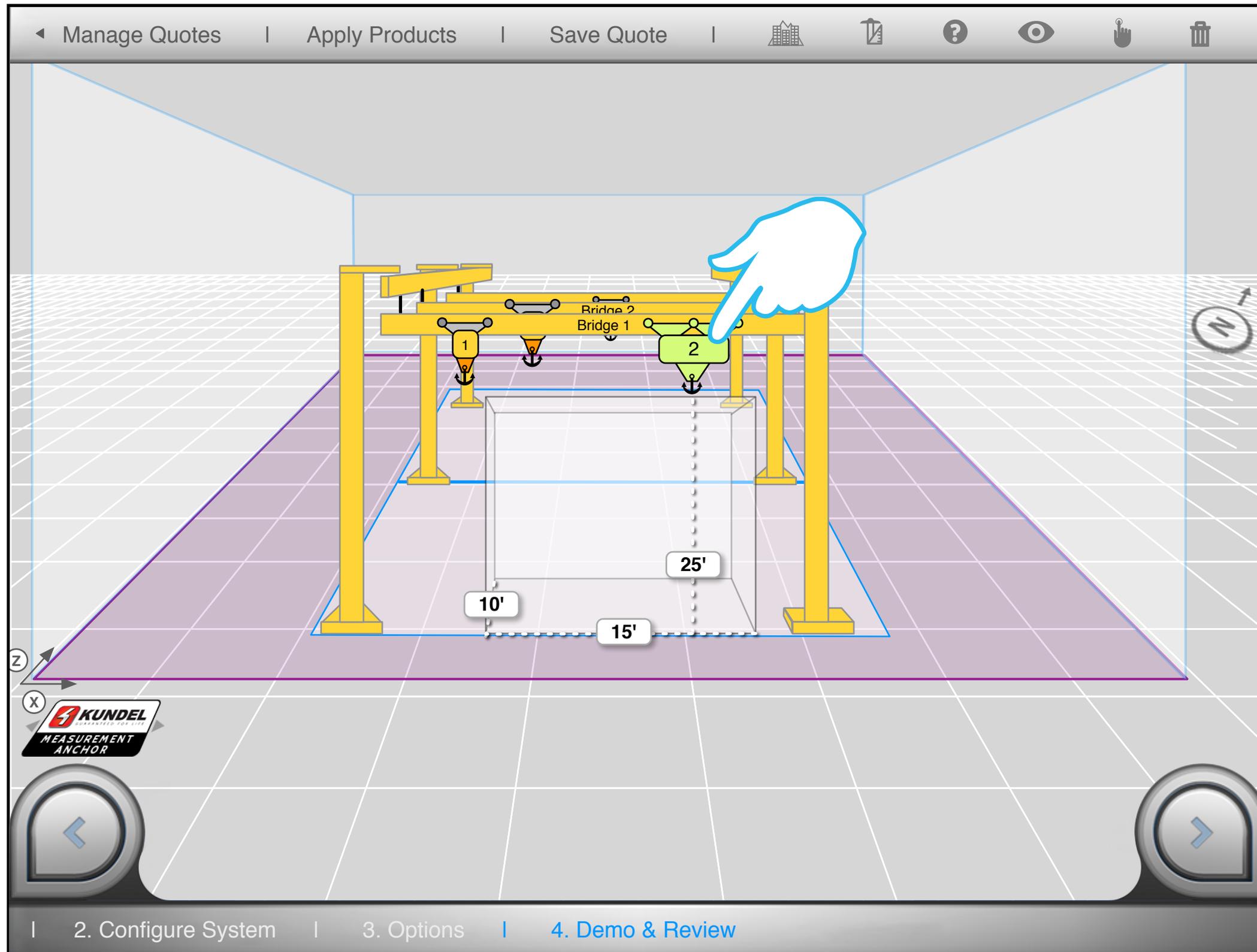
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show selected bridges highlight.

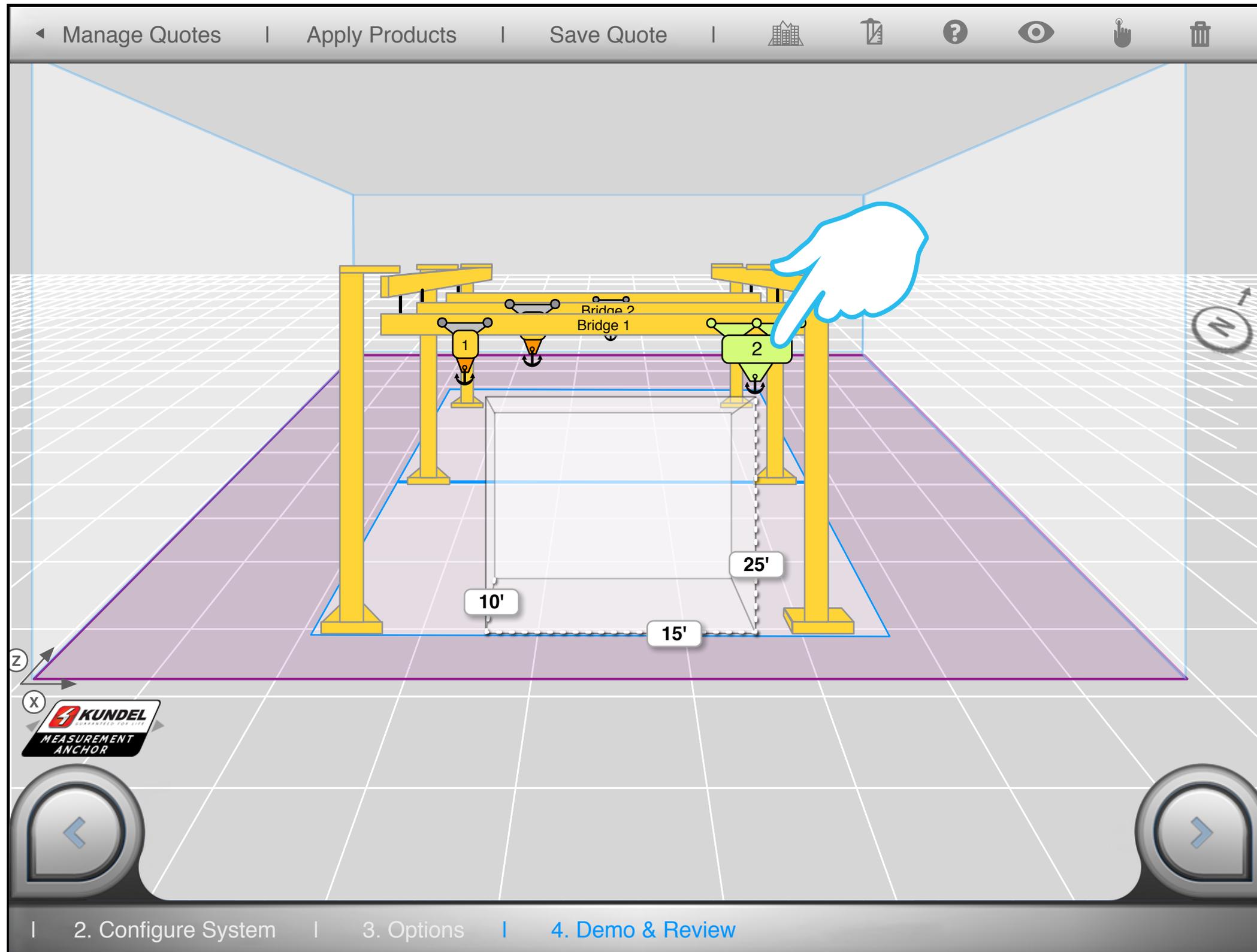
Q. does the order matter?
Can we just ask for the number of bridges the want to run power to?





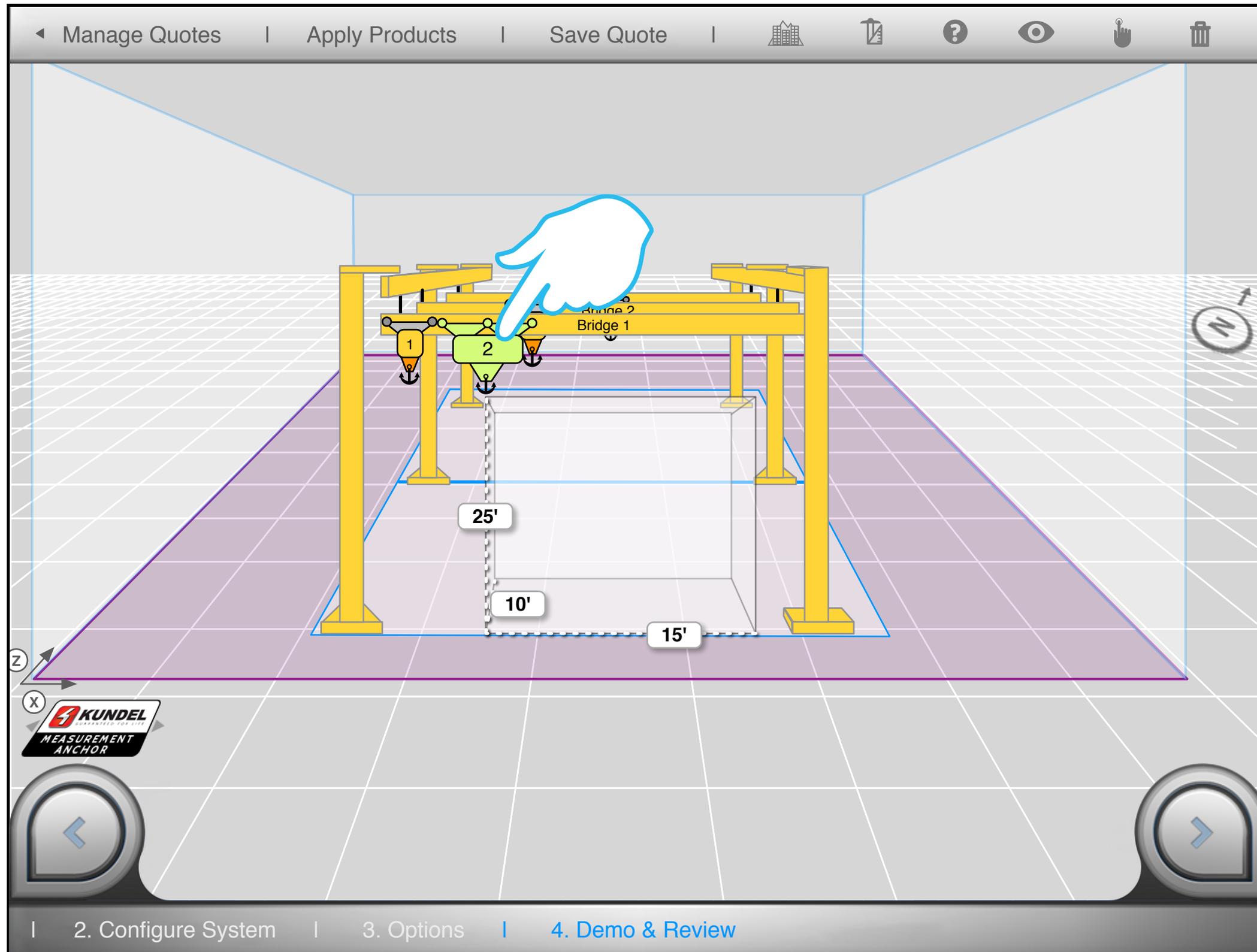
Tap a trolley to see its work zone. Drag it back and forth on the bridge to see it interact with the other trolley





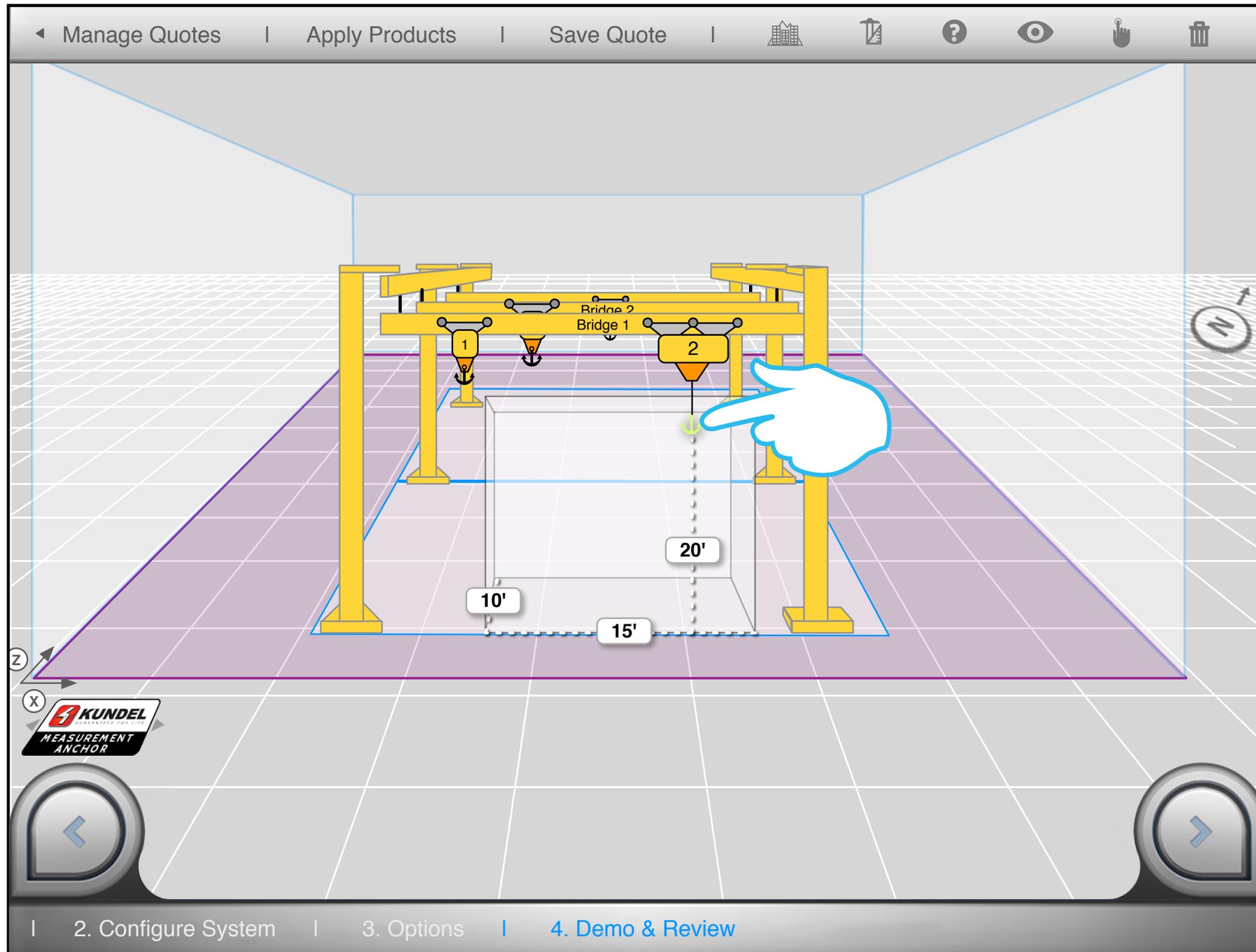
Tap a trolley to see its work zone. Drag it back and forth on the bridge to see it interact with the other trolley





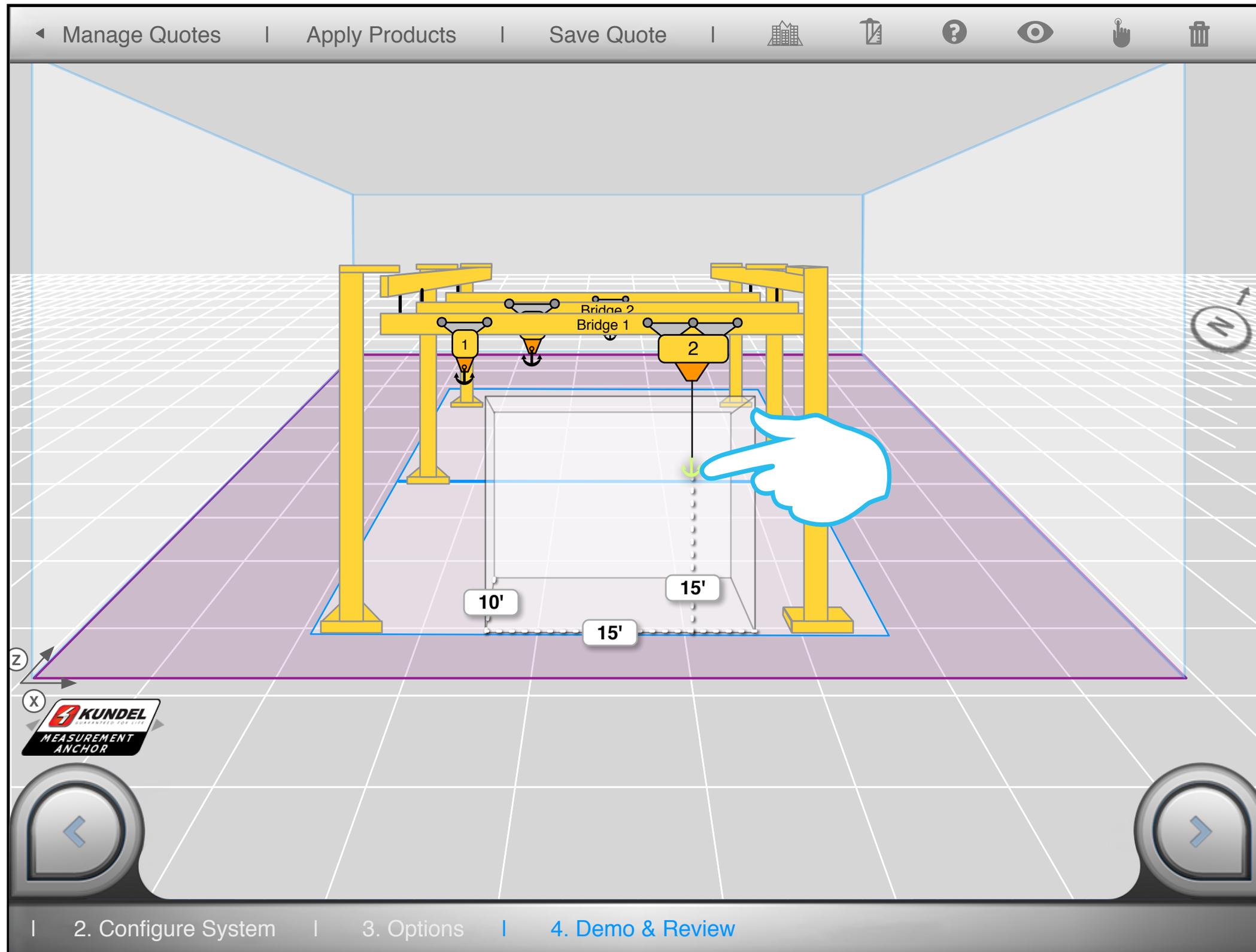
Tap a trolley to see its work zone. Drag it back and forth on the bridge to see it interact with the other trolley





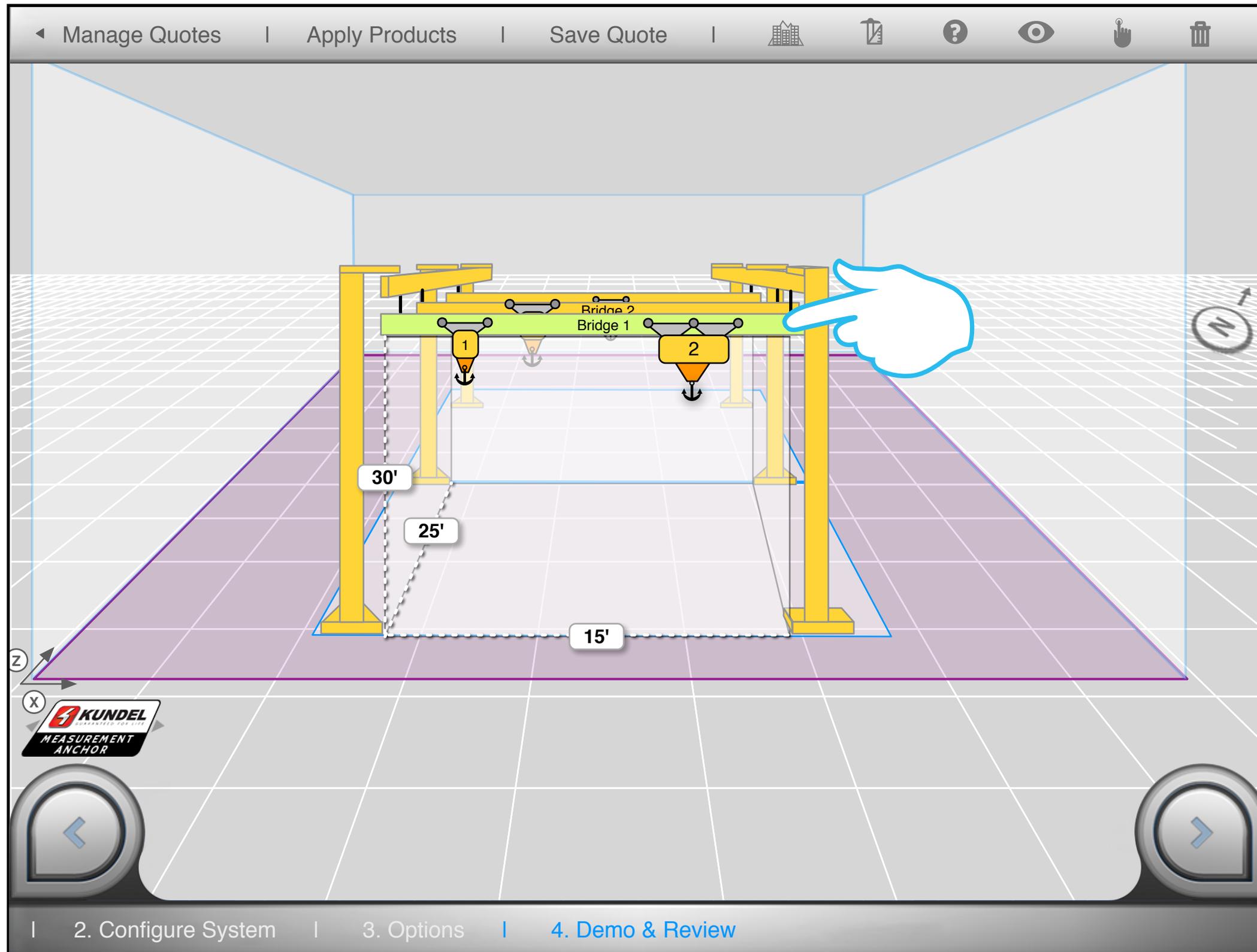
Tap a hoist to see its vertical drop. Drag it up and down.





Tap a hoist to see its vertical drop. Drag it up and down.





Tap a bridge to see its work zone dimensions. Drag it back and forth on the runway to see it interact with other bridges in the zone.

