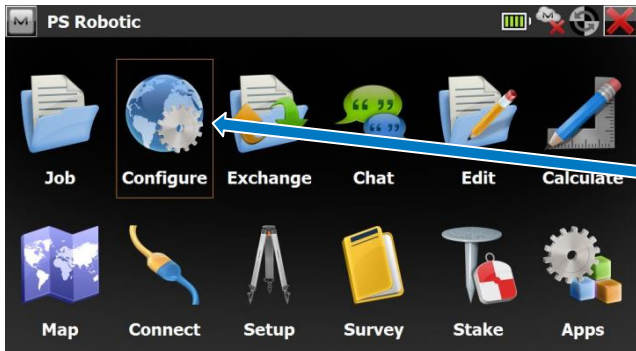


Creating and Saving a Robotic Bluetooth Configuration in MAGNET Field: **Power Station (PS)**



(1)

From the main MAGNET home screen, select the **Configure** menu button.

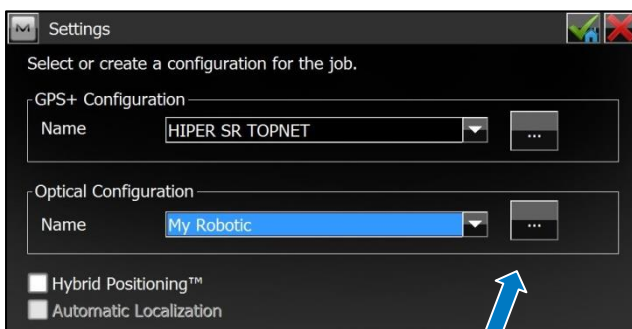
(2)

From here, select the **Survey** menu button.




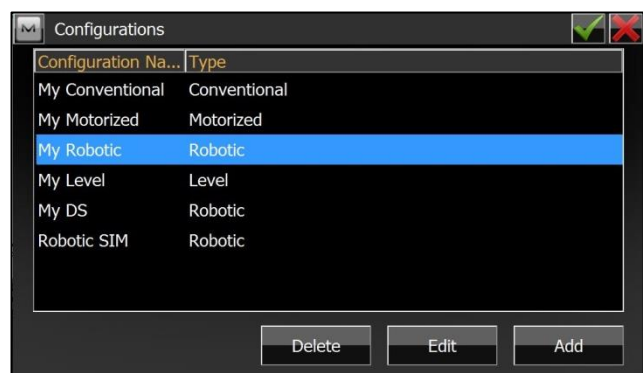
(3)

Press the drop-down arrow to the right of Optical Configuration Name and select: **My Robotic**.



(4)

Press the  button to the right of the Optical Configuration and press **Edit**.





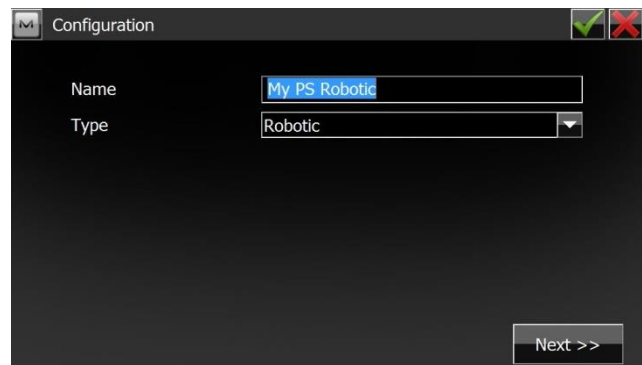
(5)

Enter a suitable name for the Configuration, e.g. **'My PS Robotic'**.

(6)

Set the Type to **Robotic**.

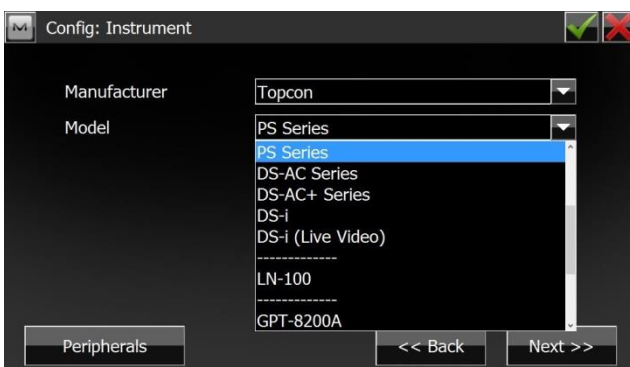
Press Next.



(7)

Set the Manufacturer to **Topcon** and the Model to **PS Series**.

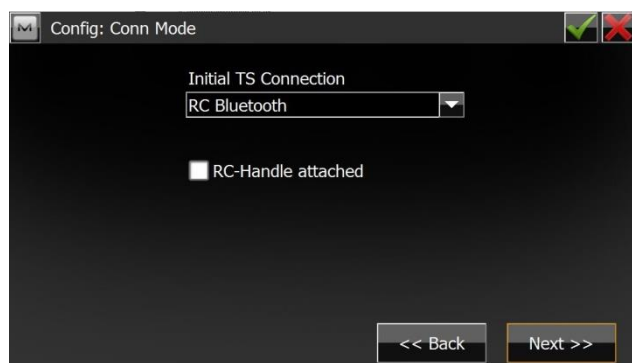
Press Next



(8)

Ensure 'Initial TS Connection' is set to **RC Bluetooth**.

Press Next.

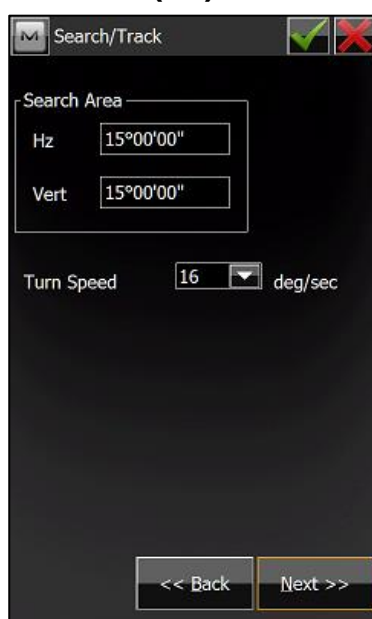


(9)

Compulsory survey parameters to ensure the creation of a PS Robotic Bluetooth connection have been completed.

Settings from the following menus can be **defined by the user** to best suit various on-site applications. For the purpose of this guide, all settings will remain at default values.

(10)



Search/Track

Search Area

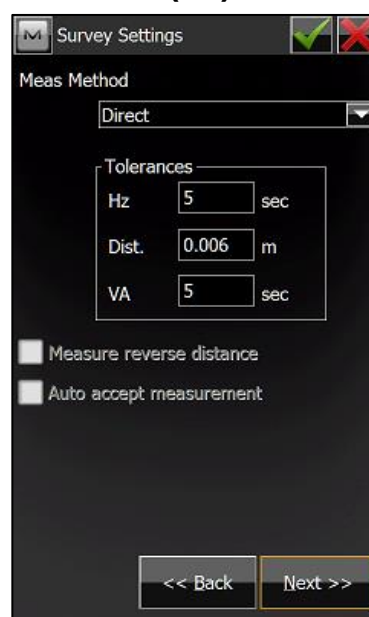
Hz: 15°00'00"

Vert: 15°00'00"

Turn Speed: 16 deg/sec

<< Back Next >>

(11)



Survey Settings

Meas Method: Direct

Tolerances

Hz: 5 sec

Dist.: 0.006 m

VA: 5 sec


☐ Measure reverse distance

☐ Auto accept measurement

<< Back Next >>



Press Next.



Survey Settings

Meas Type: HA/VA/SD

Target Type: Prism

Foresight P.C.: 0 Offset

Backsight P.C.: 0 Offset

Guide: Off

Auto Topo

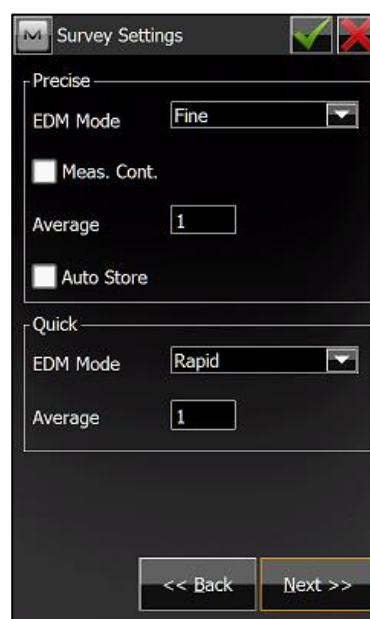
Method: By Time

Interval: 1.00 sec

<< Back Next >>



Press Next.



Survey Settings

Precise

EDM Mode: Fine

☐ Meas. Cont.

Average: 1

☐ Auto Store

Quick

EDM Mode: Rapid

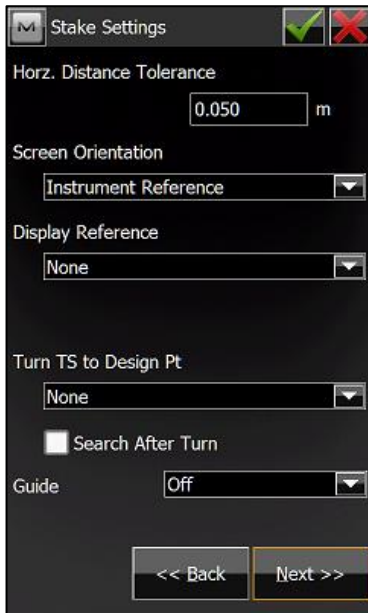
Average: 1

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(12)

(13)

(14)



Stake Settings

Horz. Distance Tolerance: 0.050 m

Screen Orientation: Instrument Reference

Display Reference: None

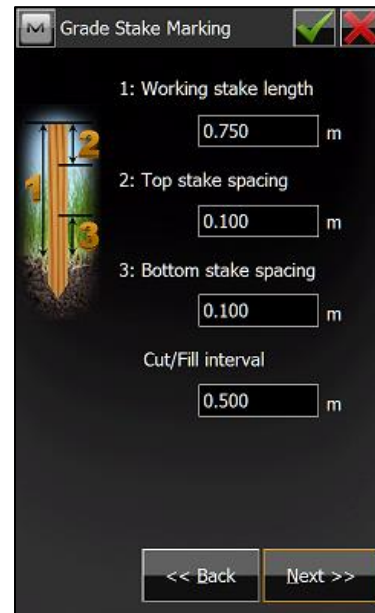
Turn TS to Design Pt: None

☐ Search After Turn

Guide: Off

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(15)



Grade Stake Marking

1: Working stake length: 0.750 m

2: Top stake spacing: 0.100 m

3: Bottom stake spacing: 0.100 m

Cut/Fill interval: 0.500 m

<< Back Next >>

Press Next.

(16)



Stake Settings

Store Staked Point As

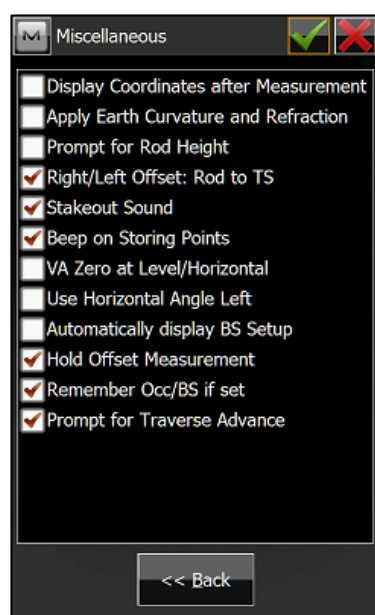
Point: Design Pt Suffix

_stk

Note: Design Point

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(17)



Miscellaneous

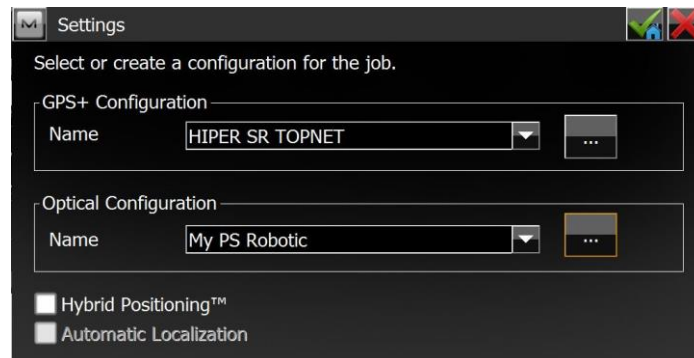
- ☐ Display Coordinates after Measurement
- ☐ Apply Earth Curvature and Refraction
- ☐ Prompt for Rod Height
- ☒ Right/Left Offset: Rod to TS
- ☒ Stakeout Sound
- ☒ Beep on Storing Points
- ☐ VA Zero at Level/Horizontal
- ☐ Use Horizontal Angle Left
- ☐ Automatically display BS Setup
- ☒ Hold Offset Measurement
- ☒ Remember Occ/BS if set
- ☒ Prompt for Traverse Advance

<< Back

Press Next.

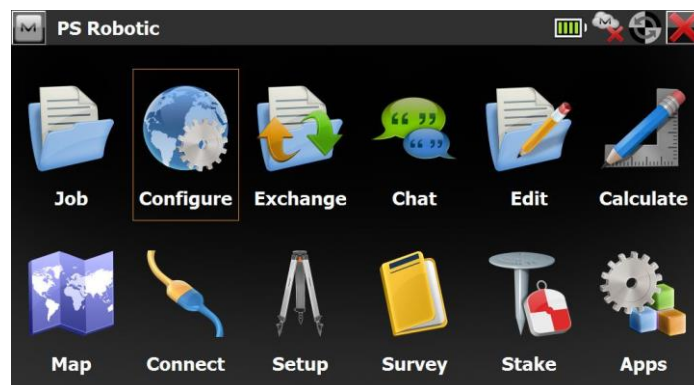
Press the **Green Tick** icon to complete the configuration.





(18)

Ensure the newly created Optical Configuration is selected and press the **Green Tick/Home** icon.



(19)

This will return the user back to the main MAGNET Field home screen.

(20)

The new Configuration created will remain a default Configuration and for all subsequent jobs only the job name need be entered.

The user can then proceed to connect to the instrument and work without the need to check or change the settings each time.