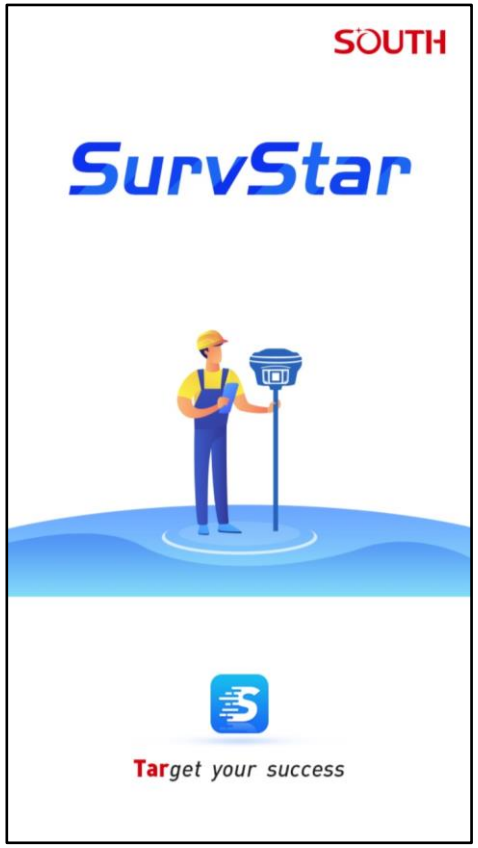
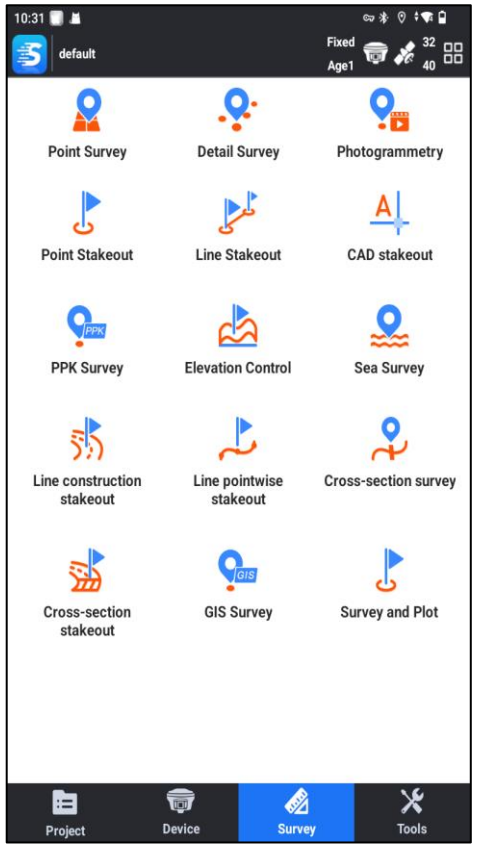
SurvStar: SOUTH Measurement App keeps continuous EVOLUTION

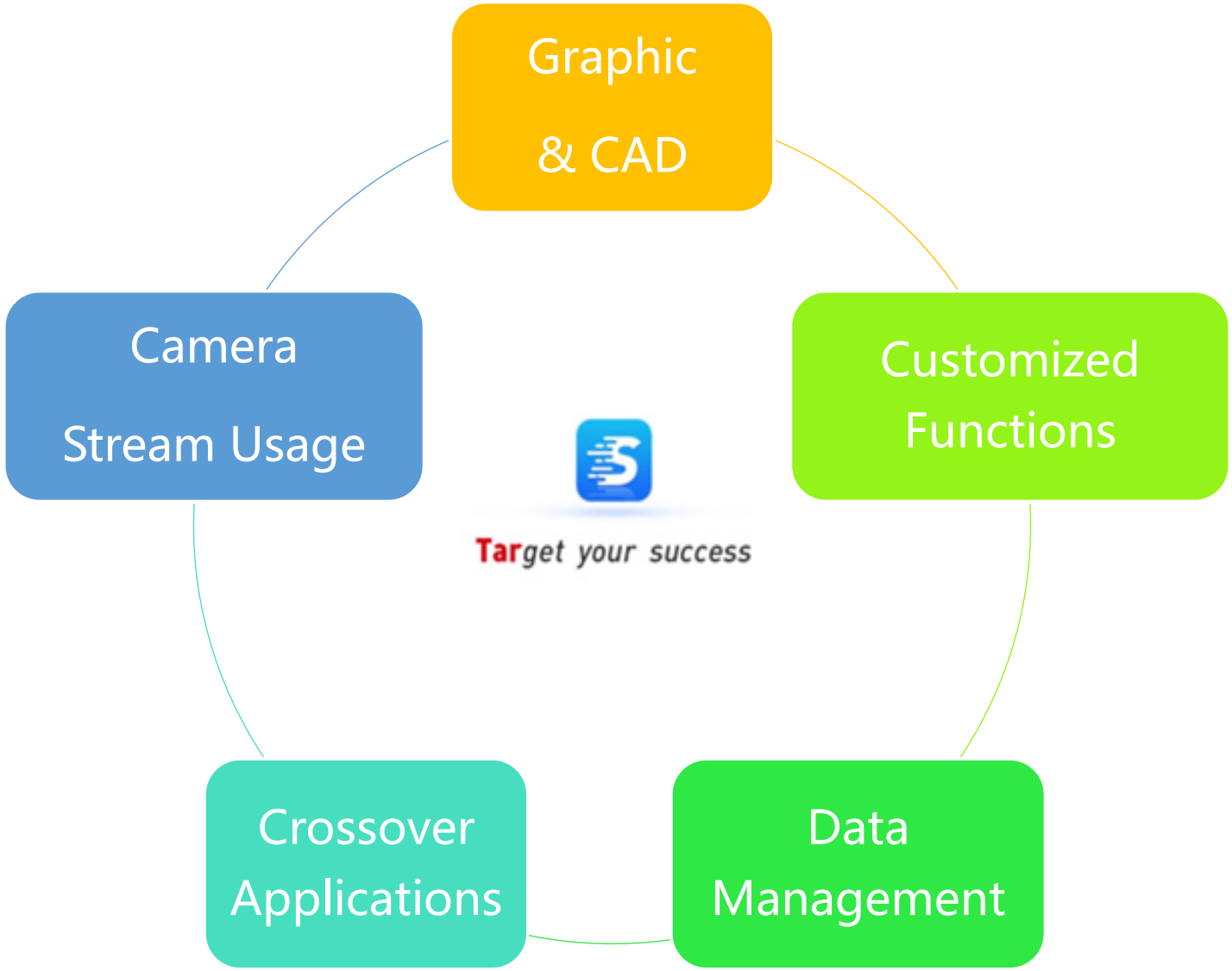




- Photogrammetry
- AR Live view Stakeout
- Survey and Plot
- CAD Draw
- GIS Survey
- Sea Survey
- Total Station Data Transfer

SOUTH
Target your success

Five Sectors of Improvements for SurvStar in 2023



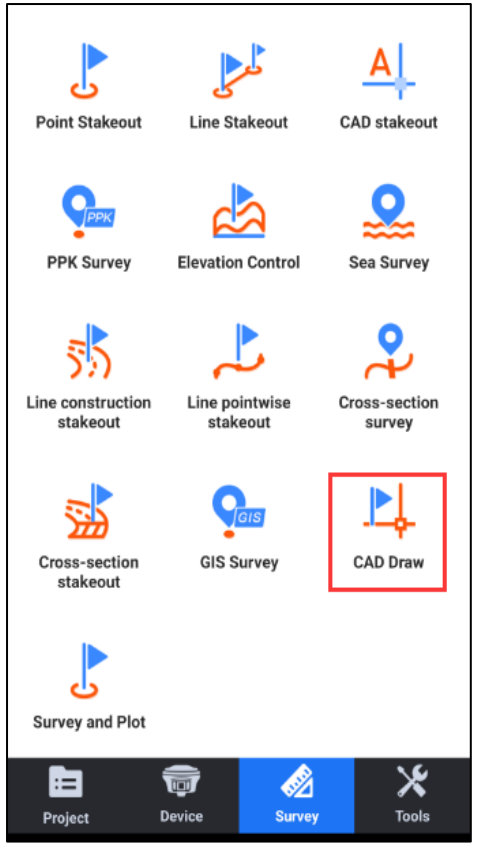
SOUTH
Target your success

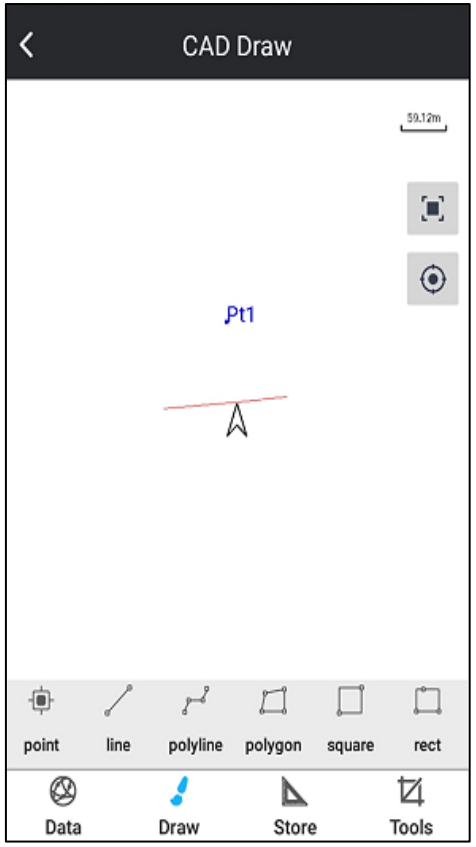
Five Sectors of Improvements for SurvStar in 2023

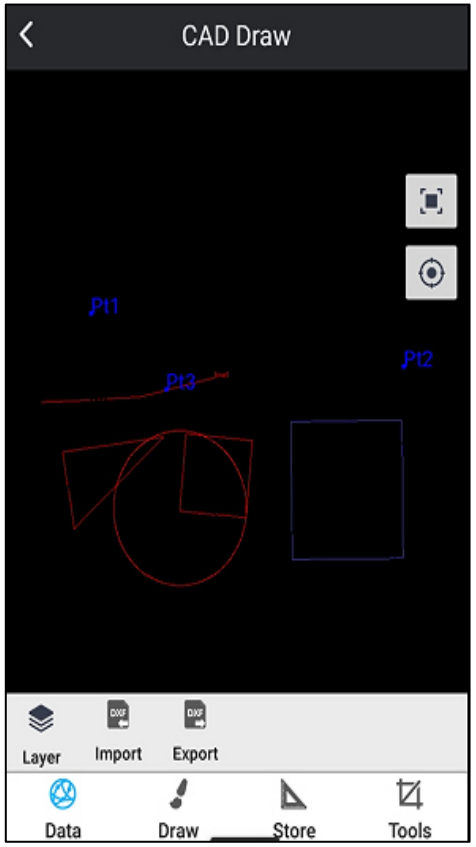
Graphic & CAD	Camera Stream Usage	Crossover Applications	Data Management	Customized Functions
CAD Draw	Photogrammetry	GIS Survey	Multi-Format Export	Cutting Area
Survey and Plot	AR Point Stakeout	Sea Survey	Data Back-up	WMS
CAD Stakeout	AR Line Stakeout	Total Station	STH Download	PPK RTK Check
	AR CAD Stakeout		Rinex Transformation	Coordinate System

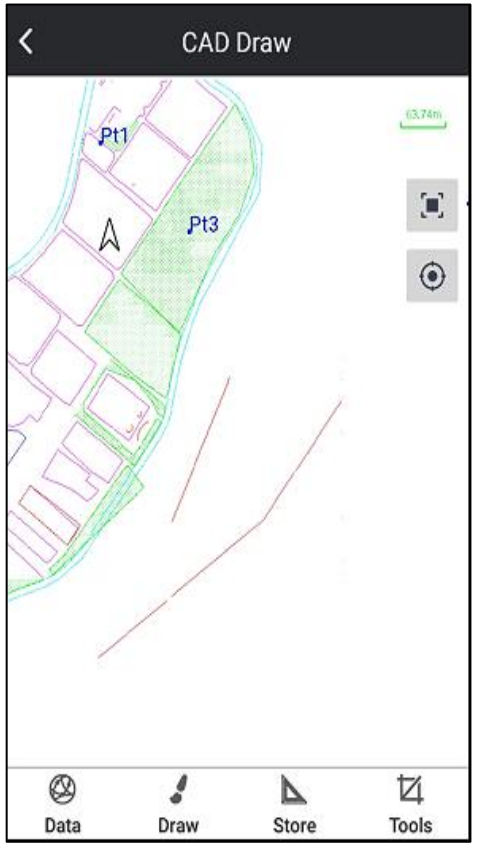
Graphic&CAD-CAD Draw-Draw CAD Anywhere Any Time

- CAD functions in hand, surveyors can process dxf/dwg in field.



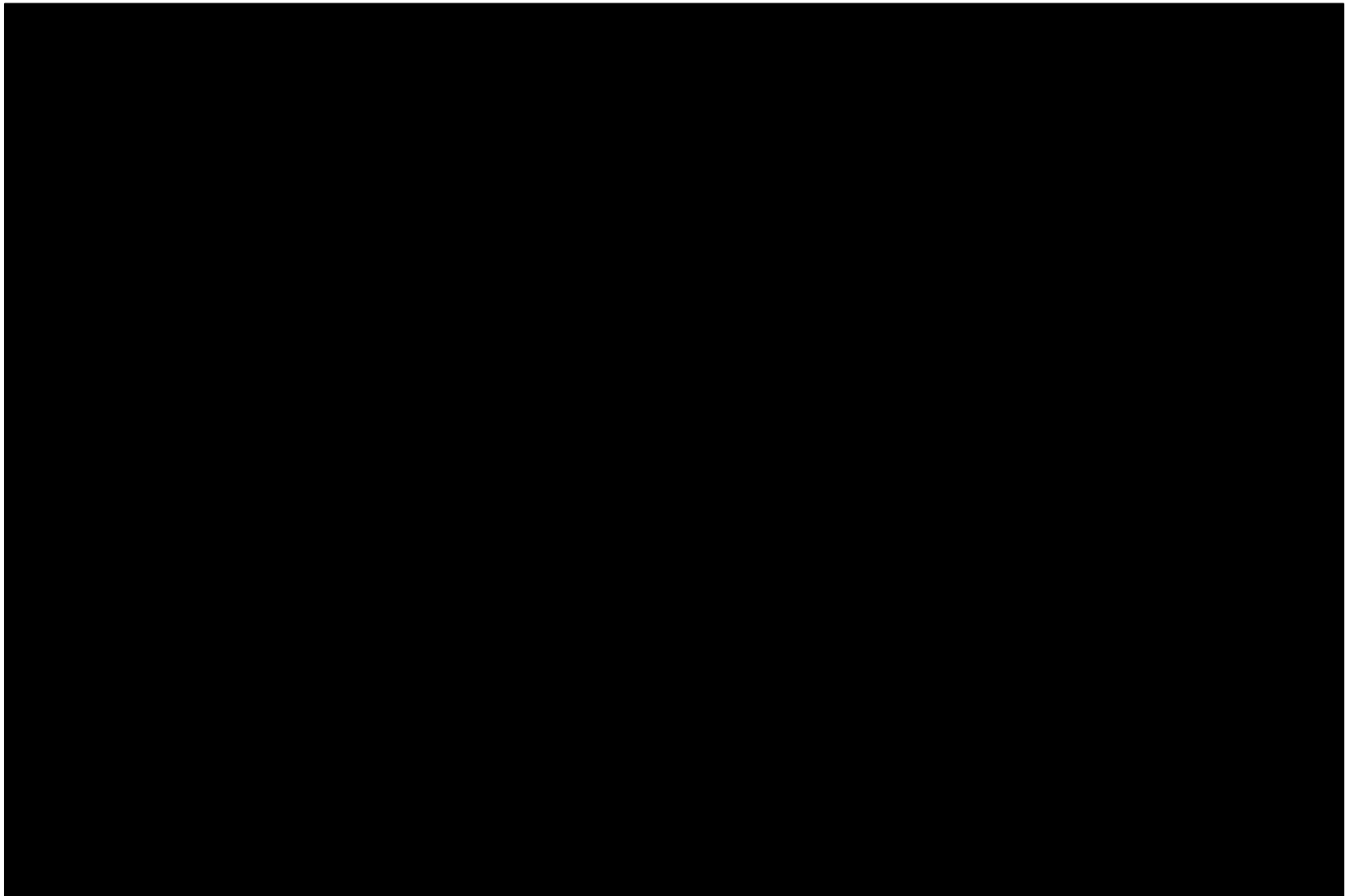






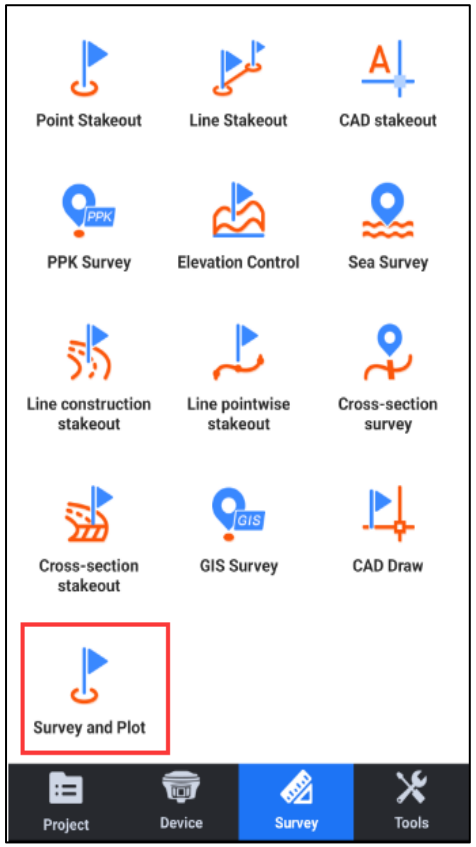
SOUTH
Target your success

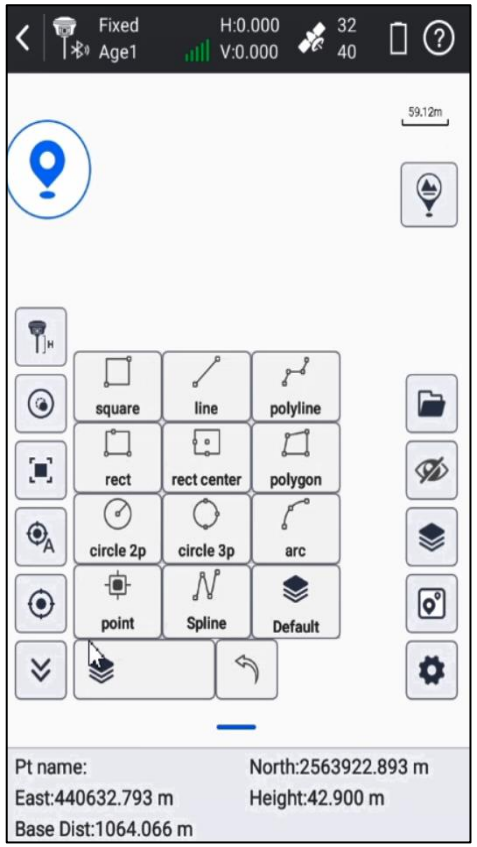
Graphic&CAD-CAD Draw-Draw CAD Anywhere Any Time (Video)

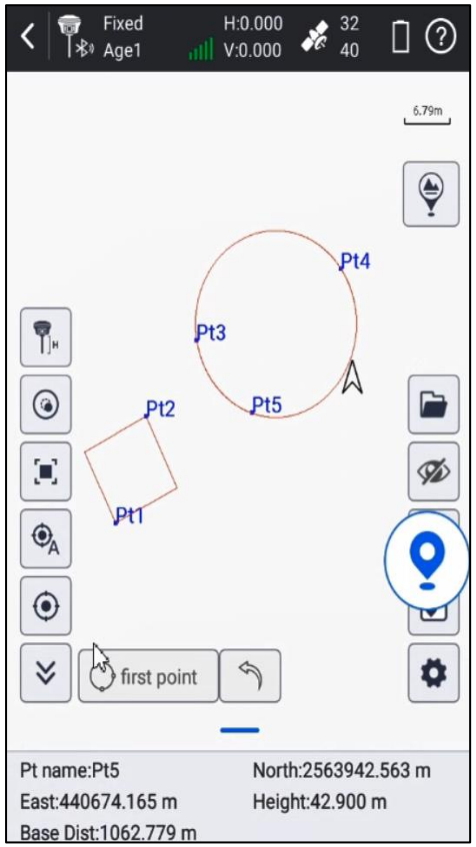


Graphic&CAD-Survey and Plot-Makes Survey Easier

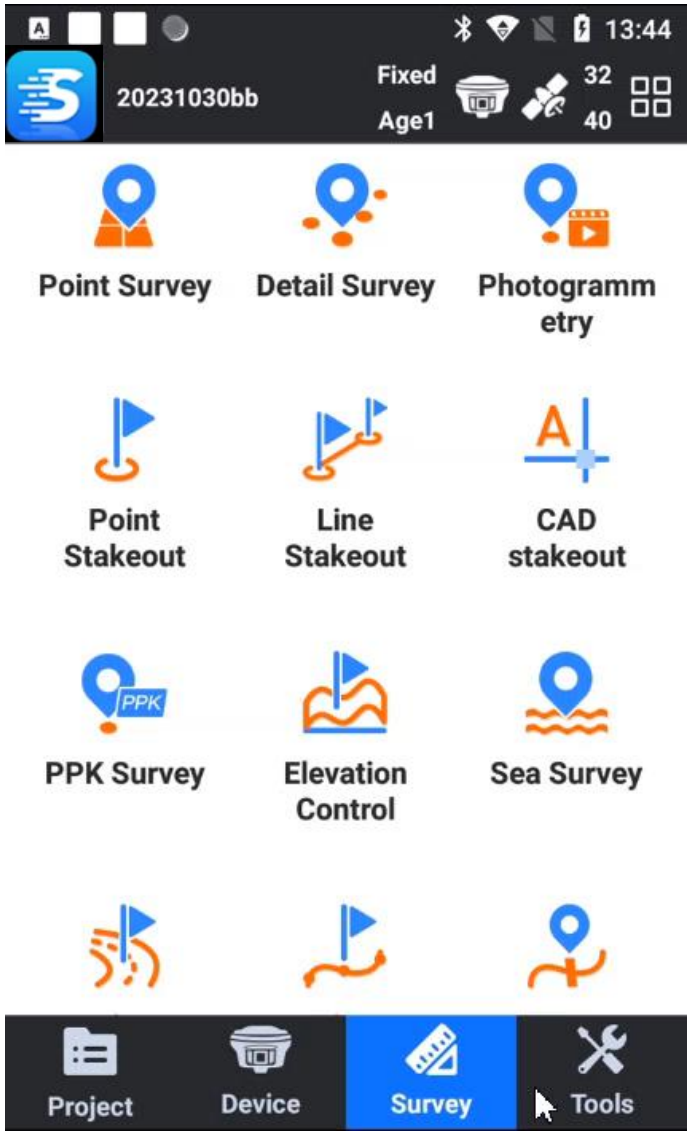
- Surveyors can collect coordinates and draw the targets at the same time, no need to draw sketch on paper.





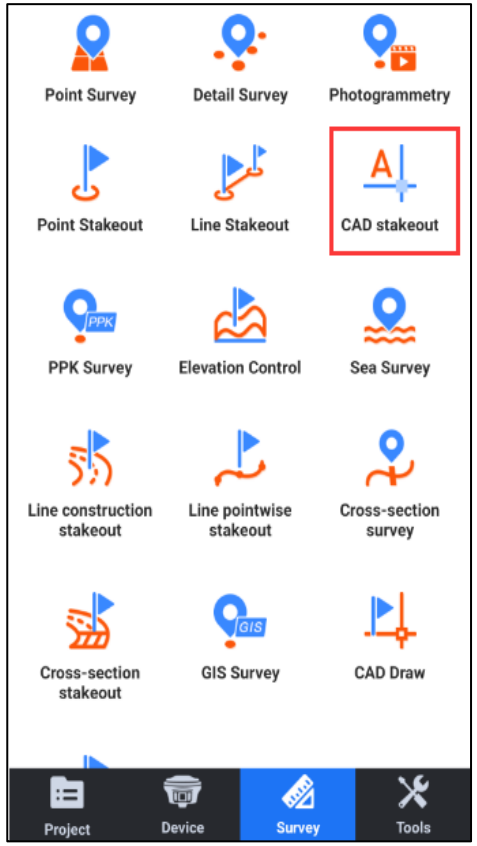


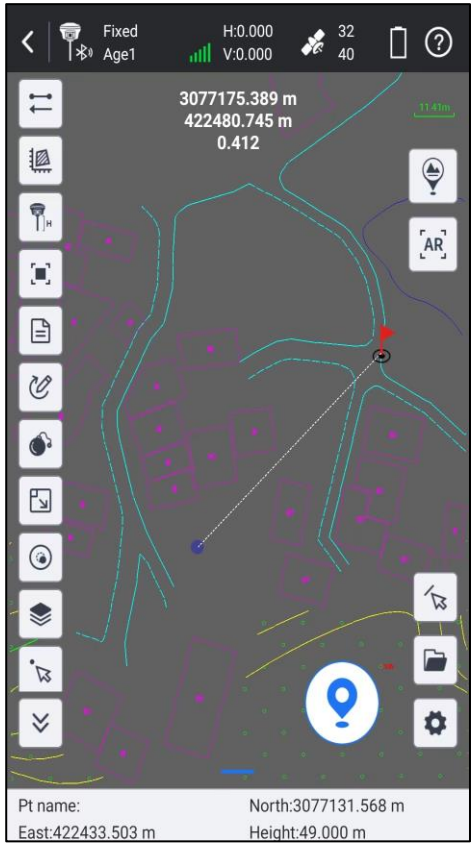
Graphic&CAD-Survey and Plot-Makes Survey Easier (Video)

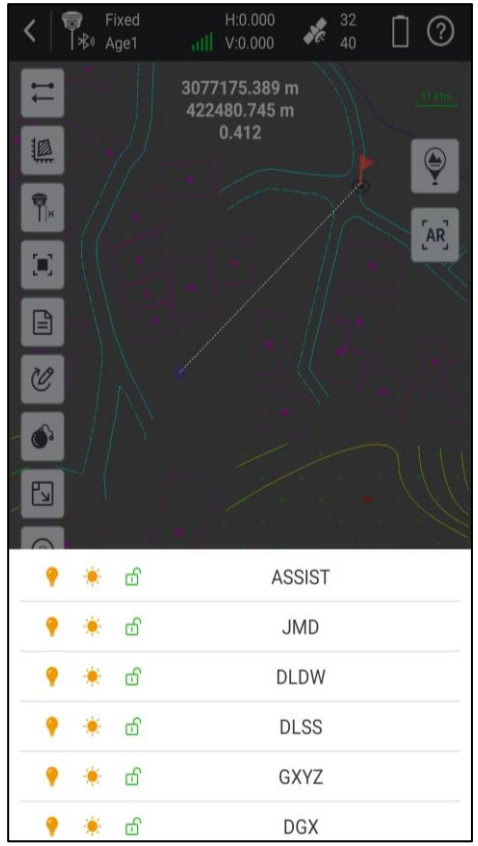


Graphic&CAD-CAD Stakeout-Improve efficiency

- Stakeout on loaded CAD file directly, no need to covert CAD to targets 'coordinates.

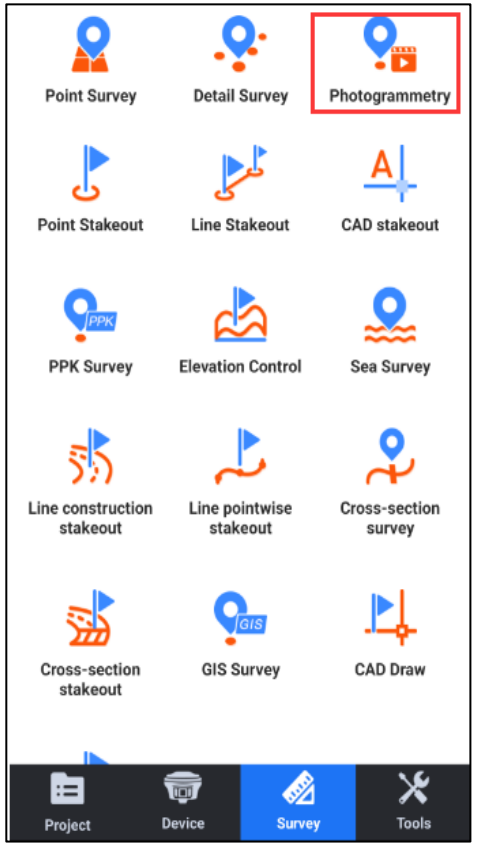


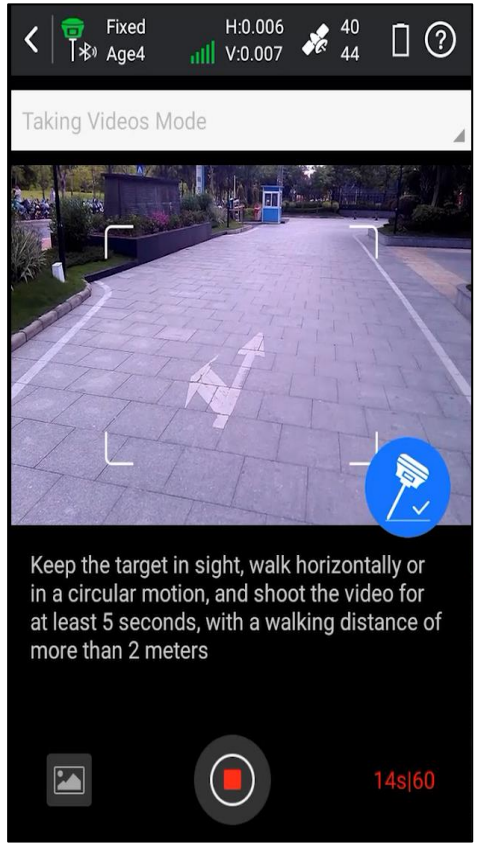


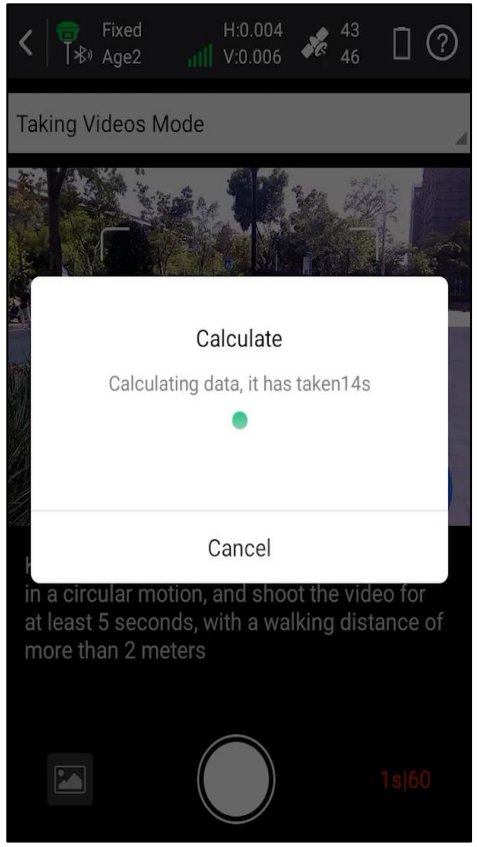


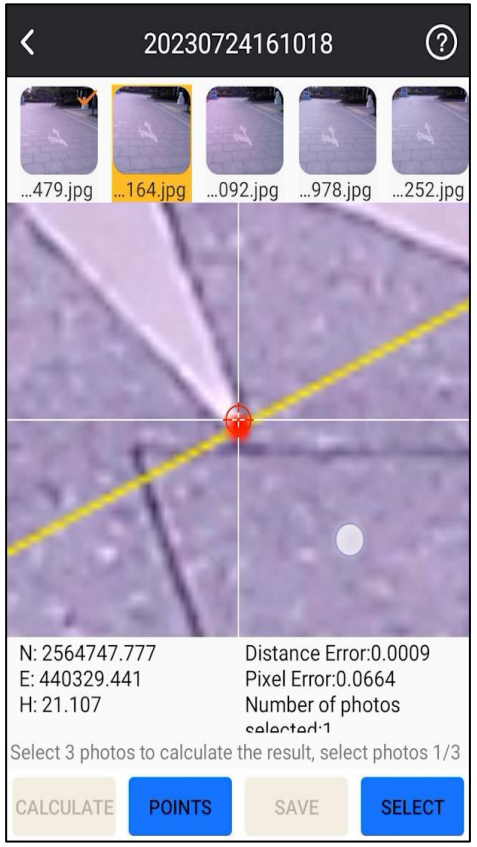
Camera Stream Usage-Photogrammetry-Makes Work Faster and Safer

- By taking photos or videos and processing, customers can survey areas where cannot be reached, cannot get fixed, or too dangerous.

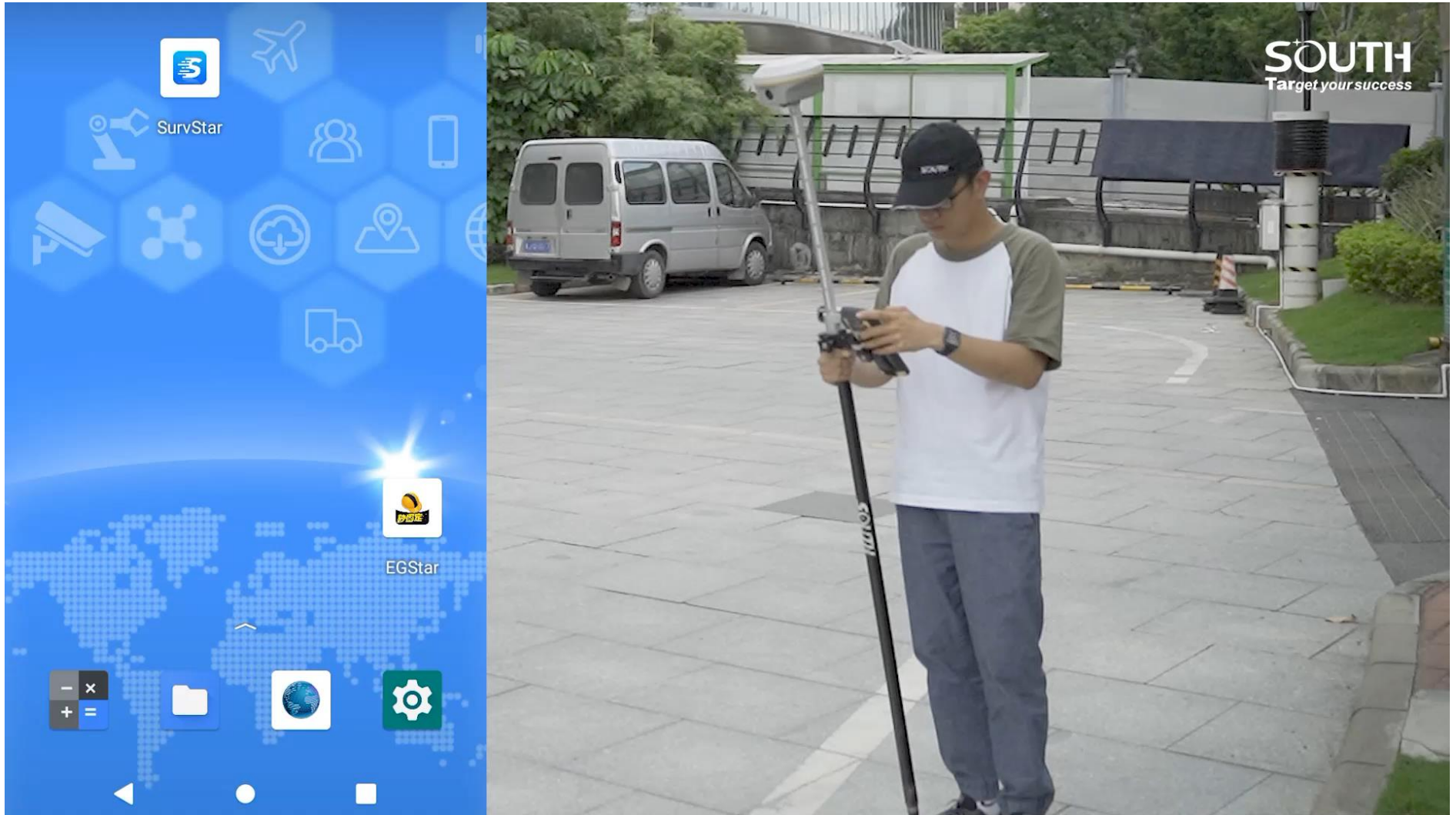








Camera Stream Usage-Photogrammetry-Makes Work Faster and Safer (video)

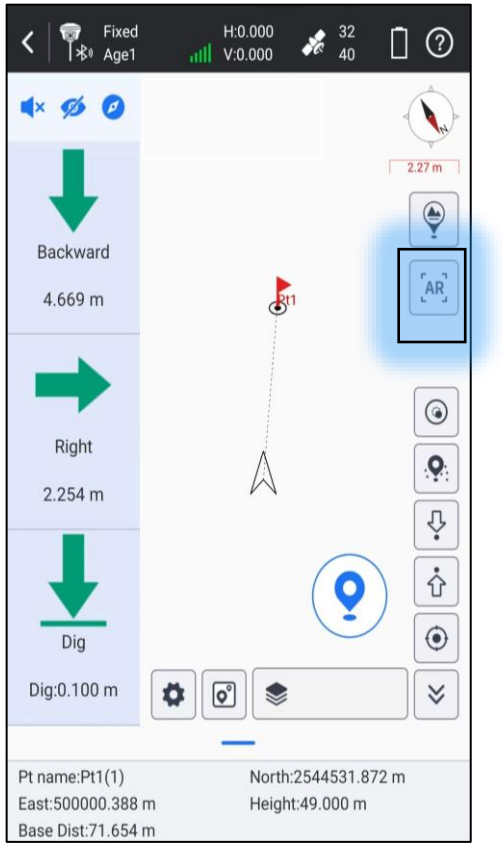


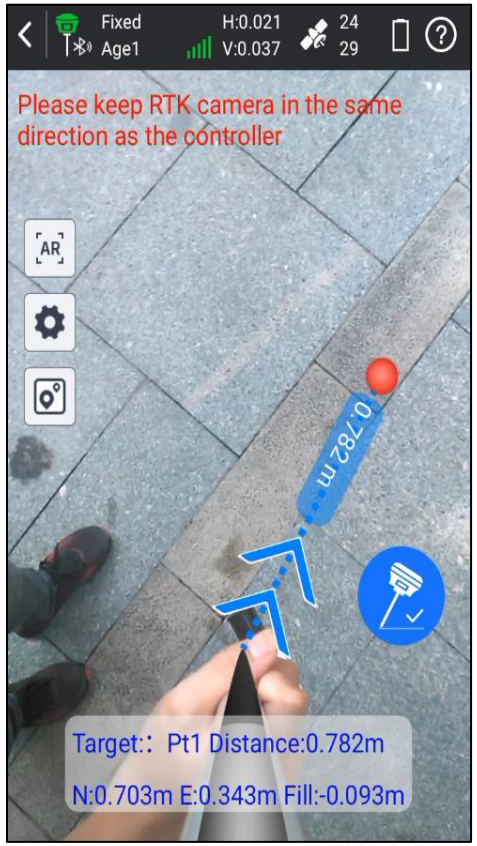
Camera Stream Usage-Photogrammetry-Makes Work Faster and Safer

- Photos can also be used for 3D modeling and complement for UAV aerial survey.

Camera Stream Usage-AR Point Stakeout-Easier to find target, improve efficiency

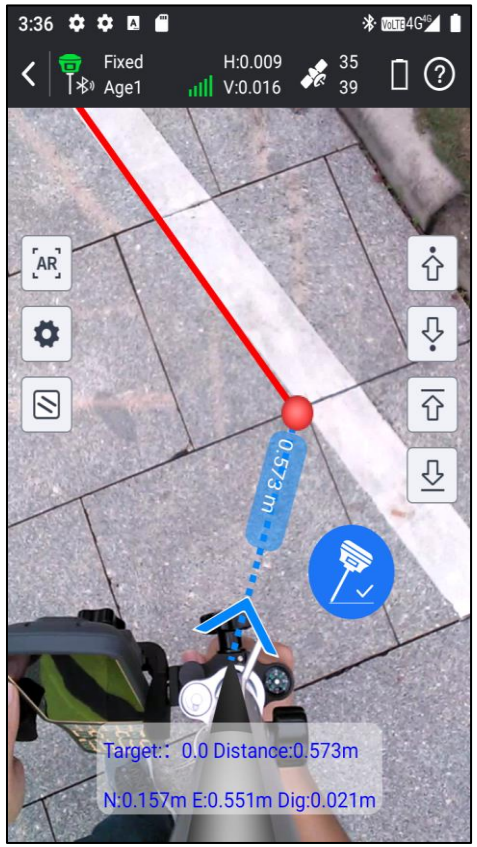
- One button to enable AR stakeout and use live view stream from bottom camera of receiver.

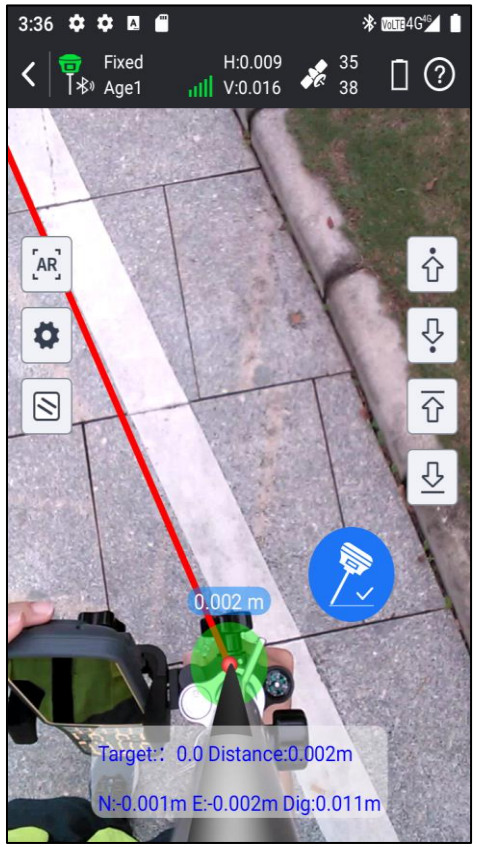




Camera Stream Usage-AR Line Stakeout-Easier to find target, improve efficiency

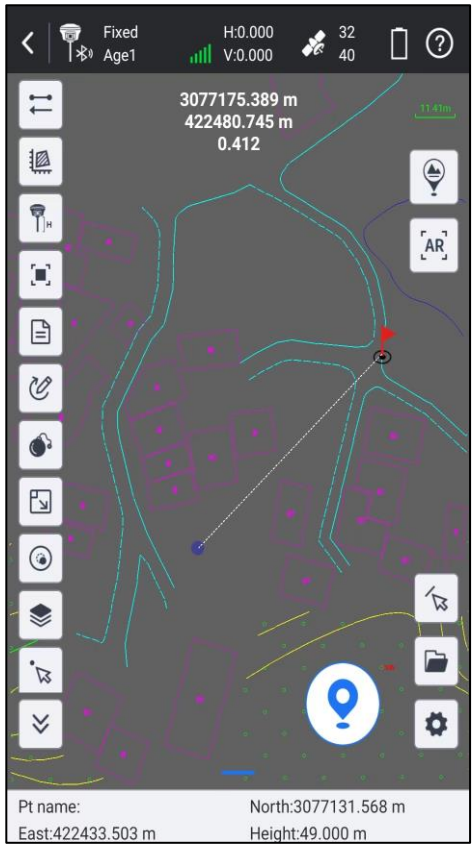
- One button to enable AR stakeout and use live view stream from bottom camera of receiver.

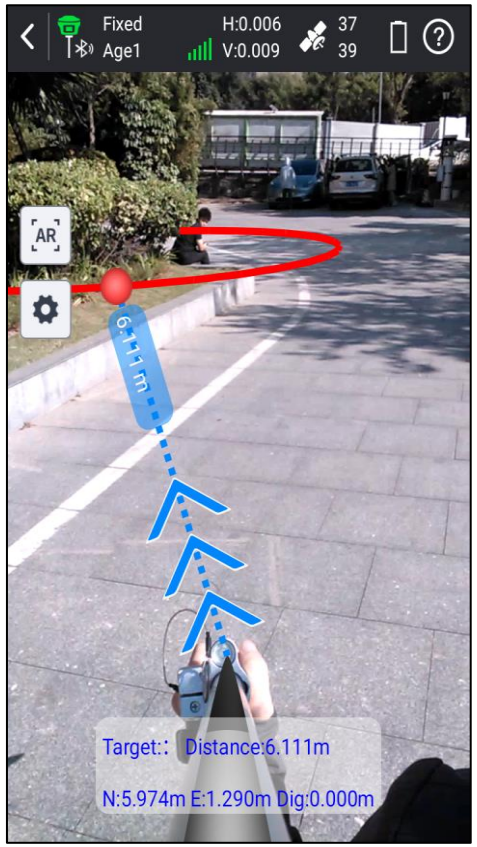




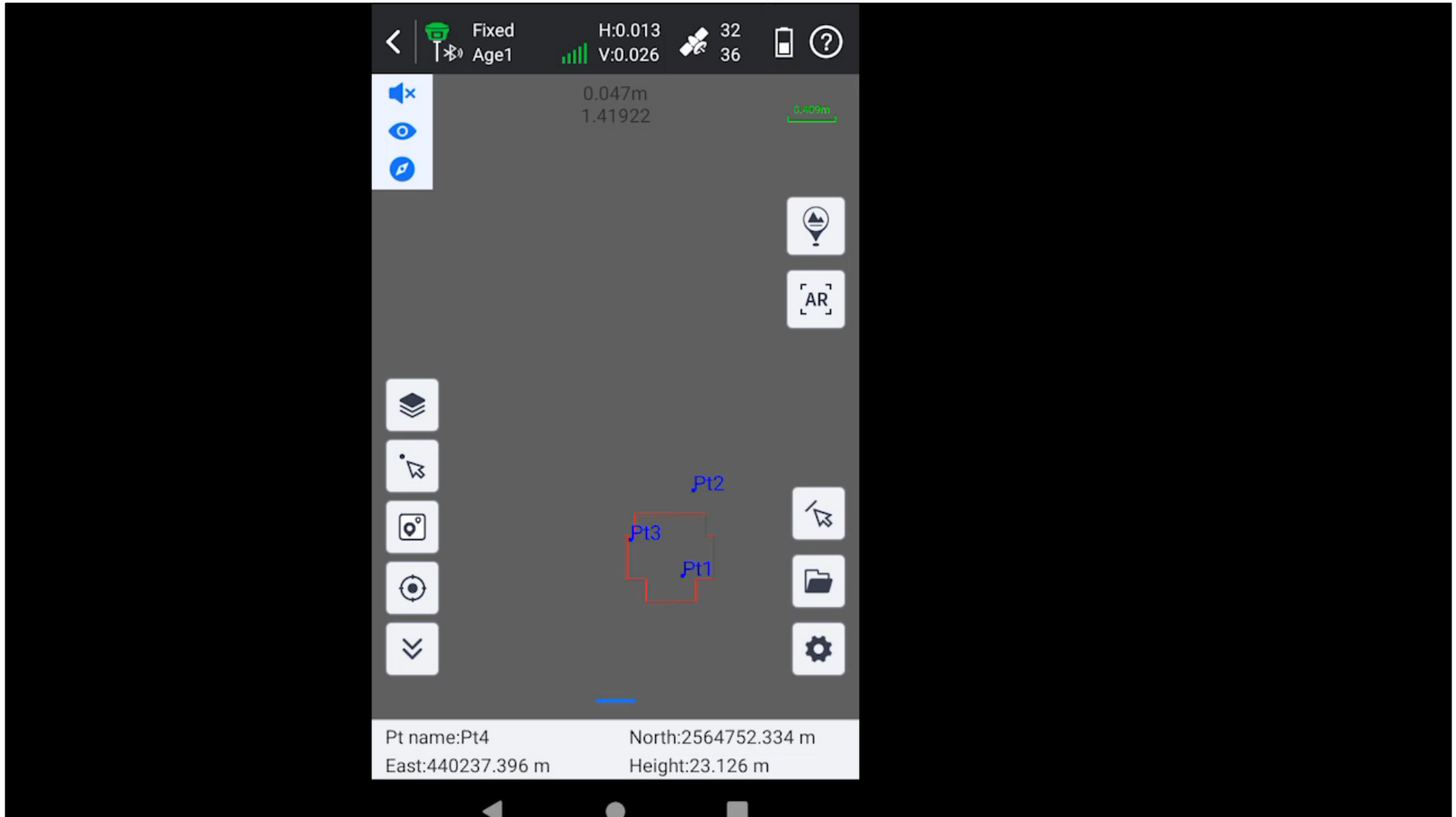
Camera Stream Usage-AR CAD Stakeout-Easier to find target, improve efficiency

- One button to enable AR stakeout and use live view stream from bottom camera of receiver.



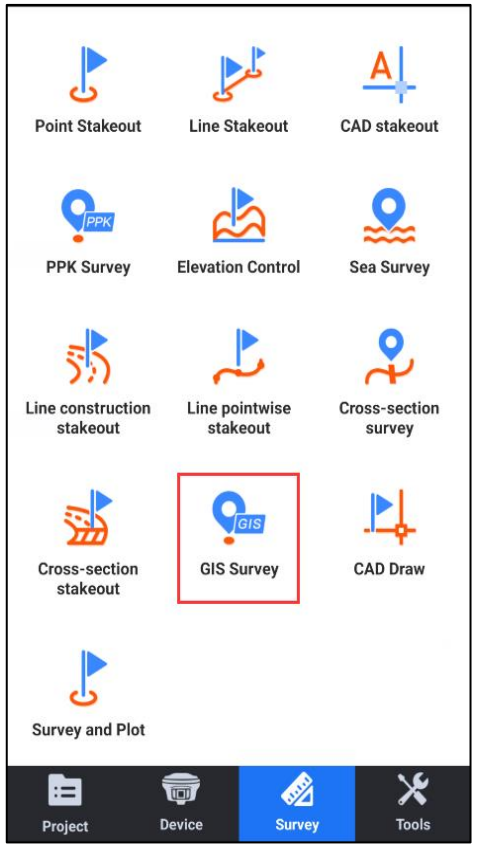


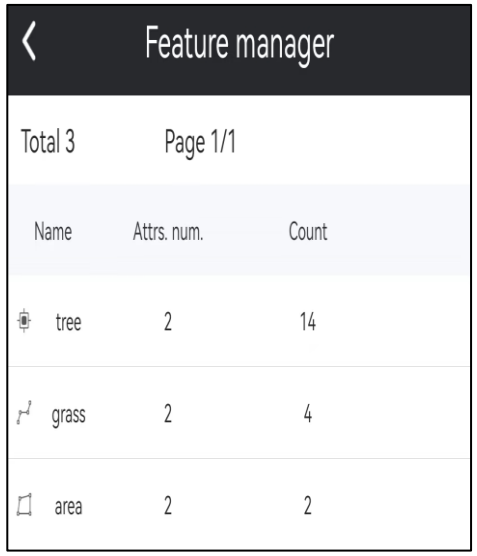
Camera Stream Usage-AR Stakeout-Easier to find target, improve efficiency (video)



Crossover Applications-GIS Survey-More scenarios help save money

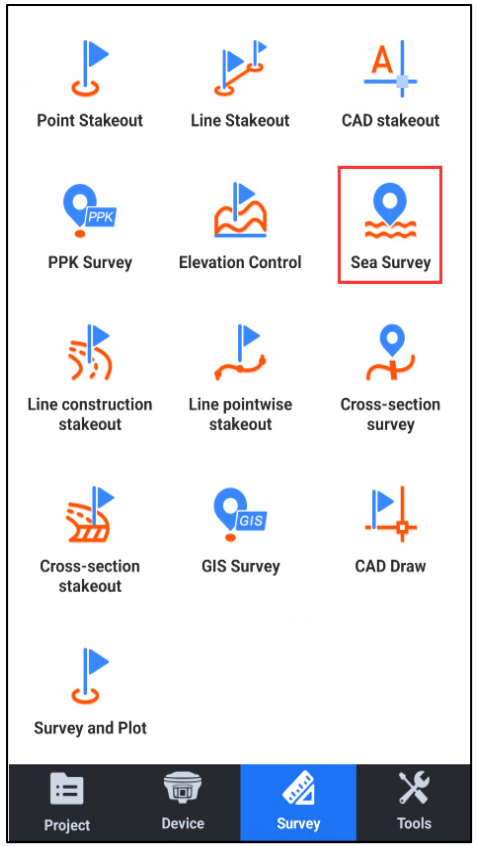
- Crossover with Tablet for GIS Survey.

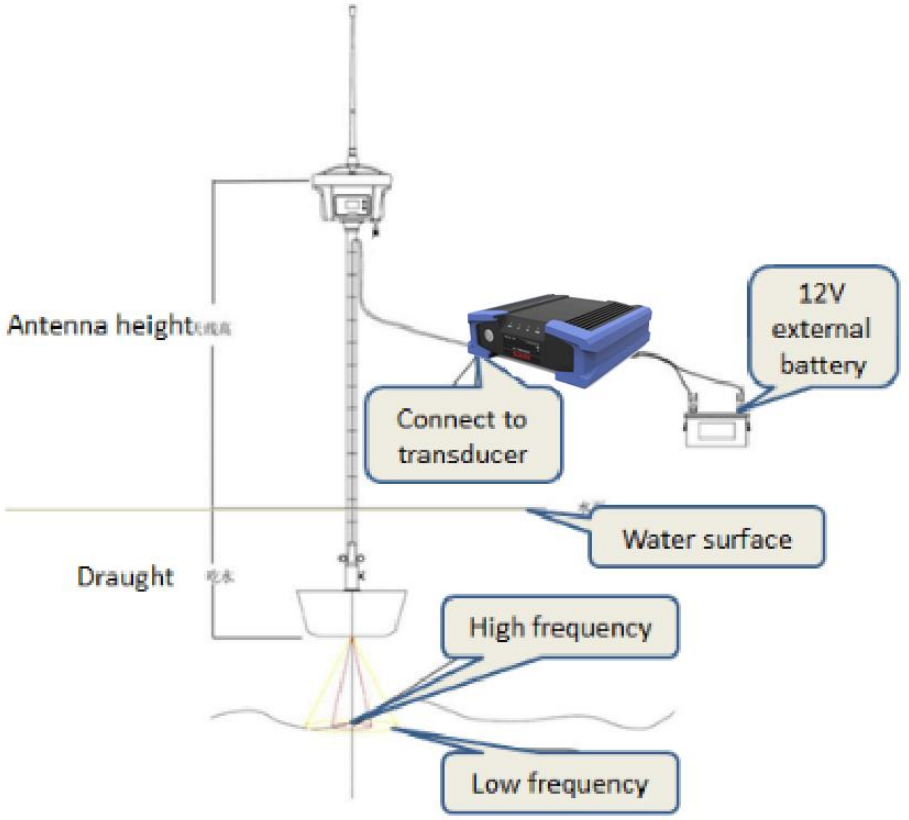




Crossover Applications-Sea Survey-More scenarios help save money

- Crossover with Echosounder for Sea Survey. (BT connecting to RTK and WIFI connecting to Echosounder)





	A	B	C	D	E	F	G
1	Pt1	2544886.944	397473.9	41.94			
2	Pt2	2544887.027	397473.6132	41.94			
3	Pt3	2544886.939	397473.9361	41.94			
4	Pt4	2544886.945	397473.358	41.94			
5	Pt5	2544887.326	397473.6716	42.04			
6	Pt6	2544887.035	397473.5791	41.94			
7	Pt7	2544887.016	397473.6442	41.94			
8	Pt8	2544887.248	397473.8744	41.9			
9	Pt9	2544887.034	397473.5699	42.01			
10	Pt10	2544887.437	397473.7281	42.01			
11	Pt11	2544887.122	397473.5904	41.91			
12	Pt12	2544887.097	397473.9827	42.01			
13	Pt13	2544887.249	397473.7502	41.91			
14	Pt14	2544887.415	397473.718	41.93			

Point name

North

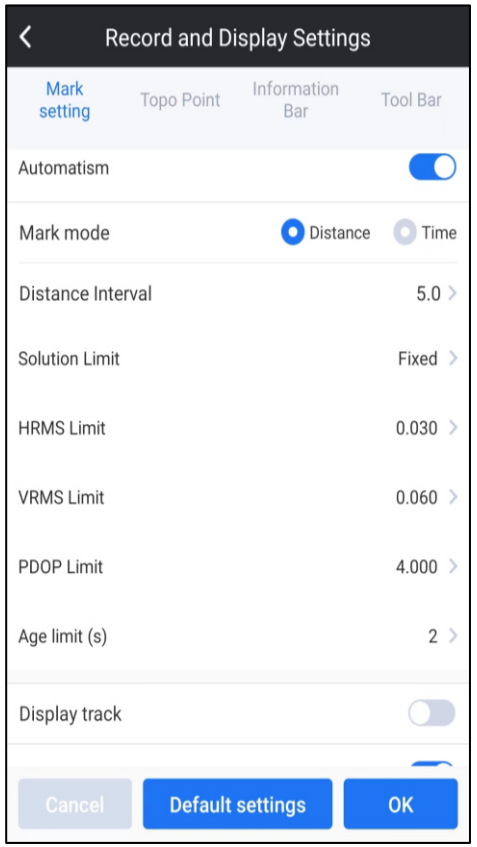
Easting

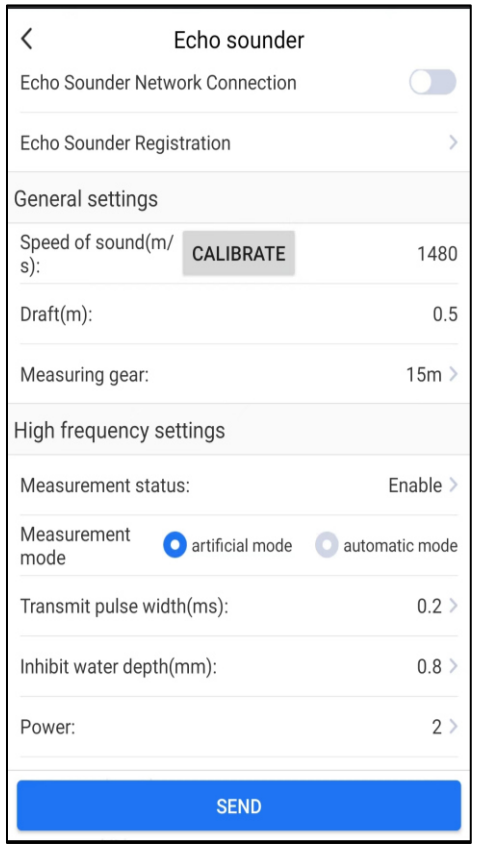
Water bottom elevation

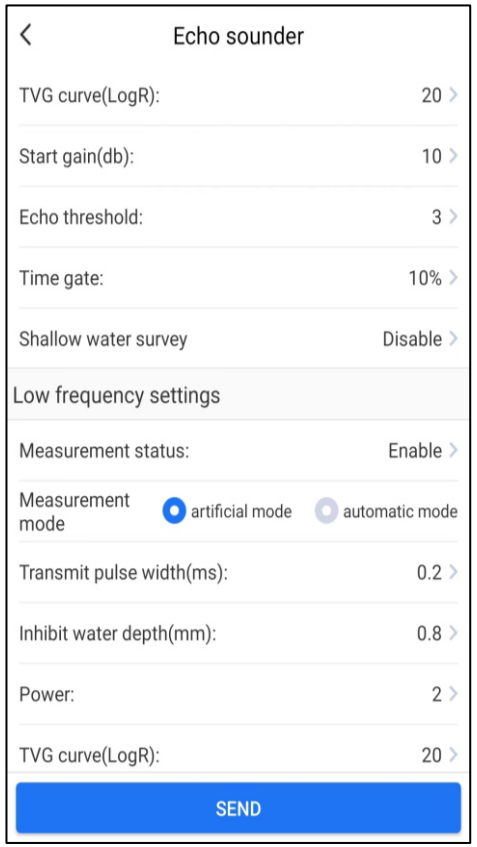
Echosounder SDE-19S

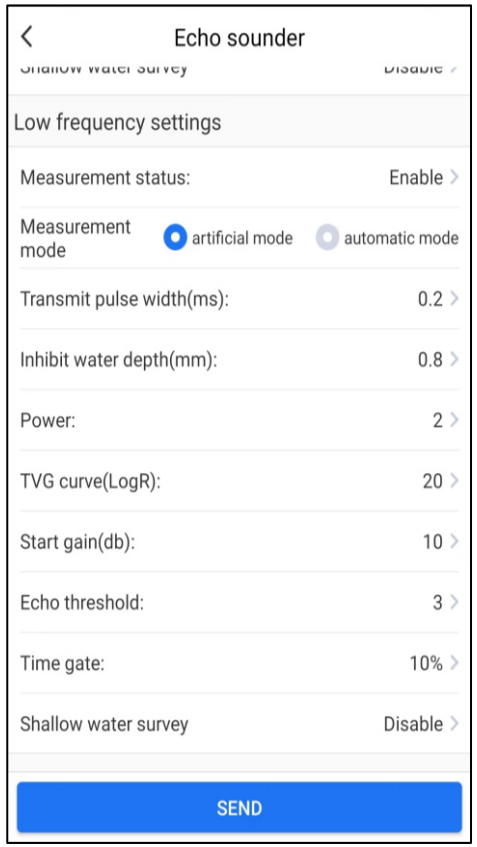
Crossover Applications-Sea Survey-More scenarios help save money

- Echosounder Settings in survStar









Crossover Applications-Total Station-More scenarios help save money

- Crossover with TS for engineering survey.

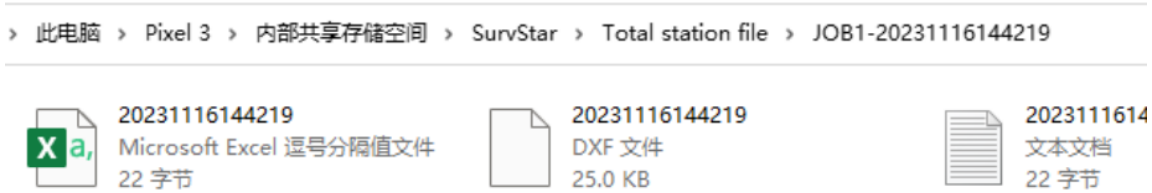
❑Current Status: BT connection, acquire angle and distance values, transfer files;

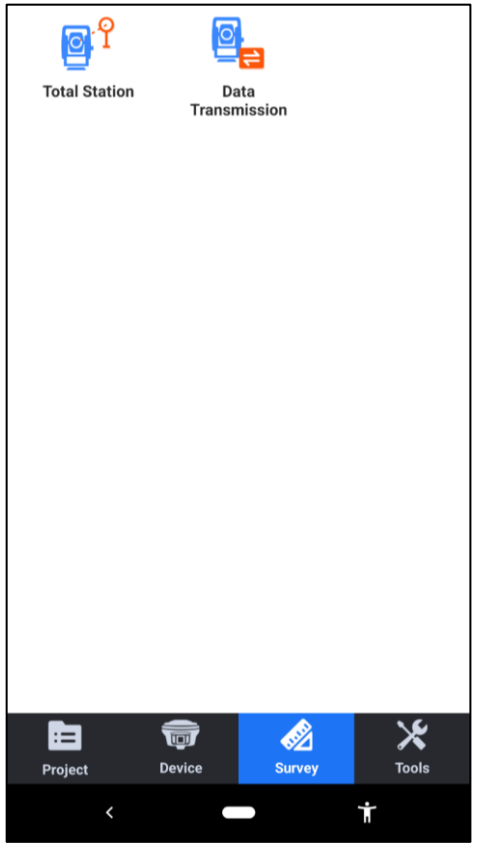
❑Following Focus: Set Station and Back sight, add survey program;

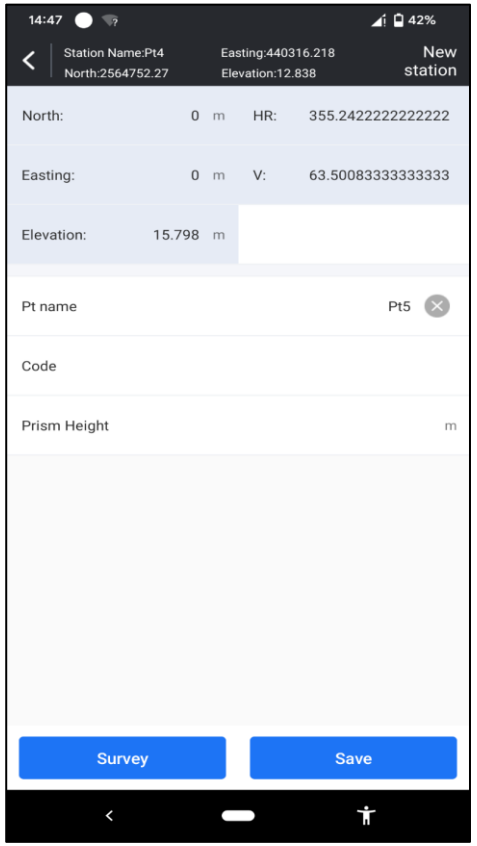
❑Final Goal: TS and GPS seamless switching survey.

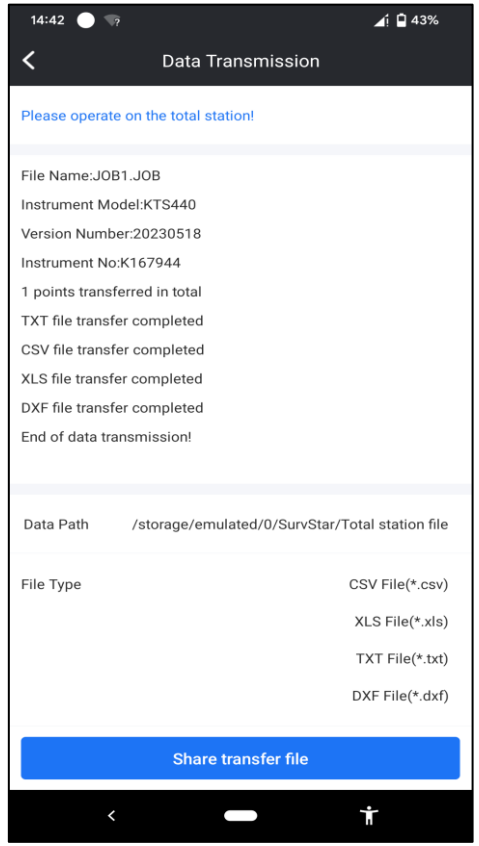
Crossover Applications-Total Station-More scenarios help save money

- Total Station UI in survStar.









Crossover Applications-Total Station-More scenarios help save money

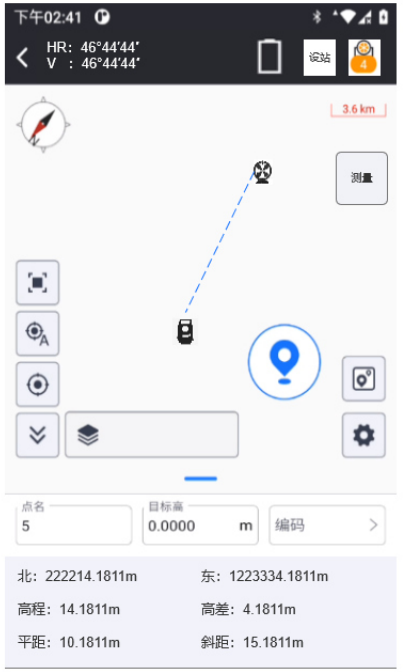
- Total Station UI in survStar.

已知点建站-后视点

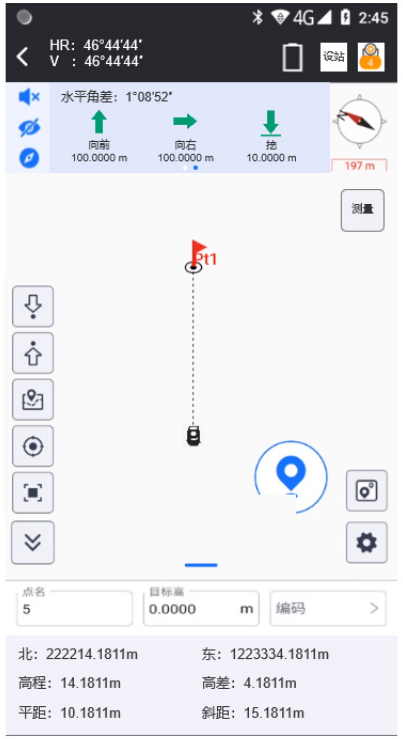
已知点建站-方位角

设站成功

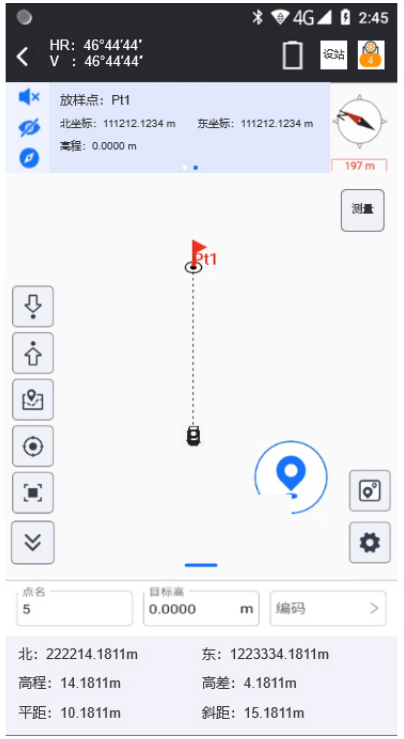
点测量



点放样

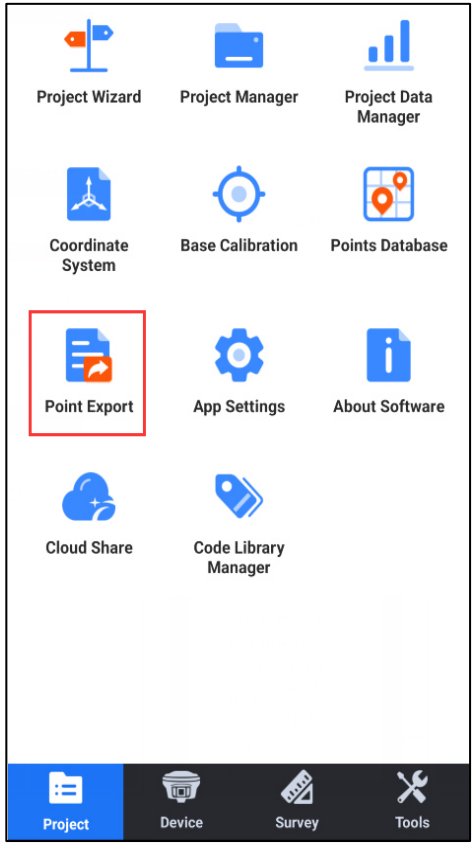


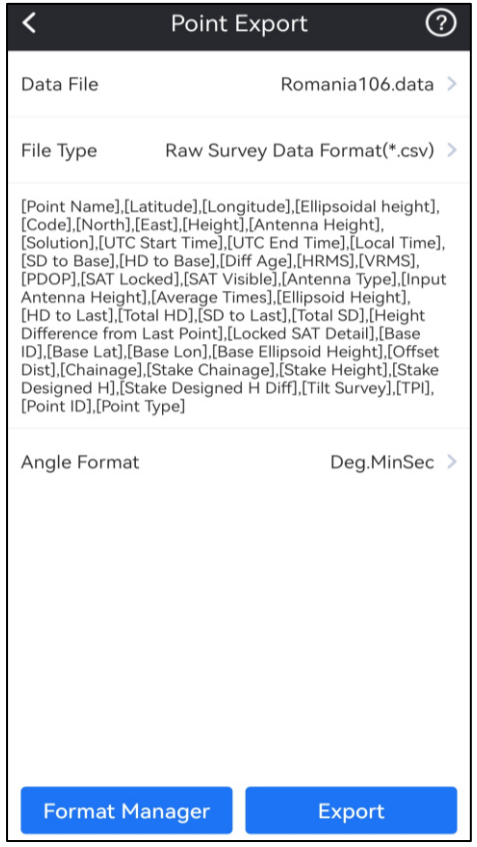
点放样

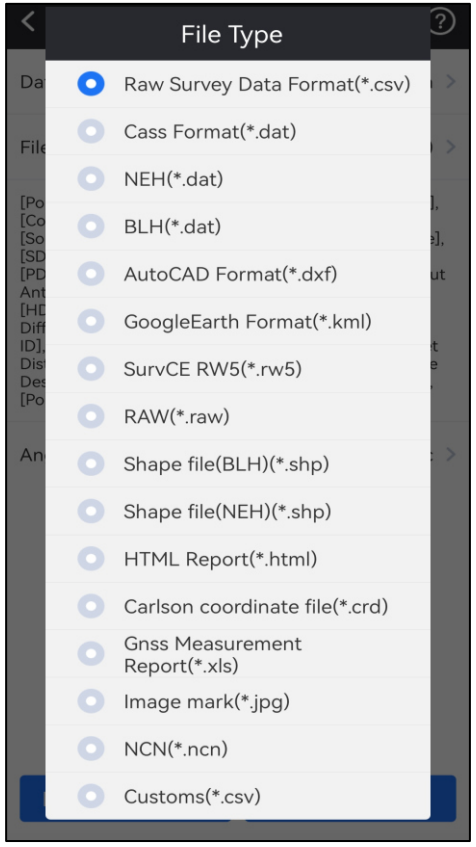


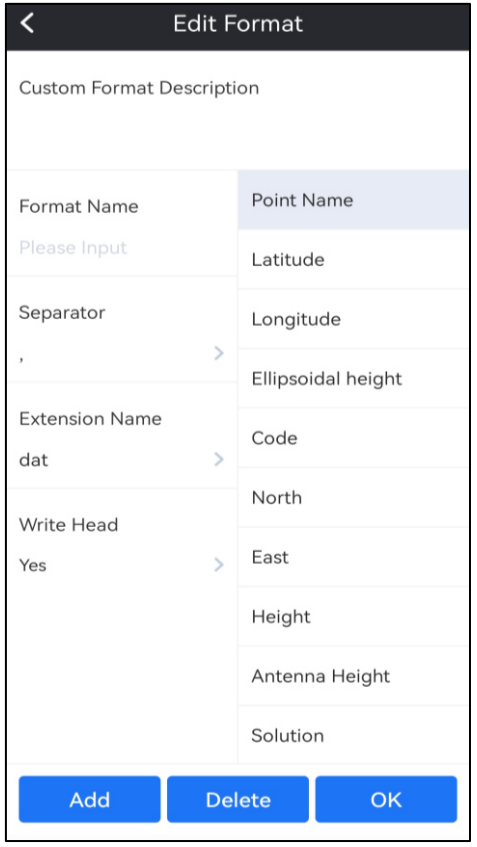
Data Management-Multi-Format Export-Take full advantage of Survey Result

- Common used formats and customized format export.



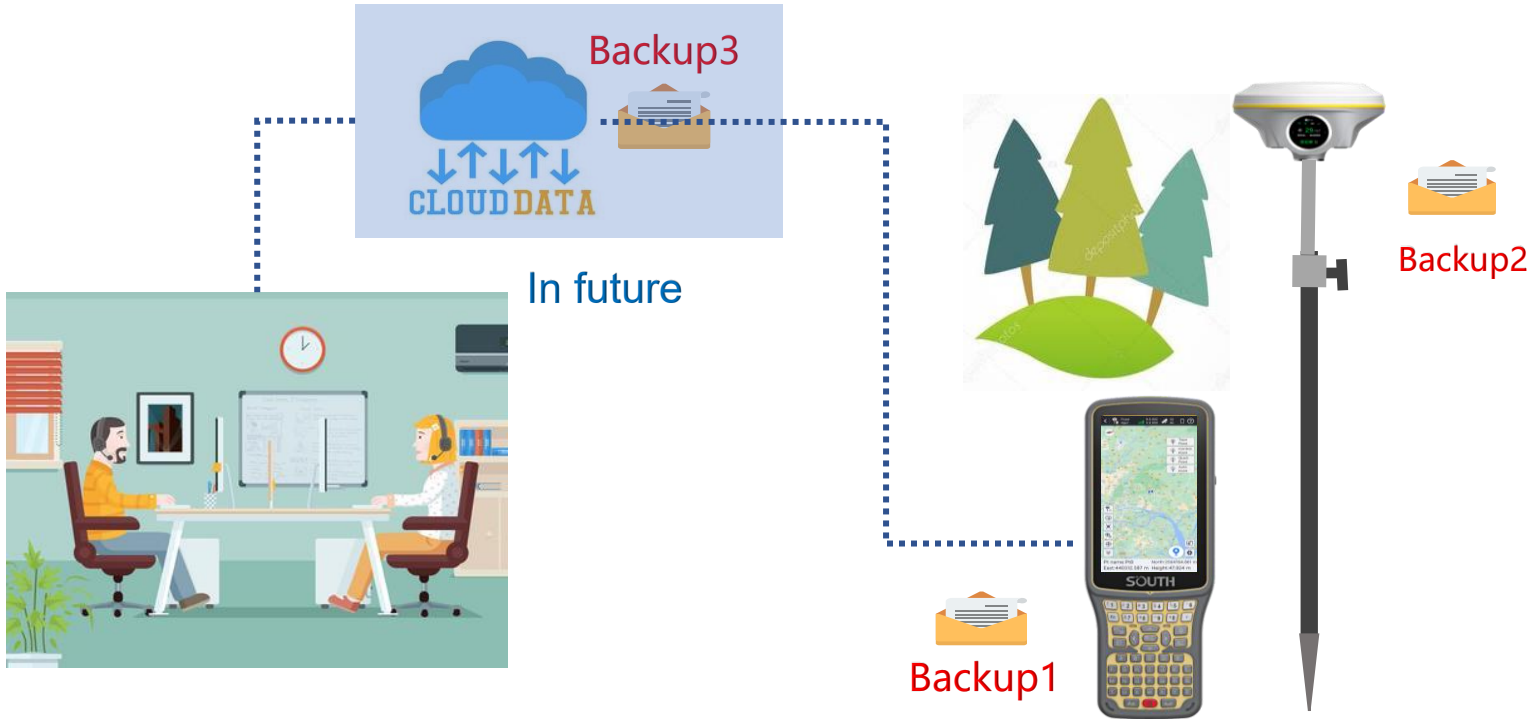


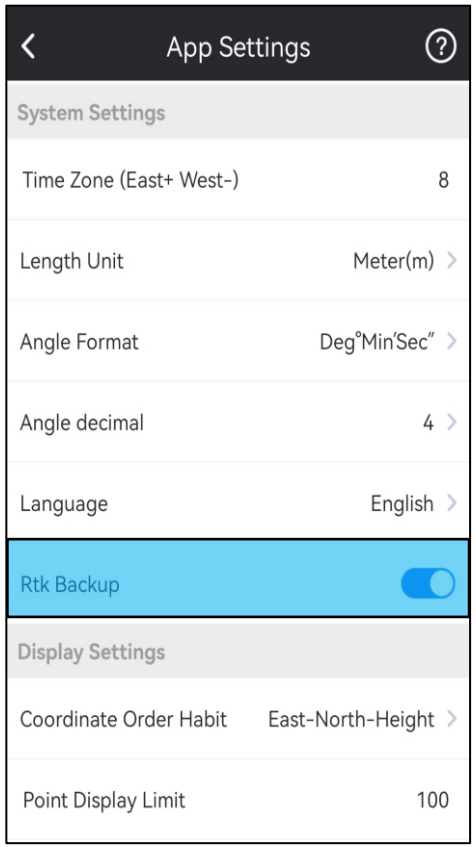




Data Management-Data Back-Up-Secure data and avoid loss

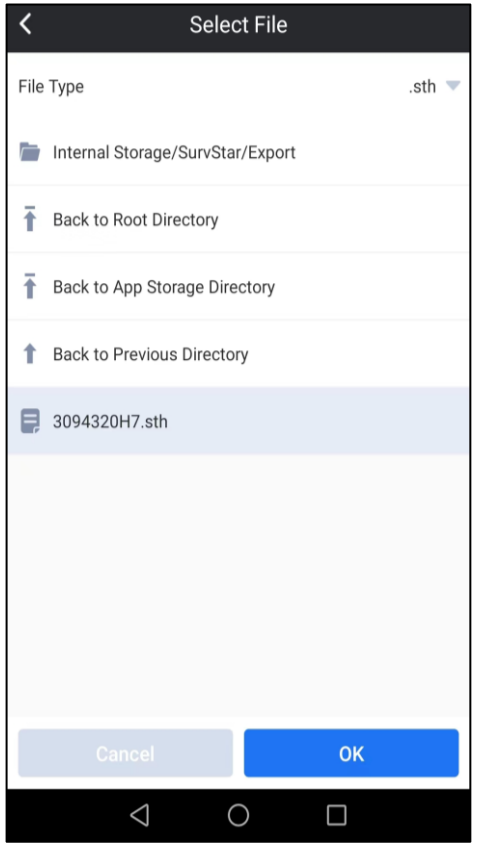
- After enabling RTK Backup, survey data in survStar will be backed up in receiver internal memory.





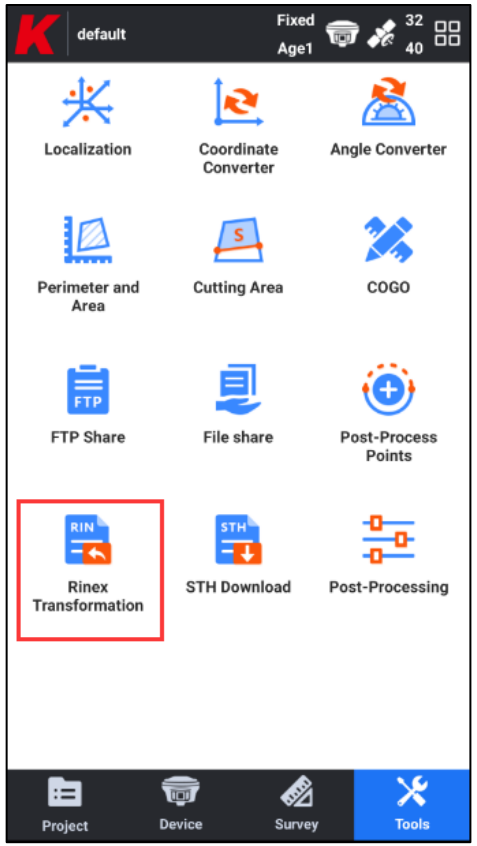
Data Management-STH Download-Easier to get static data, improve efficiency

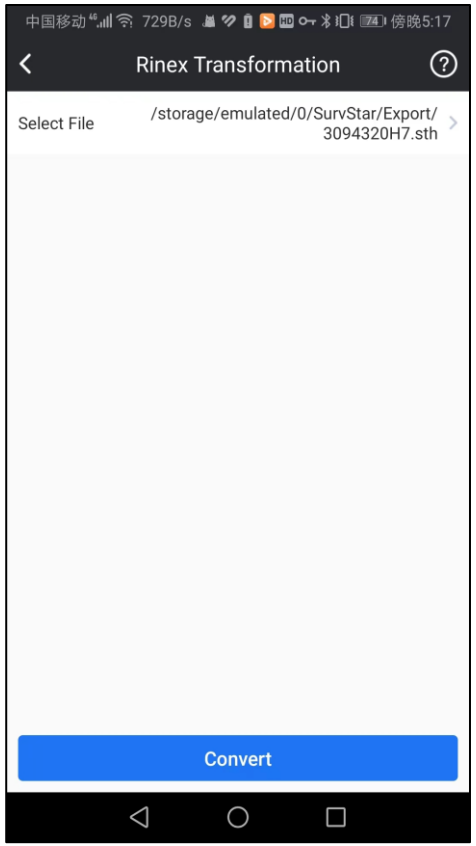
- Users can get static data from receiver to survStar (receiver WIFI) and share the data, no need to go back to data center to download.

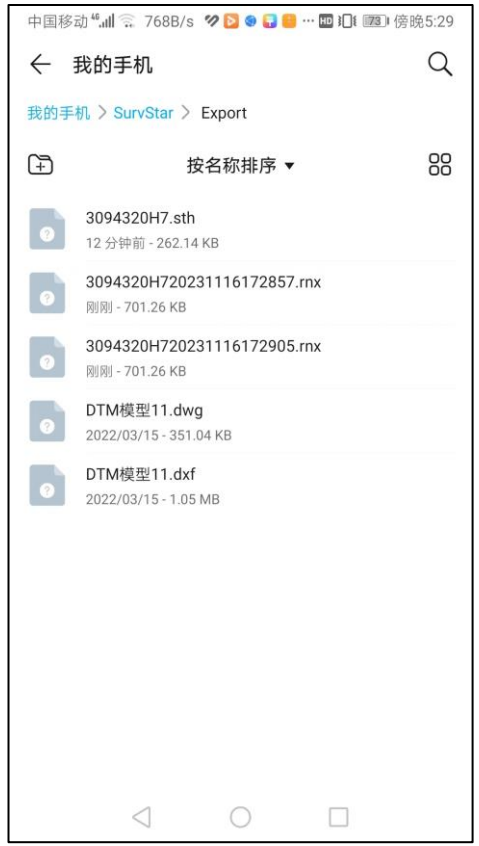


Data Management-Rinex Transformation-Easier to convert Rinex, improve efficiency

- Users can convert Rinex in field, no need PC and SGO converting tool.

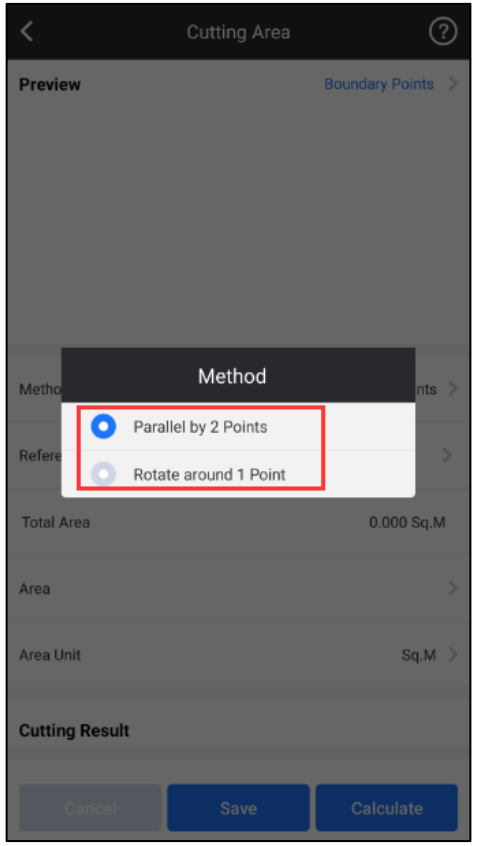


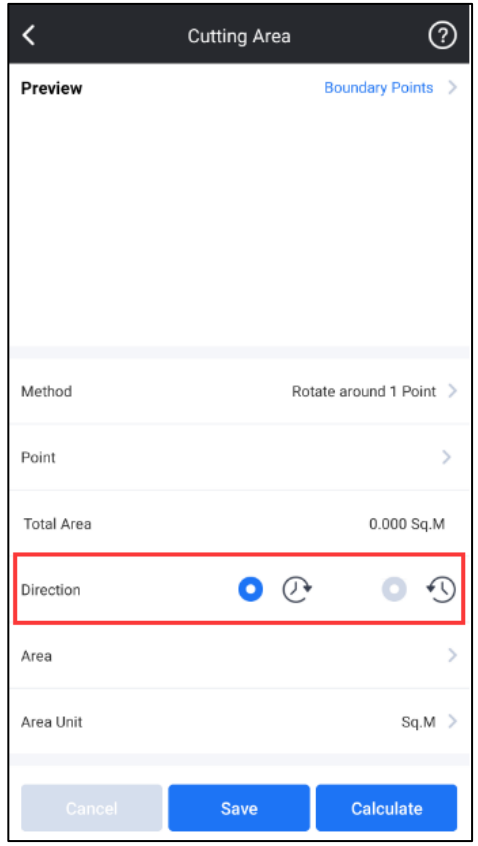


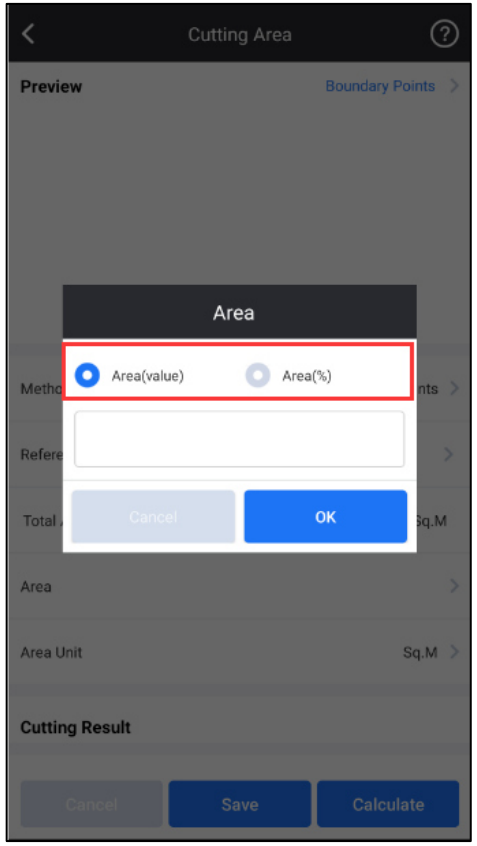


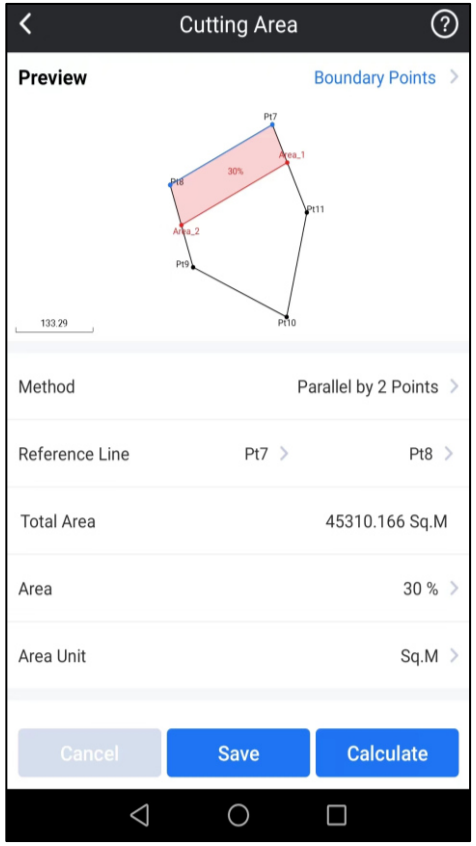
Customized Functions-Cutting Area (From African customer)-Makes Confirmation of land right easier

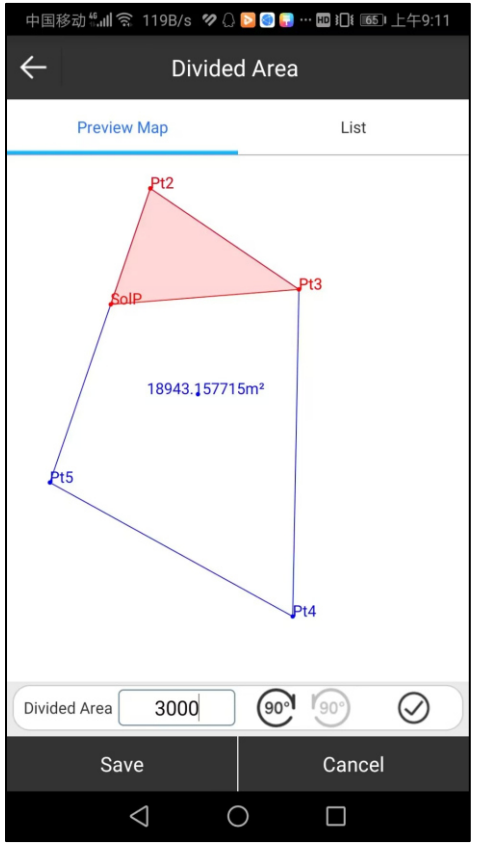
- Smart Calculation and Cutting makes job easier;
- 6 cutting ways VS 2 cuttings ways in survX, more flexible.



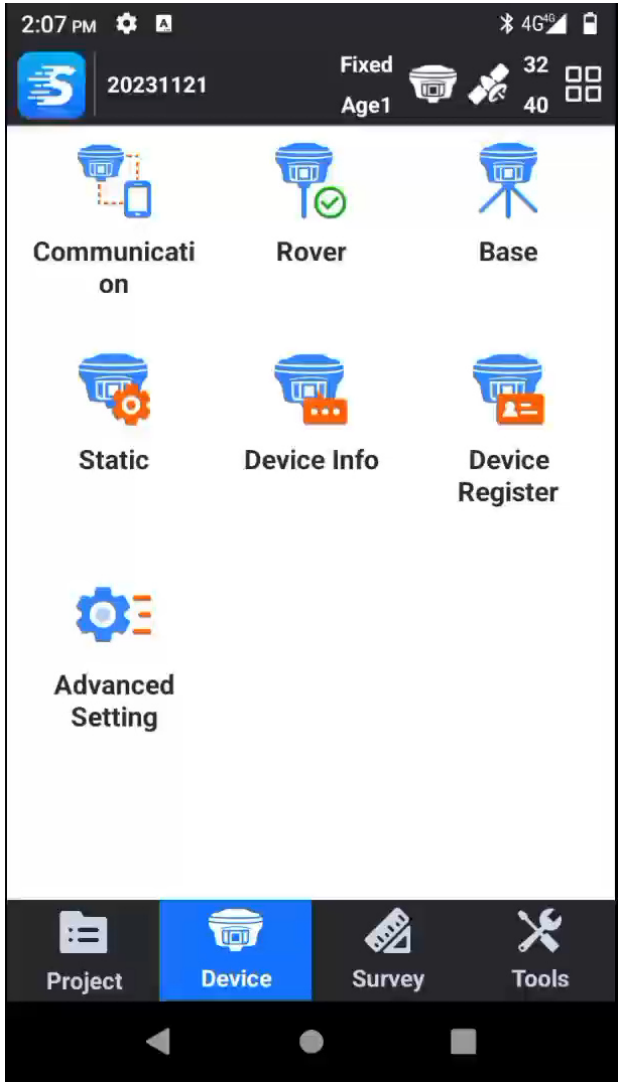






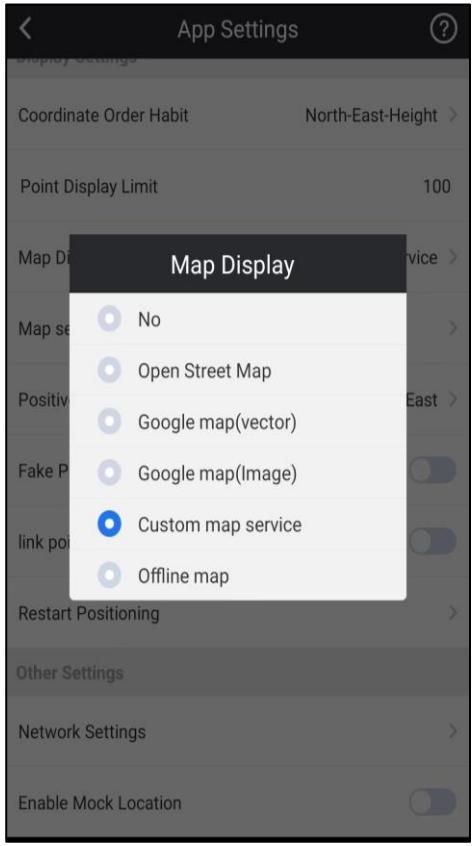


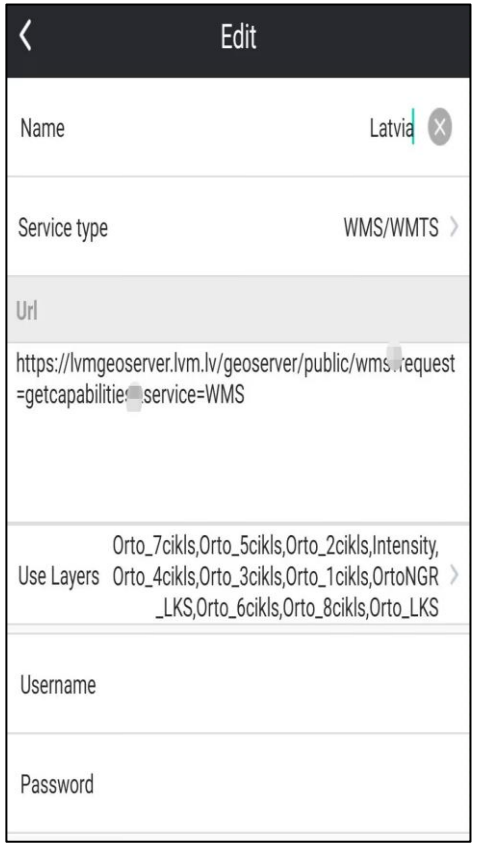
Customized Functions-Cutting Area (From African customer)-Makes Confirmation of land right easier (video)

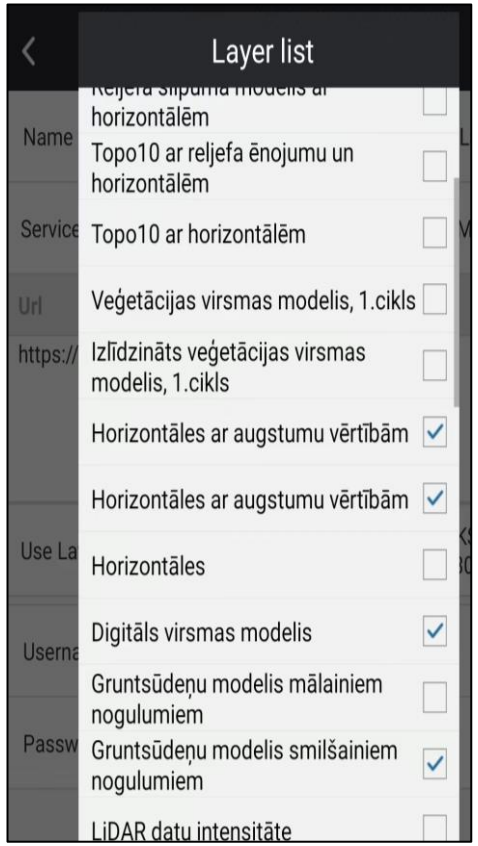


Customized Functions-WMS (From European customers)- Always use the latest version map, ensure accuracy of survey

- Access to customer’ s server to get the map he needs most.

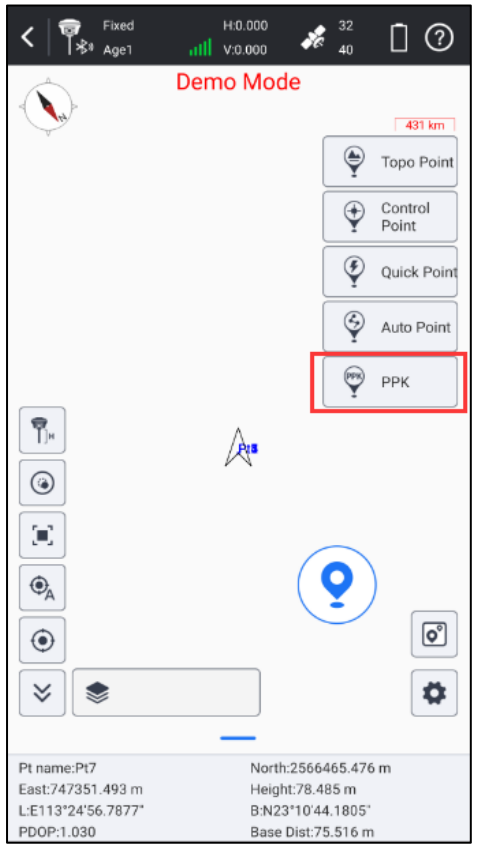


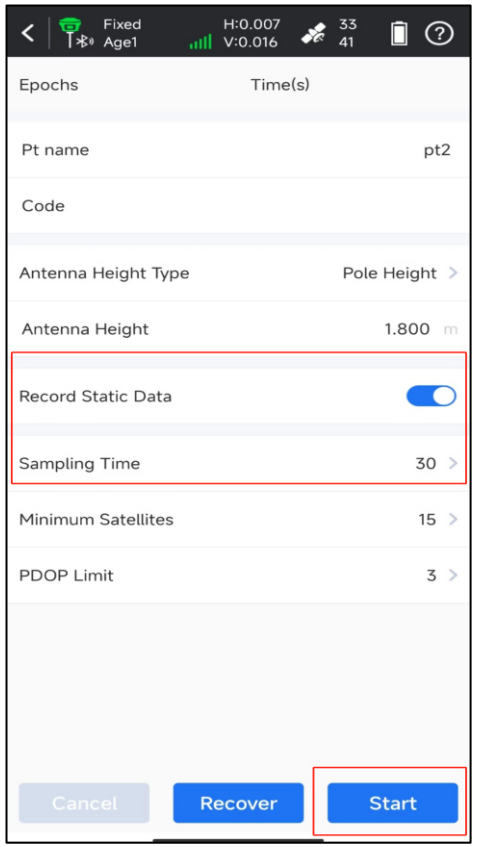


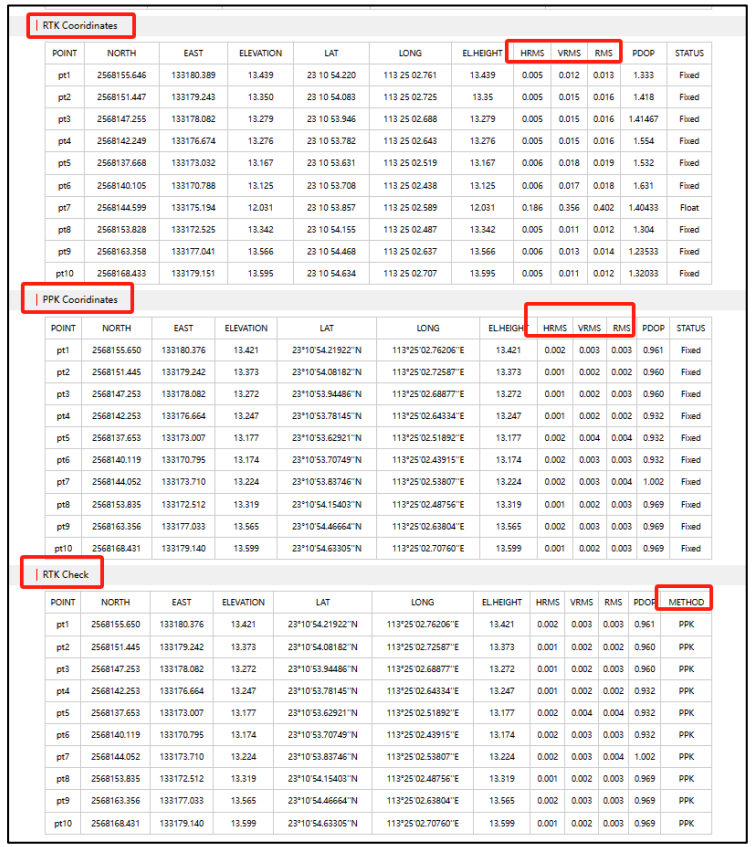


Customized Functions-PPK RTK Check (From Kolida\Ruide\Sanding brand customers)-Guarantee best accuracy

- Collect PPK and RTK in survStar, process and check in SGO, use the results with the best accuracy.

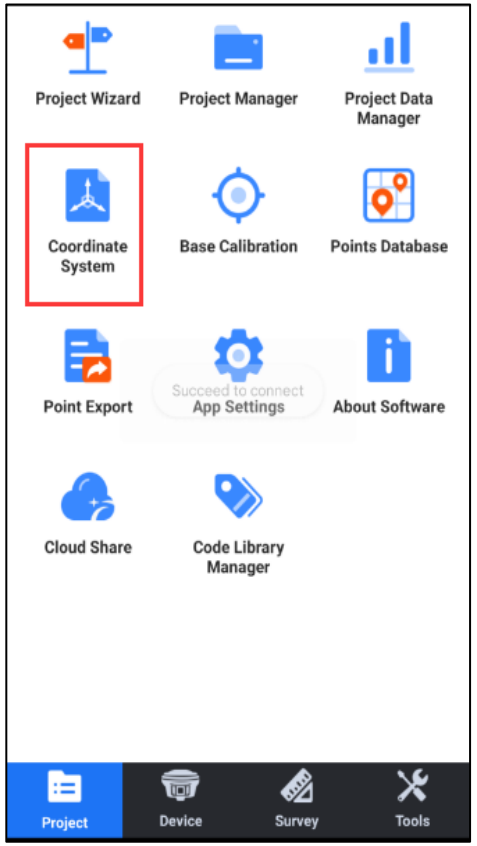


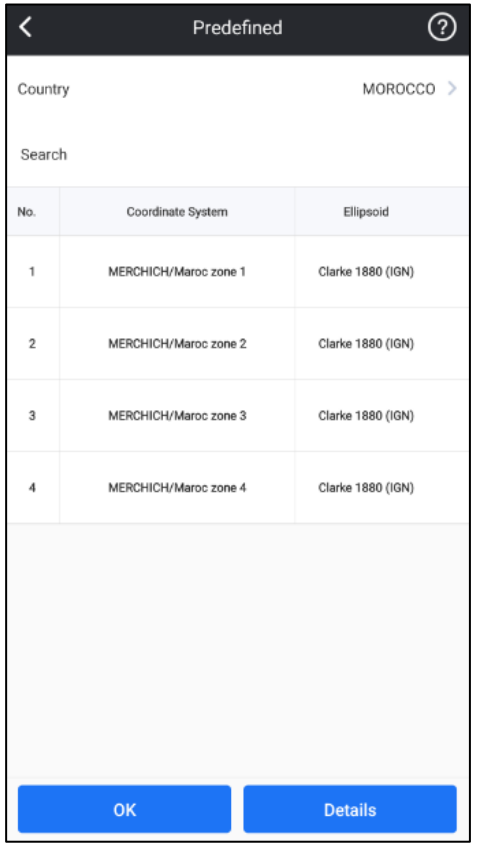




Customized Functions-Coordinate System (From Romania, Morocco, etc customers)-Improve efficiency and accuracy

- Predefined local coordinate system in survStar, no need to check and input parameters one by one.





SOUTH
Target your success

Customized Functions-Customer Satisfaction was and always will be our priority

- Whenever you have some good ideas, helpful suggestions and new market requirements for survStar,

  Don’ t hesitate to share with us.

New Features in Future (Continuous Evolution)

Better Compatibility- More possibility	One Button Operation- User Friendly	Signal Scan- Avoid hardwork in vain
Compatible with 3rd party controller for Photogrammetry and AR Stakeout	One button to config receiver and get fixed solution	Scan radio interference under current radio channel
Total Station practical programs	One button to locate base map	Scan SIM card network strength
Compatible with 3rd party app	One button to enable Ionosphere Algorithm	
Controller offline process Photogrammetry data	One button to switch WIFI AP\Client mode	
Mark Points during Visual Positioning	One button to record data log files for R&D to analyze	

Thank you