SurvStar 2024

Target Your Success
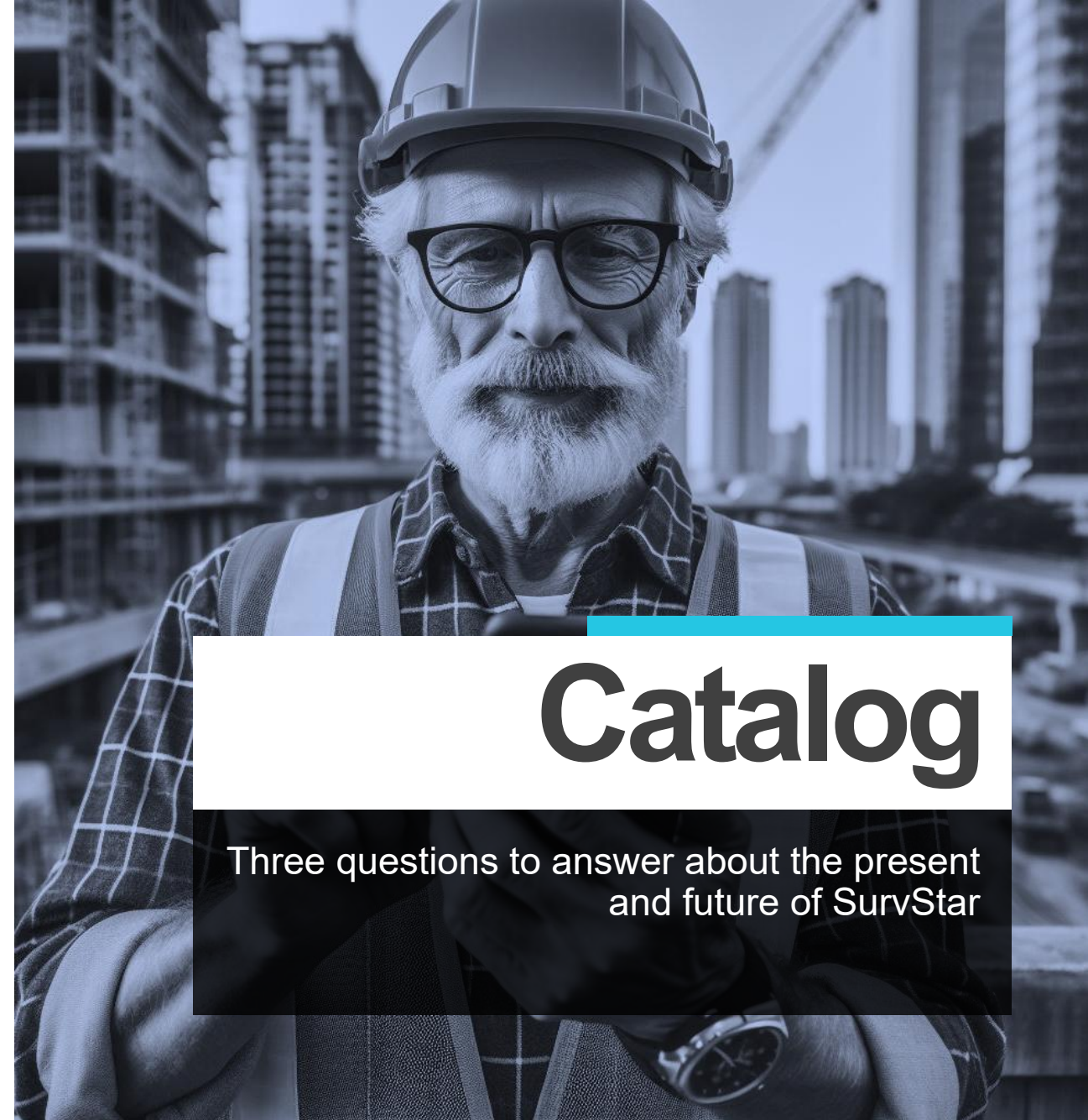
2024/4/2

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SurvStar

I. What comes to it?

II. What is coming to it?

III. What will come to it?

Catalog

Three questions to answer about the present and future of SurvStar
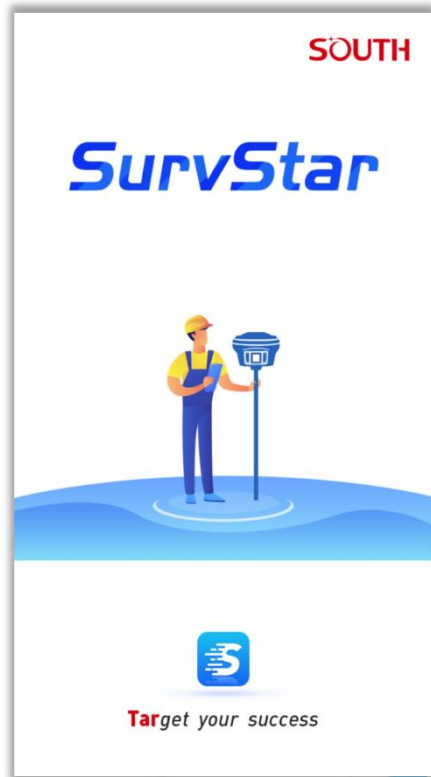
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1. Graphic & CAD

2. Visual Applications

3. Crossover Applications

4. Data Management

5. Customized Functions

Part 1
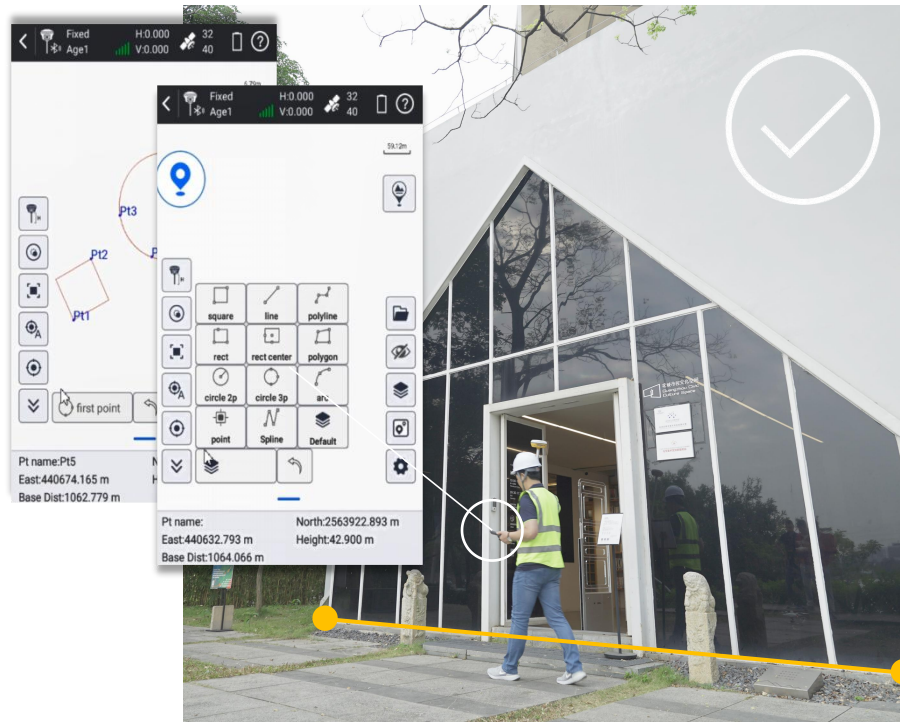
What Comes to SurvStar in this Version?

1. Graphic & CAD

☐ Survey and Plot

☐ CAD Draw

☐ CAD Stakeout

Graphic & CAD-Survey and Plot-Finish Ground Plan during Surveying
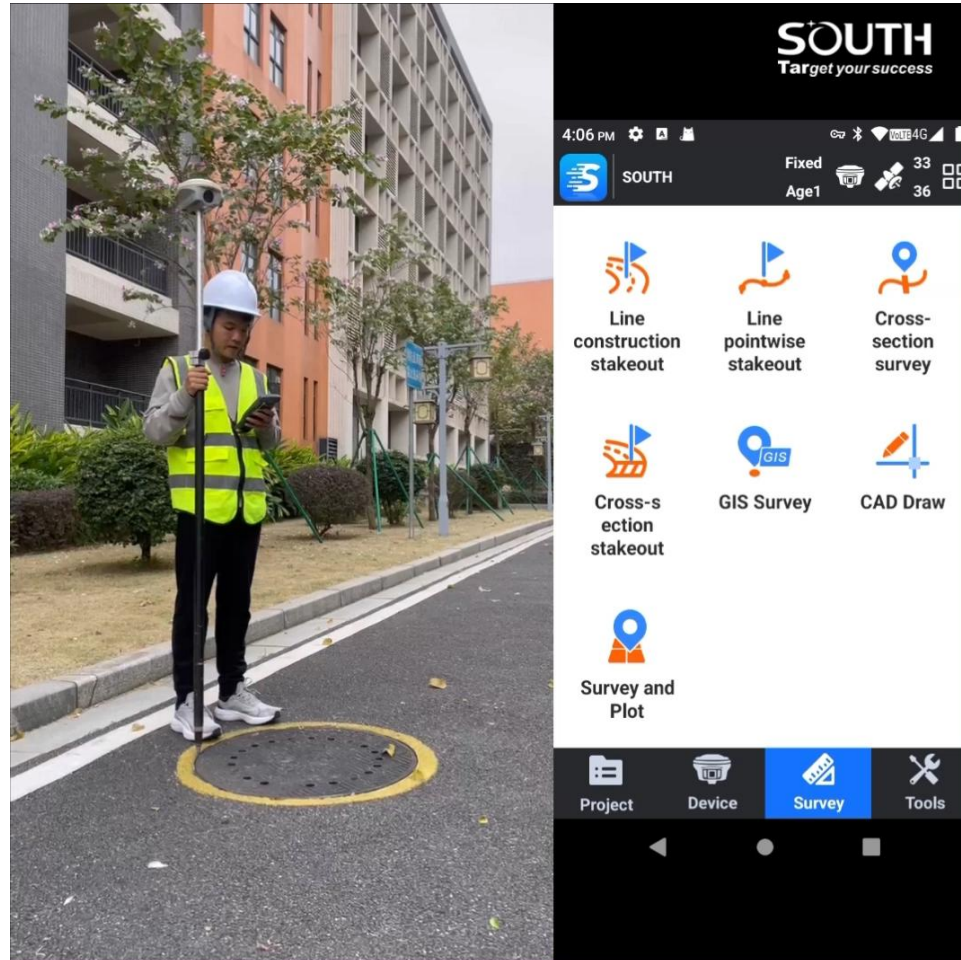

✓ Collect coordinates and draw shapes at the same time

Graphic & CAD-Survey and Plot-Finish Ground Plan during Surveying
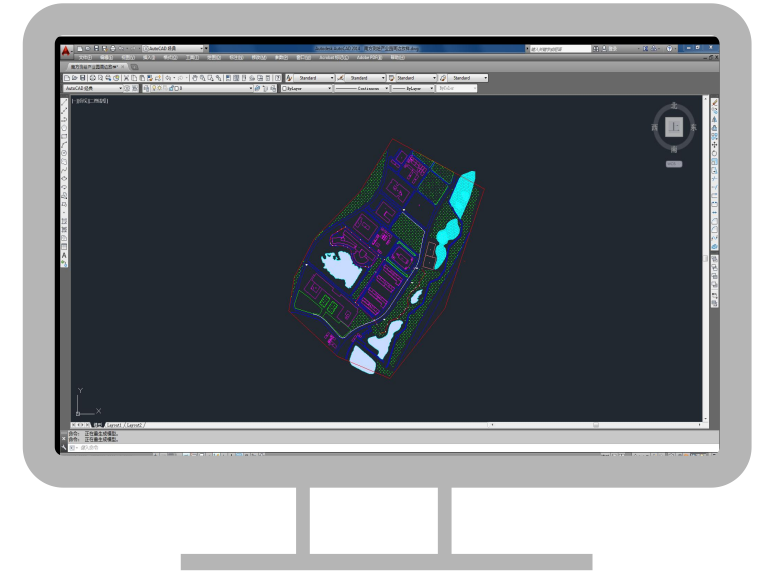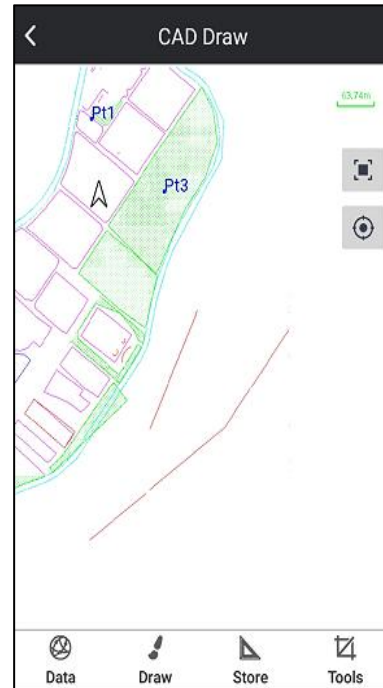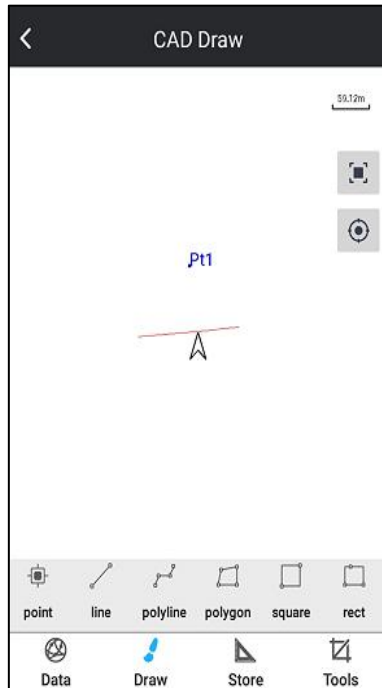
Here is a demo video:

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

CAD Draw

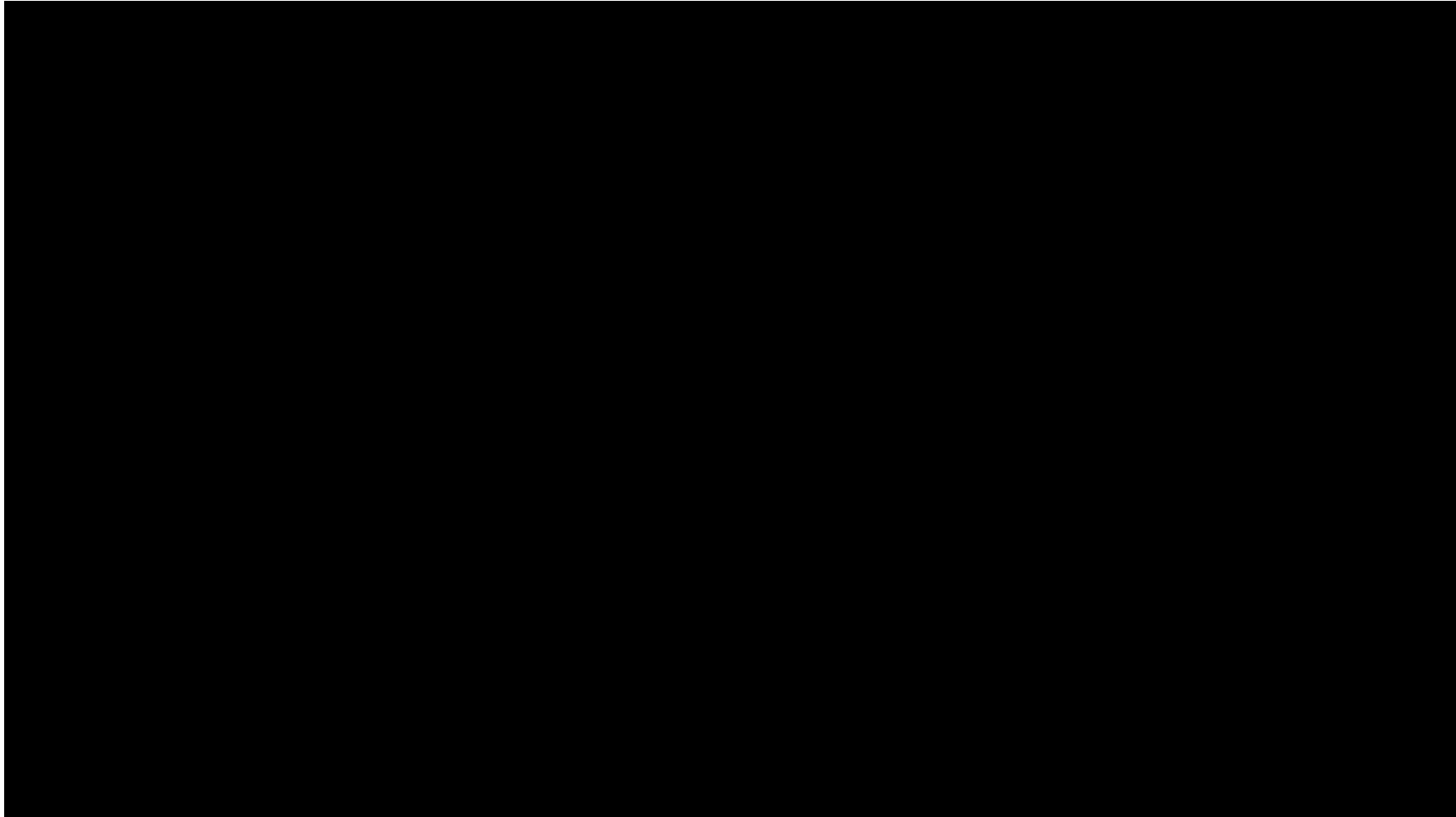✓ Draw dxf/dwg on data controllers in field.

● Support black background as CAD software on PC

Graphic & CAD-CAD Draw-Draw CAD Anywhere Any Time
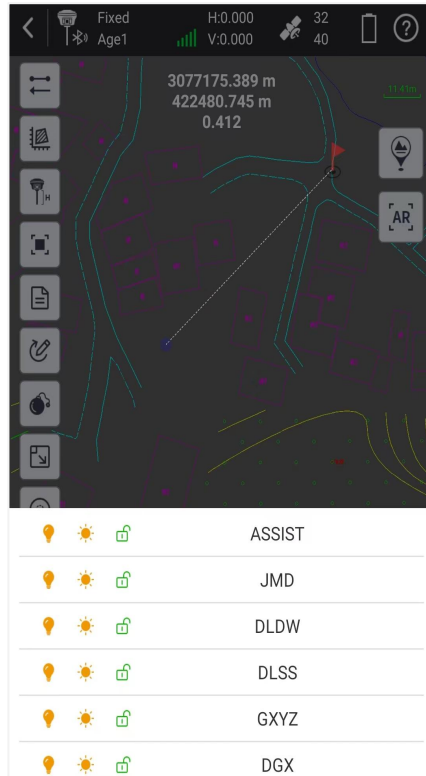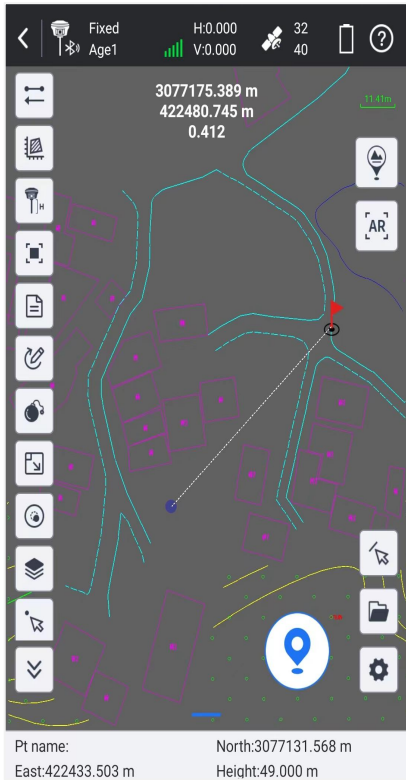
Here is a demo video:

CAD Draw

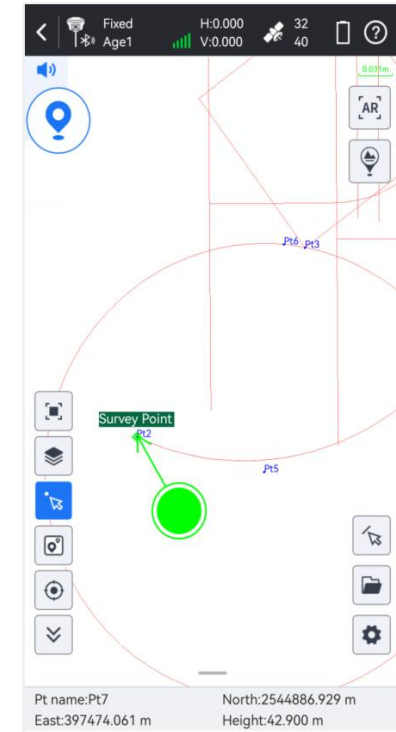# Graphic & CAD-CAD Stakeout-Stakeout without Converting CAD Files

CAD stakeout

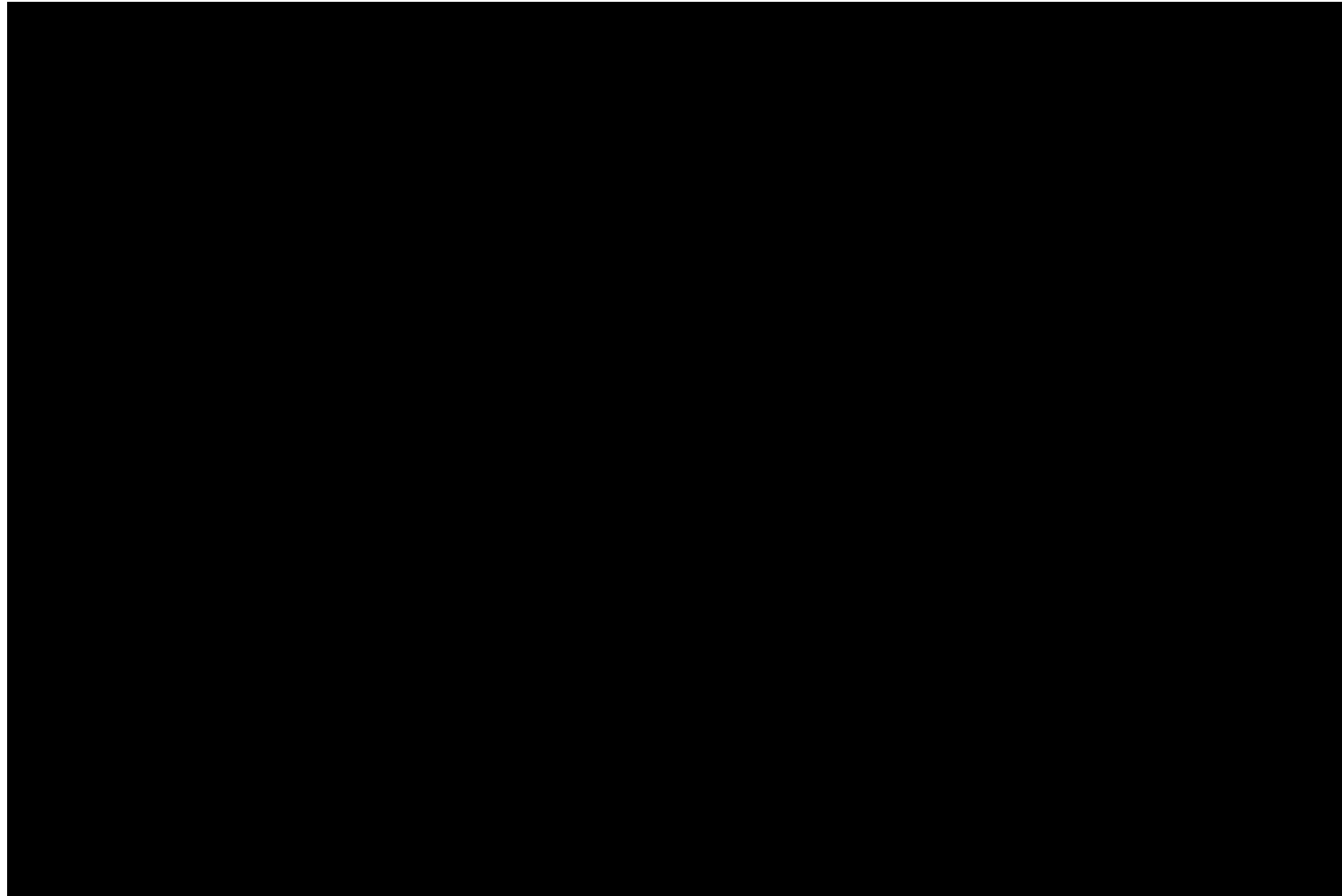✓ Stakeout on CAD files without converting them to target coordinates

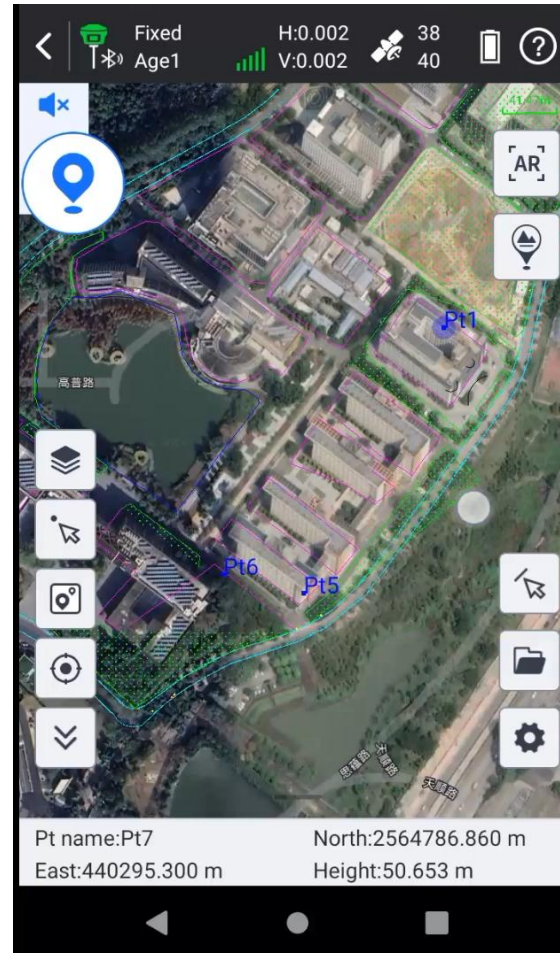● Background online maps   ● Stakeout survey points

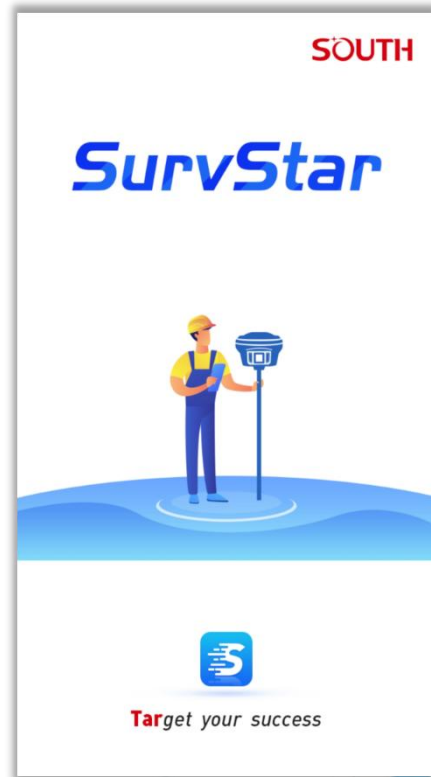# Graphic & CAD-CAD Stakeout-Stakeout without Converting CAD Files

CAD Stakeout background map demo video:

Graphic & CAD-CAD Stakeout-Stakeout without Converting CAD Files

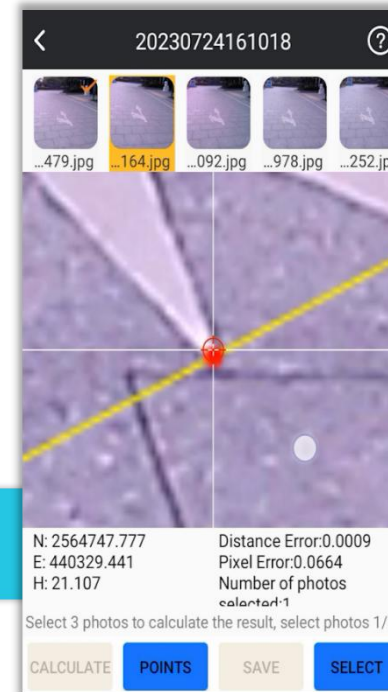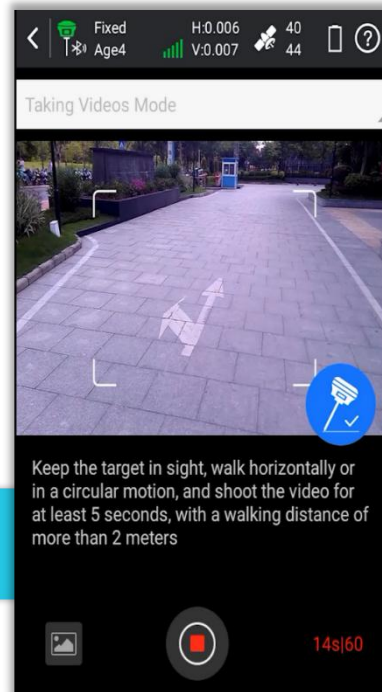CAD Stakeout select survey points demo video:

2. Visual Applications

- ☐ Photogrammetry

- ☐ AR Stakeout

Visual Applications-Photogrammetry-Work Faster and Safer

Photogramm etry

✓ Survey areas where cannot be reached, cannot get fixed, or cannot keep safe with image data.

INNO8

Insight V3

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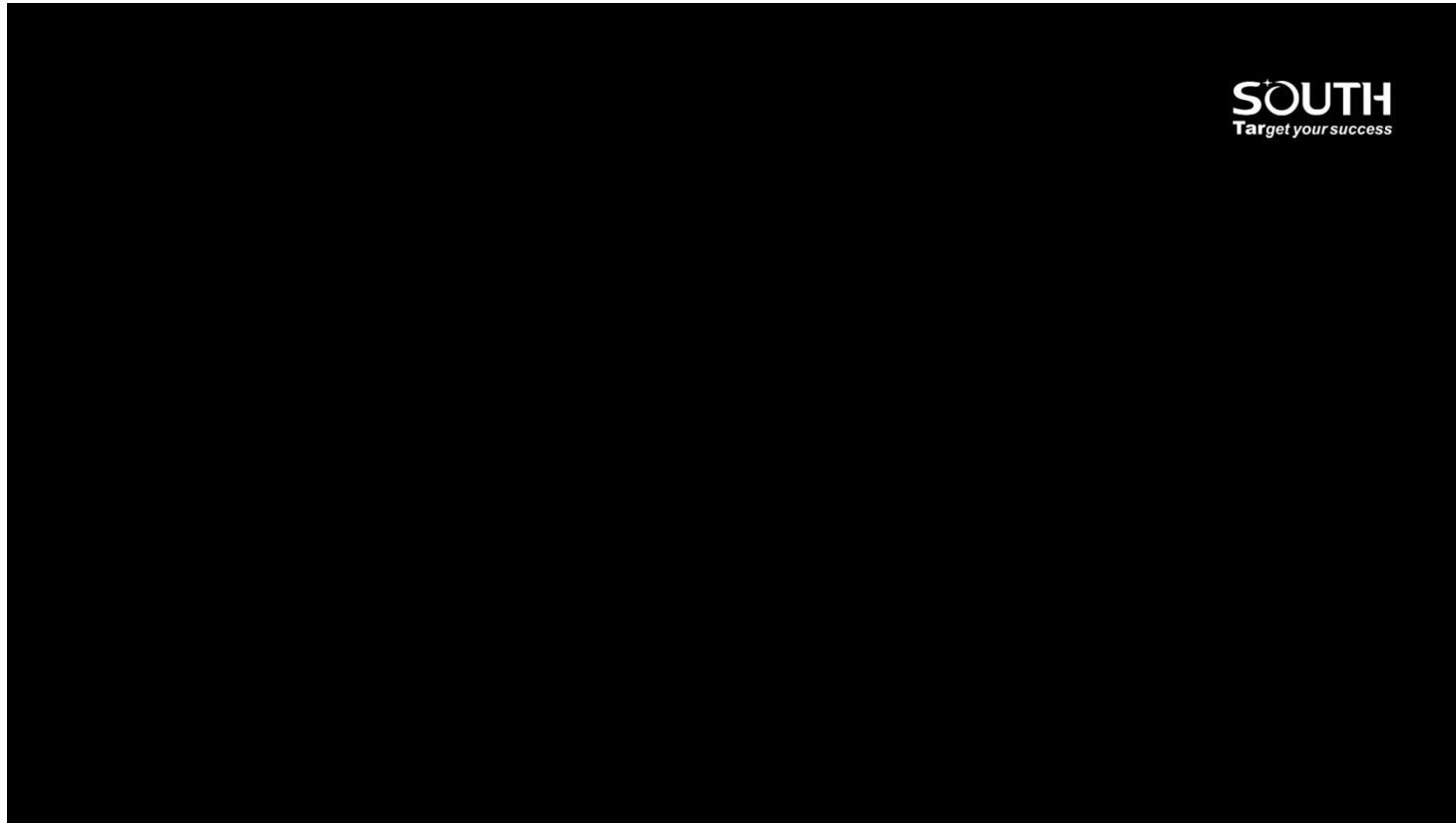
Visual Applications-Photogrammetry-Work Faster and Safer

Operation demo video:

Visual Applications-Photogrammetry-Work Faster and Safer

✓ Image data can also be used for 3D modeling or complement for UAV aerial survey.

UAV model

Visual Applications-Photogrammetry-Work Faster and Safer

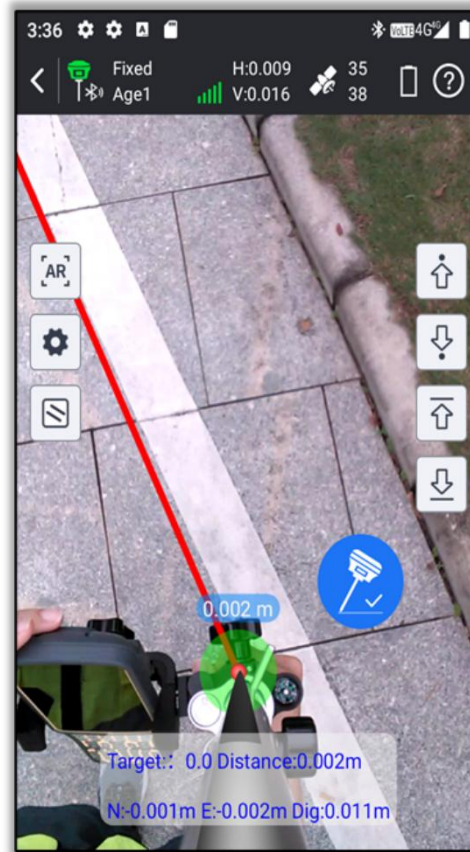✓ Image data can also be used for 3D modeling or complement for UAV aerial survey.

UAV model

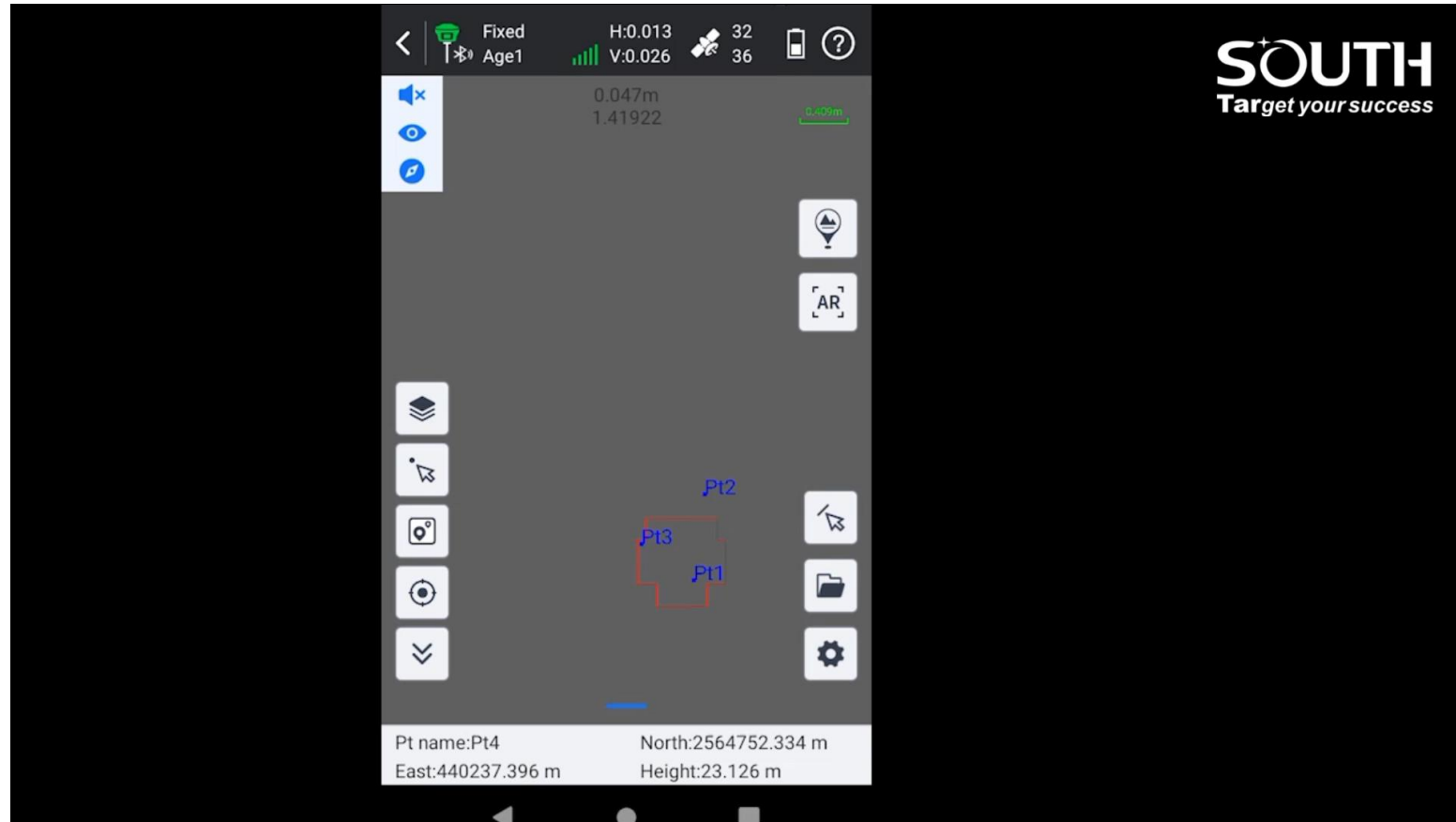UAV+ INNO8 model

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Visual Applications-AR Stakeout-Just See and Find the Targets

✓ Stakeout points, lines and curves with live view stream.

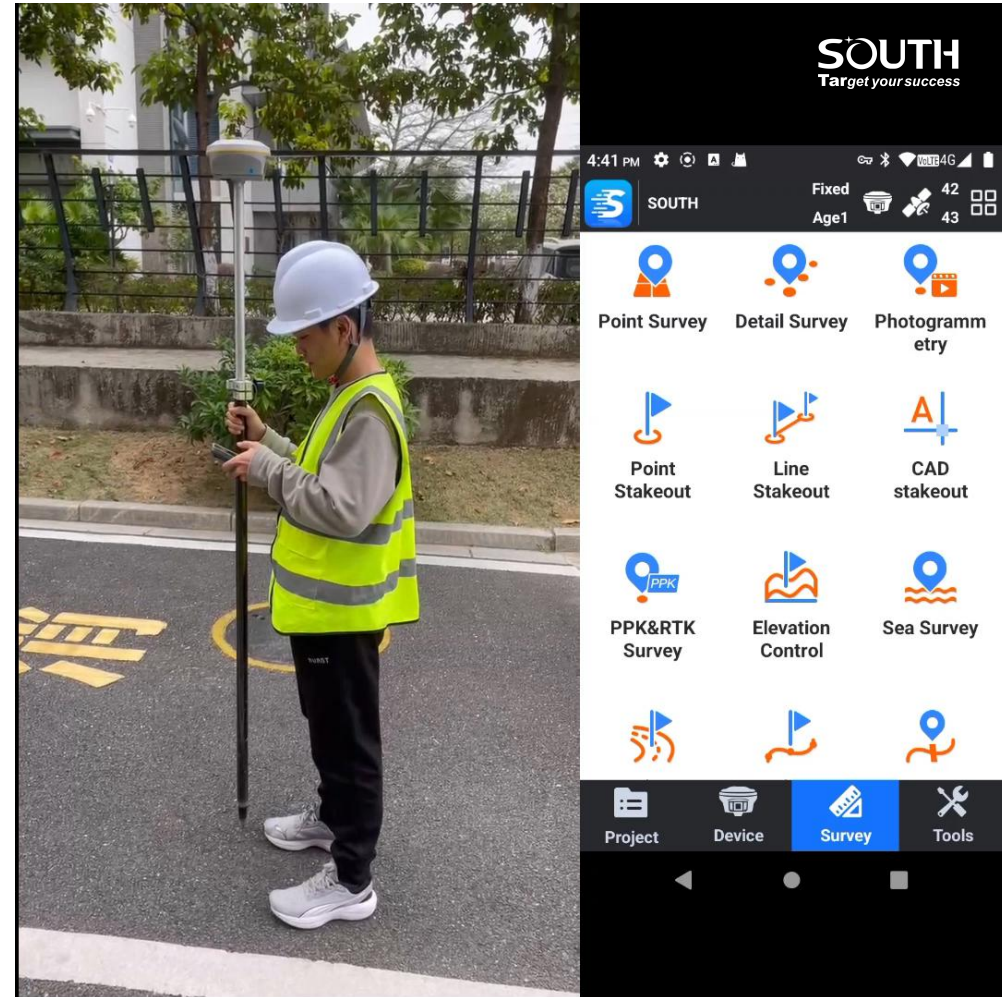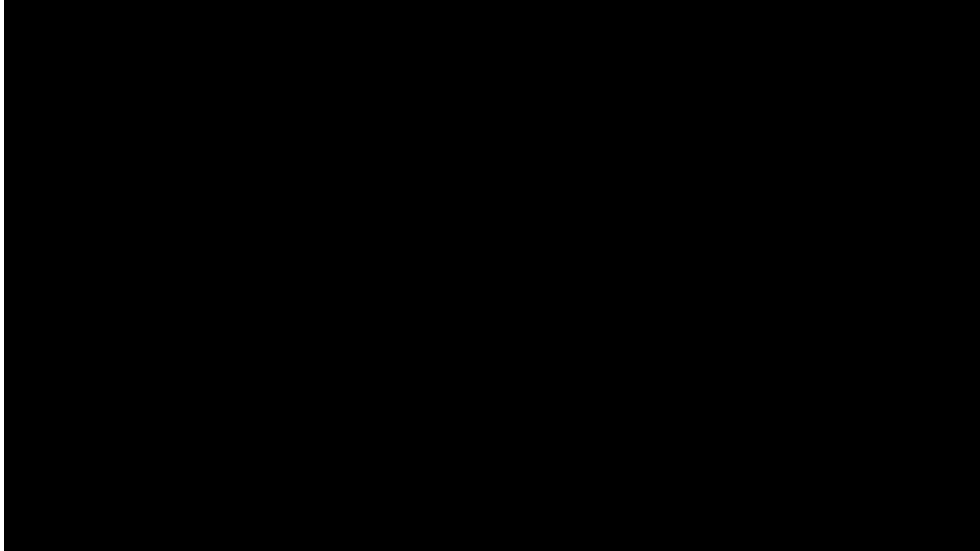# Visual Applications-AR Stakeout-Just See and Find the Targets
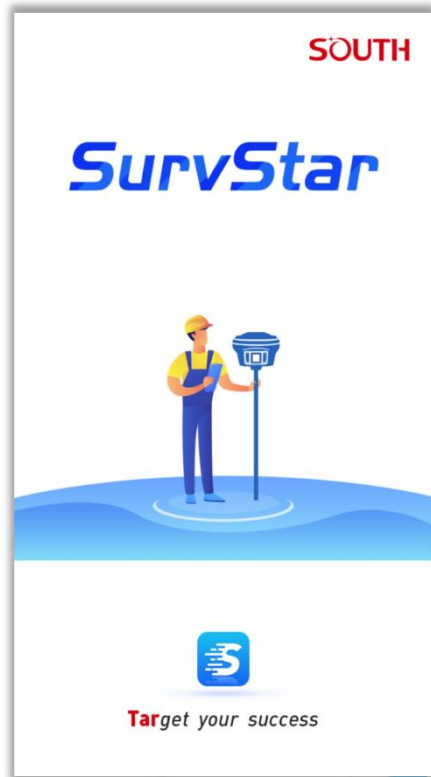
Operation demo video:

Visual Applications-AR Stakeout-Just See and Find the Targets

✓ Dual camera AR stakeout

- Rear camera for guiding direction

- Bottom camera for specific location

3. Crossover Applications

- ☐ Total Station

- ☐ External Radio

- ☐ GIS Survey

- ☐ Sea Survey

Crossover Applications-Total Station-Control TS on SurvStar

✓ BT connection, acquire angle and distance values, transfer files

Total Station

Data Transmission

Crossover Applications-Total Station-Control TS on SurvStar
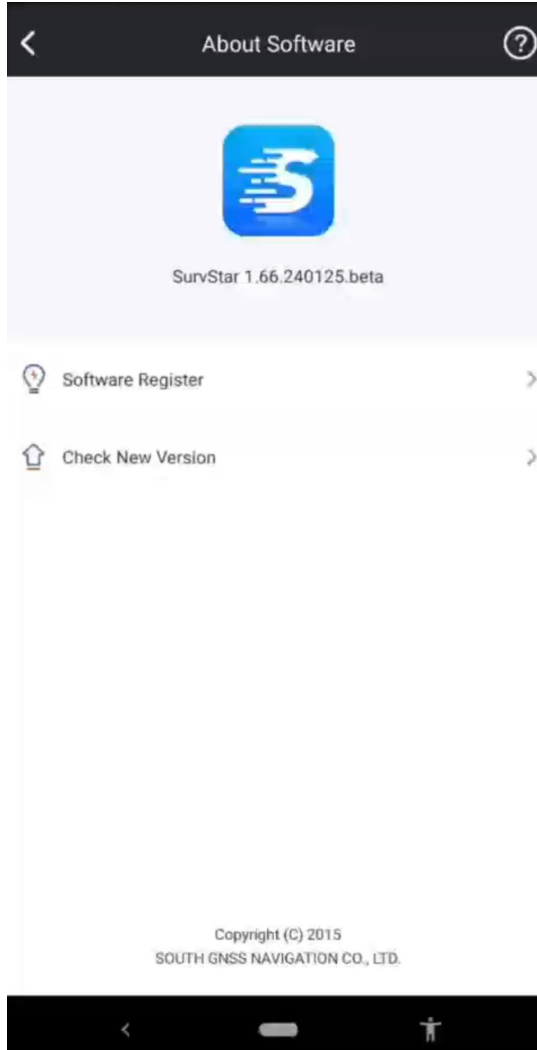
✓ Survey, plot and CAD stakeout
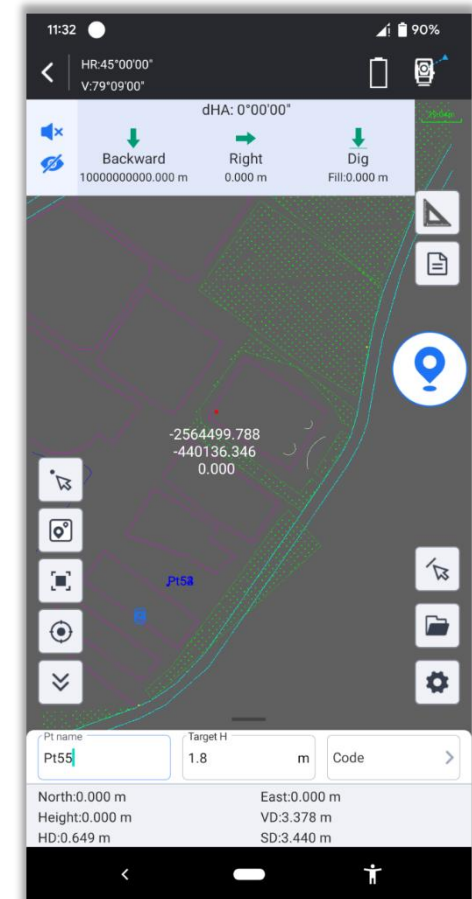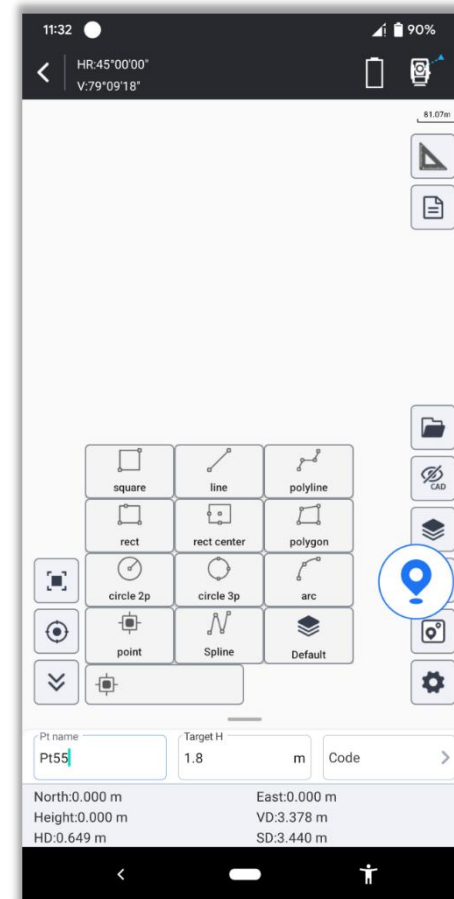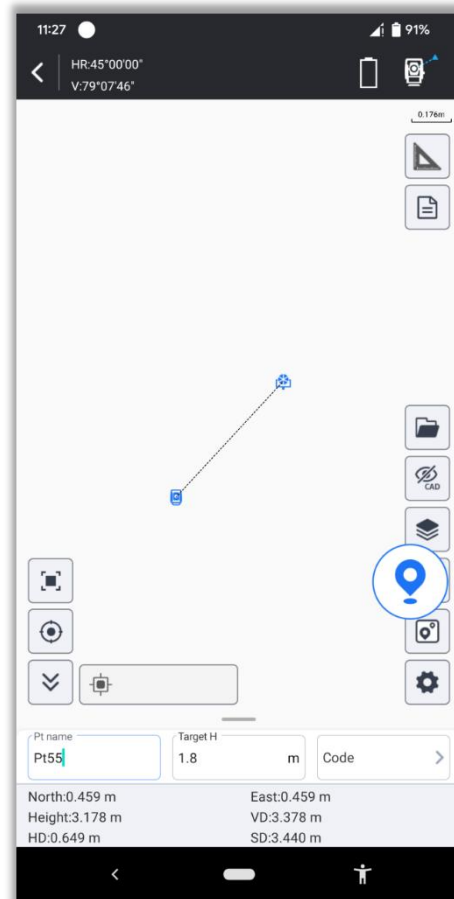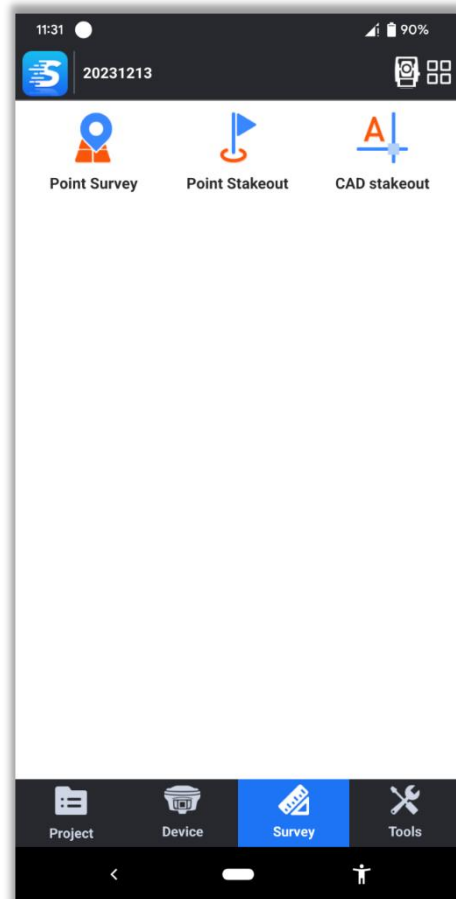
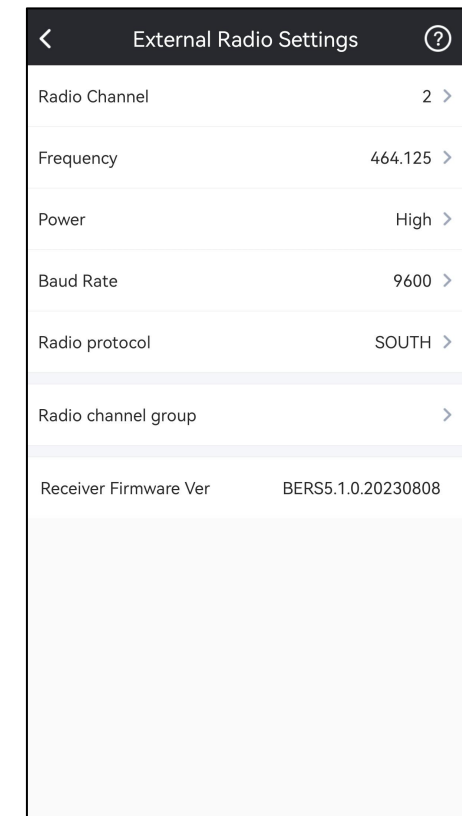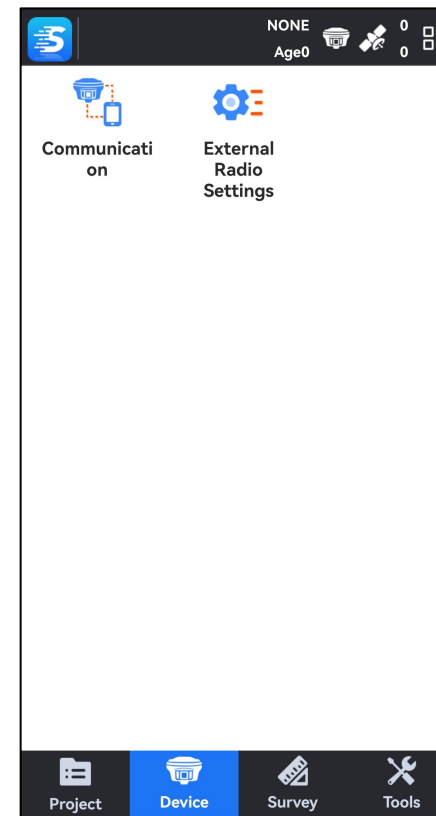# Crossover Applications-Total Station-Control TS on SurvStar

Demo Video

Crossover Applications-External Radio-All Settings on One Menu

✓ Finish all the settings (protocol, frequency, baud rate, etc.) remotely on the same menu, without approaching the radio or using buttons.

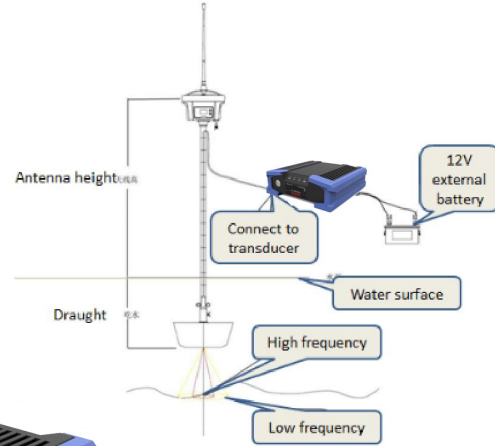# Crossover Applications-GIS Survey-GIS in Hand
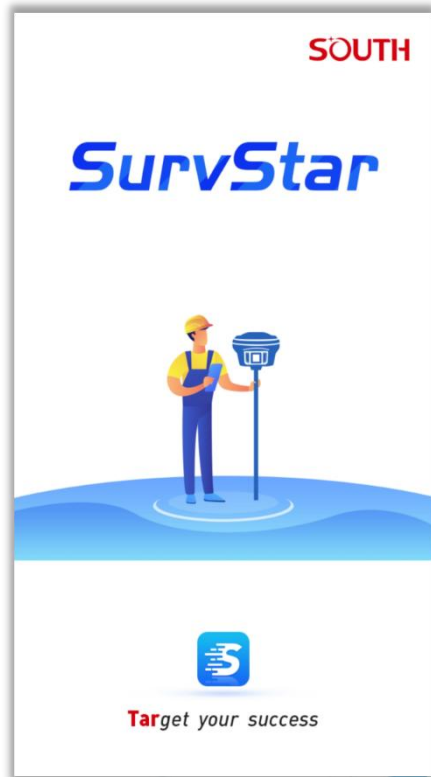
✓ Conduct GIS Survey on tablets

GIS Survey

N80/N80T

Crossover Applications-Sea Survey-Not only Length, but Depth
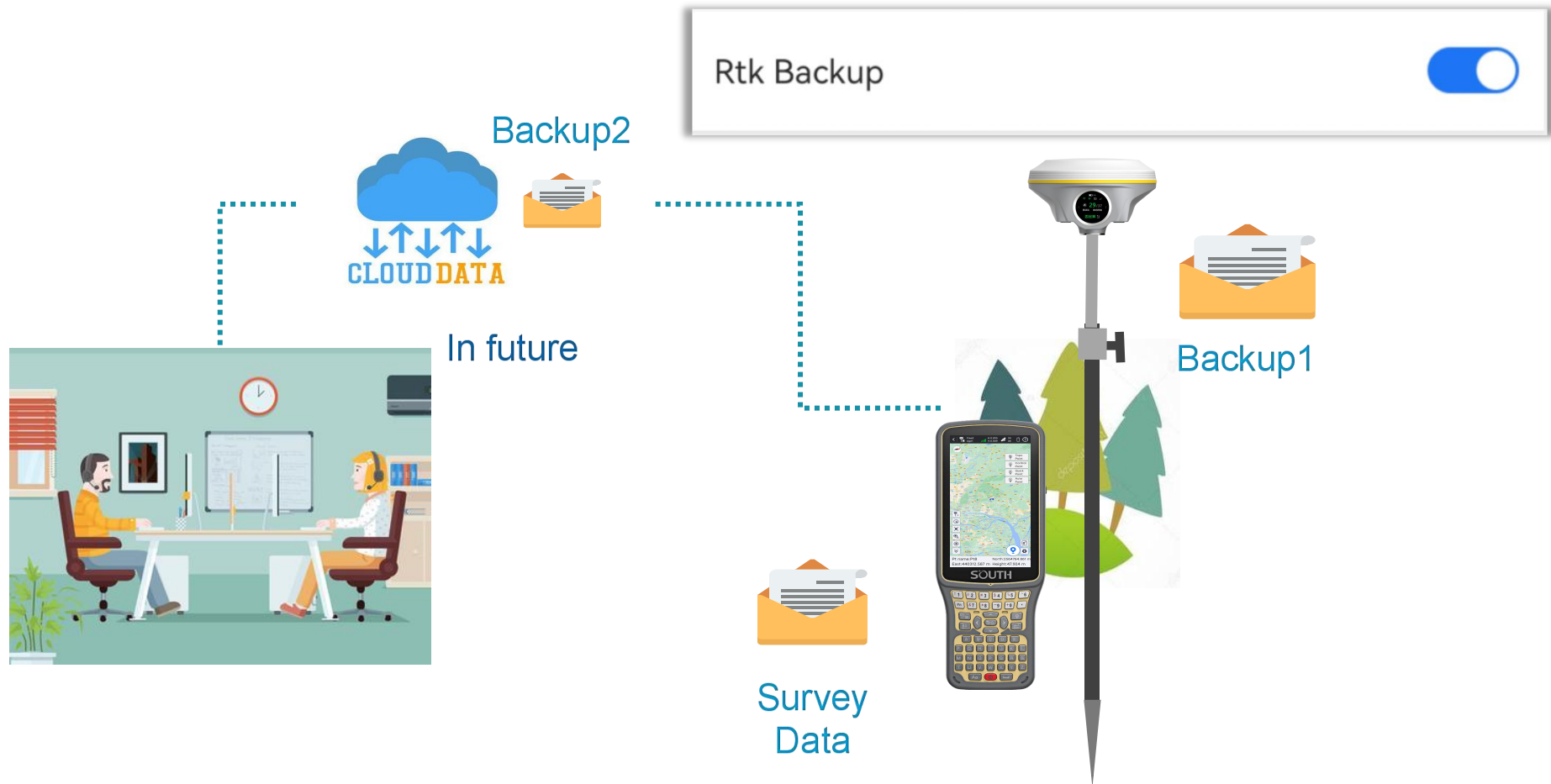
✓ Using WiFi to control Echo Sounder

4. Data Management

- ☐ RTK Backup

- ☐ STH Download & RINEX Transformation

- ☐ Project QR Code Share

- ☐ Network Settings

# Data Management-RTK Backup-Protect Your Data in each Project

✓ Backup data in the receiver and cloud server (developing) to protect it

Rtk Backup

Backup2

CLOUD DATA

In future

Backup1

Survey Data

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Data Management-STH Download & RINEX Transformation -Save Your Time on Handling Static Data

✓ Download STH, convert them to RINEX format and share them in the field.

STH
Download

Rinex
Transformation
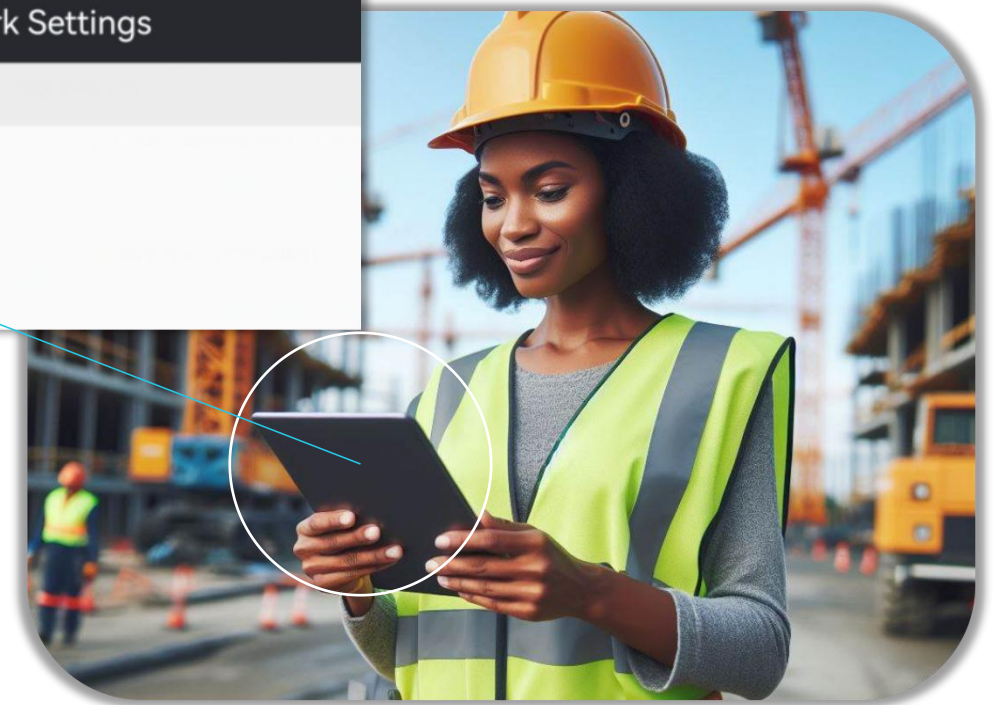
STH

RINEX
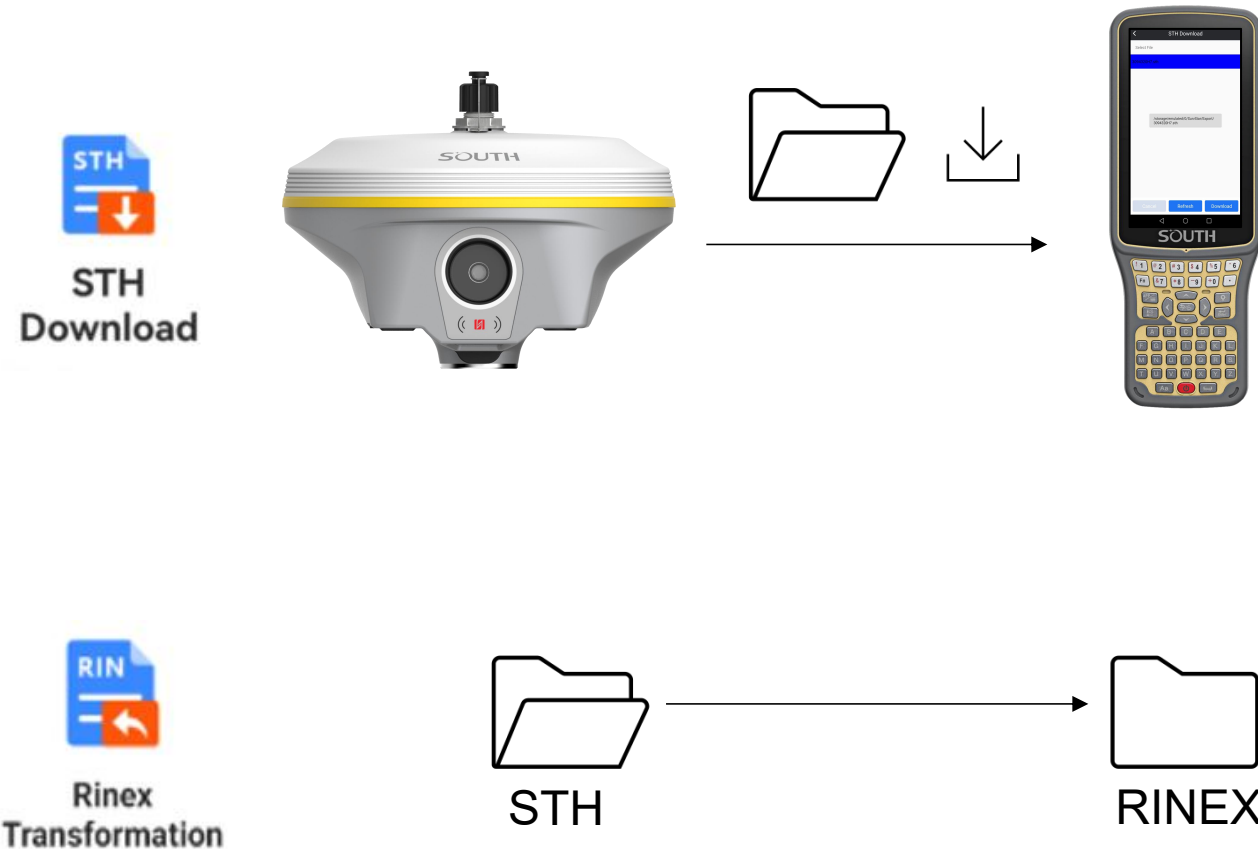
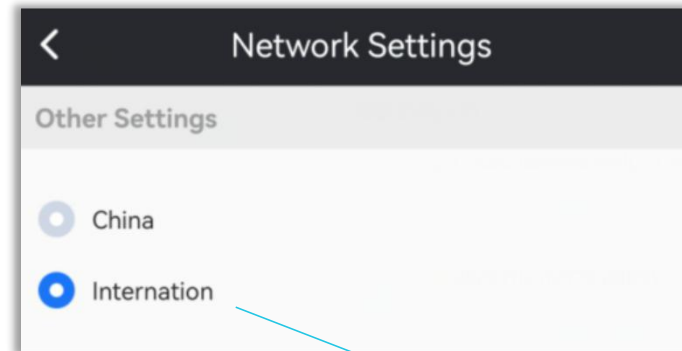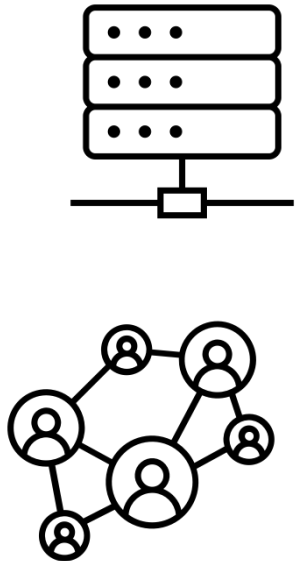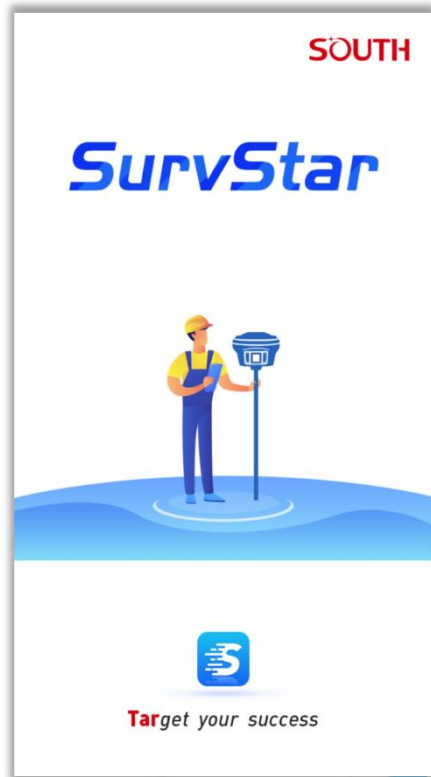# Data Management-Project QR Code Share
-Scan and Share, Simple and Smooth

✓ Just scan the QR code to share the whole project, easy for moving your projects to any devices

Data Management-Network Settings-Keep a Stable Connection

✓ An additional network setting for international users, optimize the connection to the server.

5. Customized Functions

☐ Cutting Area

☐ WMS

☐ Mount Point Sort

☐ NMEA Output

Customized Functions-Cutting Area-Make Division of Area Easier (From African and Asian Customers)

✓ Select targets and set values, then the software will calculate and obtain the coordinates for dividing the area

Cutting Area
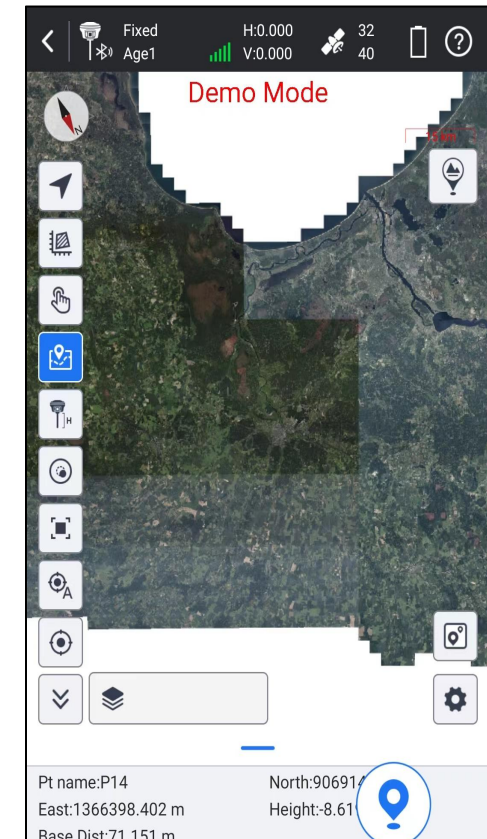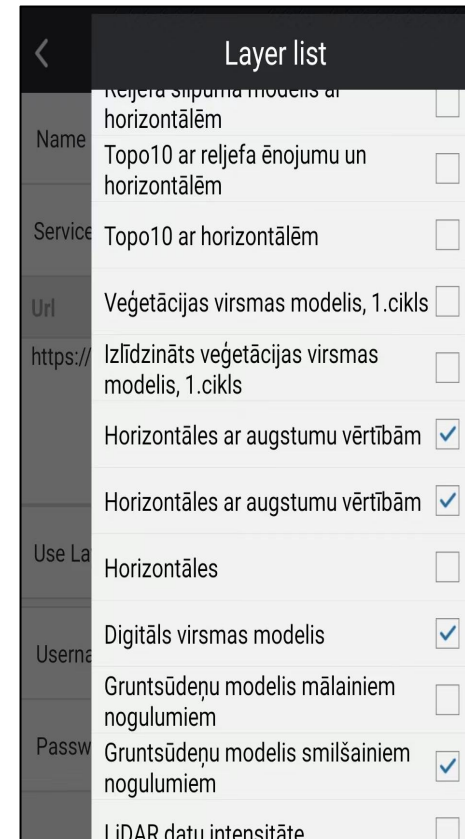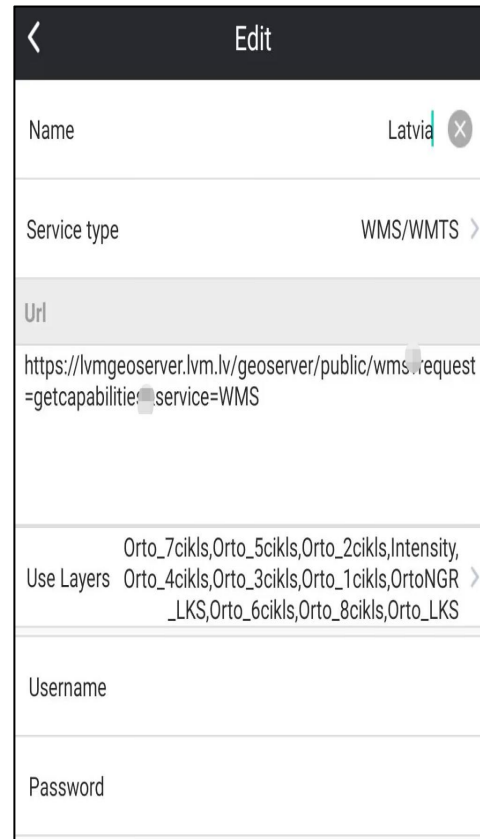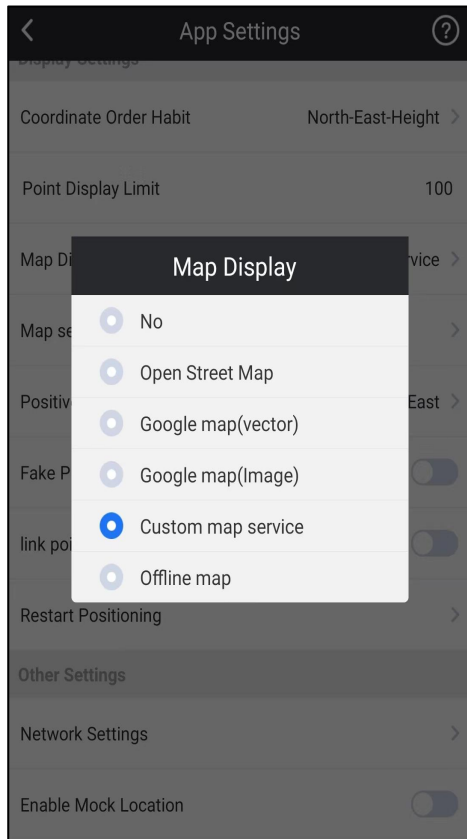
- 6 cutting ways
- 5 units available

Customized Functions-Cutting Area-Make Division of Area Easier (From African and Asian Customers)

Demo video:
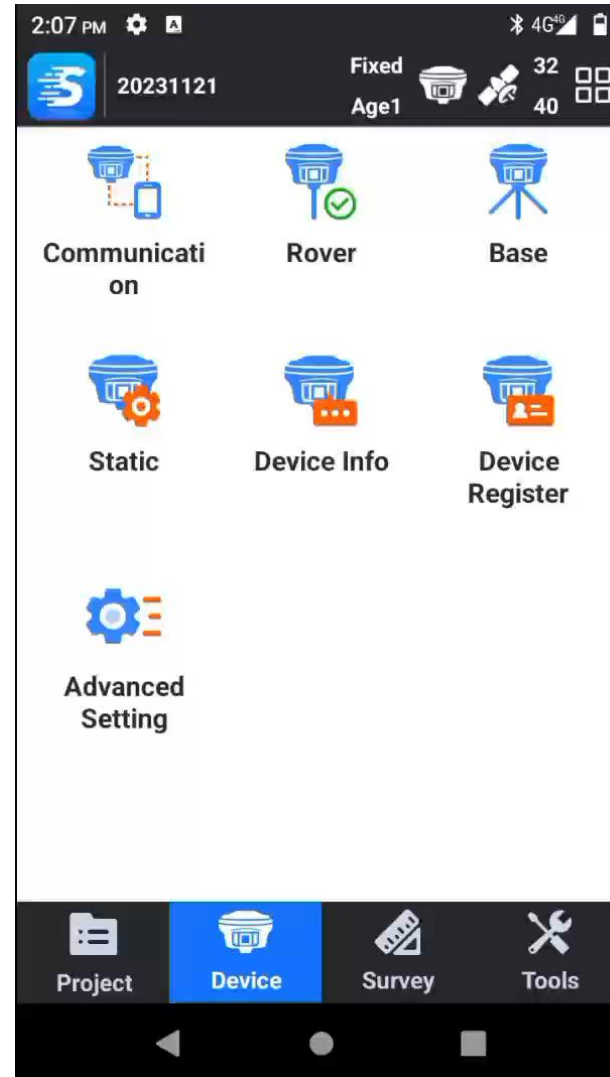
Customized Functions-WMS-Use Your Customized Map for Survey (From European Customers)
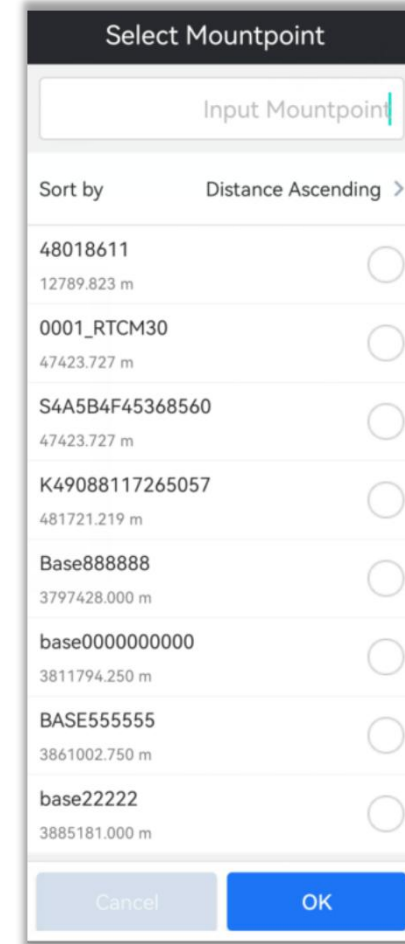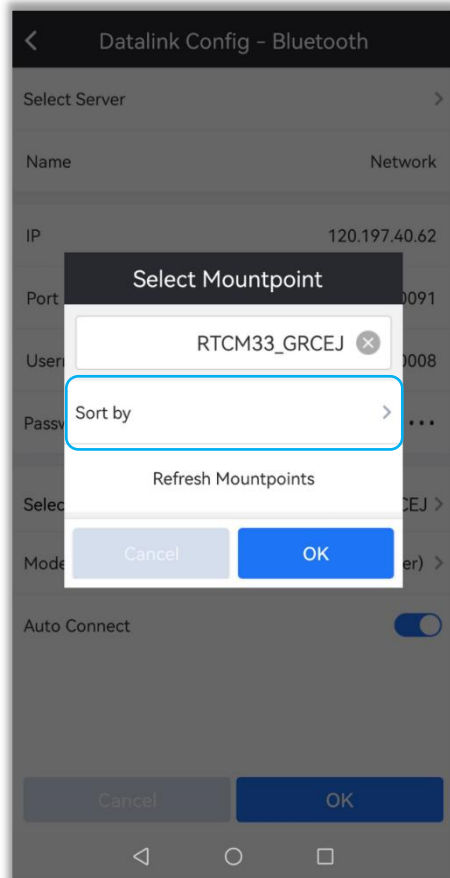
Customized online map available

Customized Functions-Mountpoint Sort
-Find the Nearest Mountpoint at once
(From Russian and Americas Customers)

✓ SurvStar will automatically sort the mountpoint based on its distance to the receiver, so users can easily find the closest one.

Customized Functions-NMEA Output-Check Raw Data at Any Time (From Kolida\Ruide\Sanding Brand Customers)

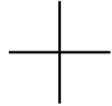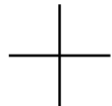✓ Customize the NMEA output of your receiver to acquire valuable data

Part 2

What is Coming to SurvStar in next few Versions?

Graphic & CAD-Integrate Modules-Get Less, Get More

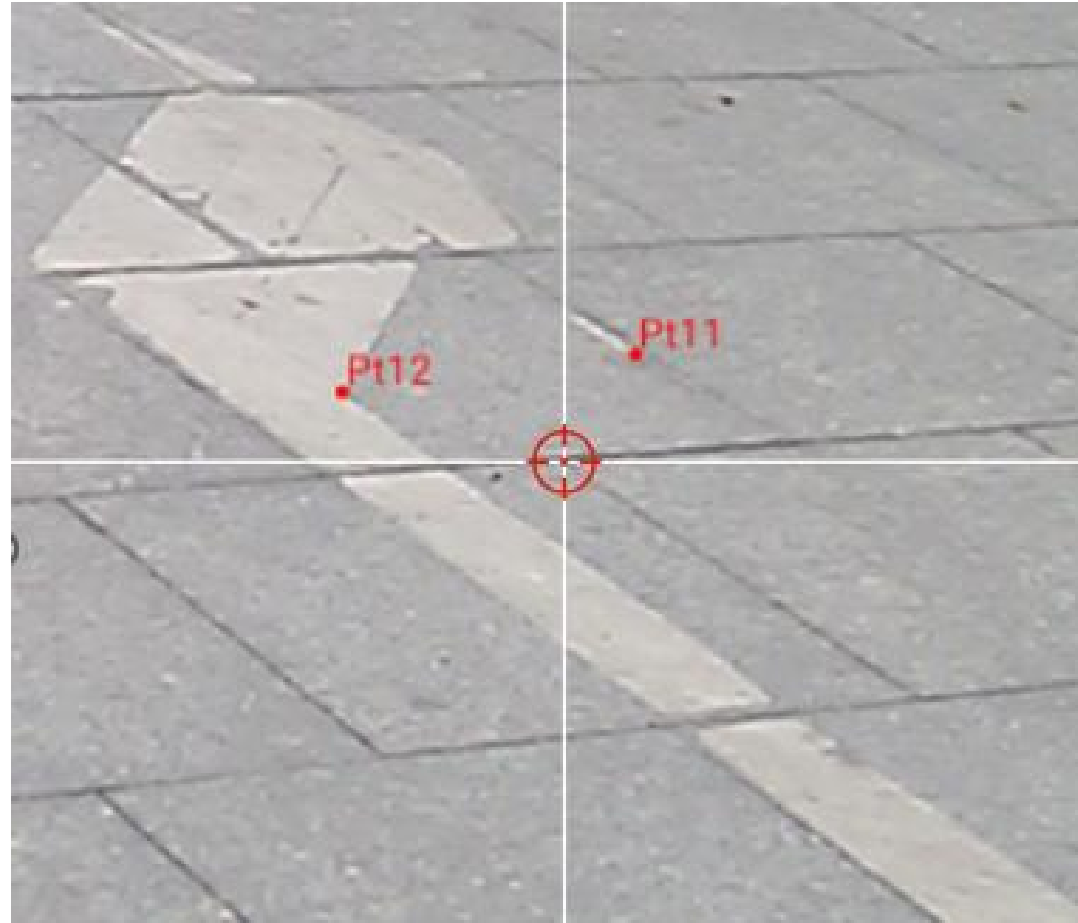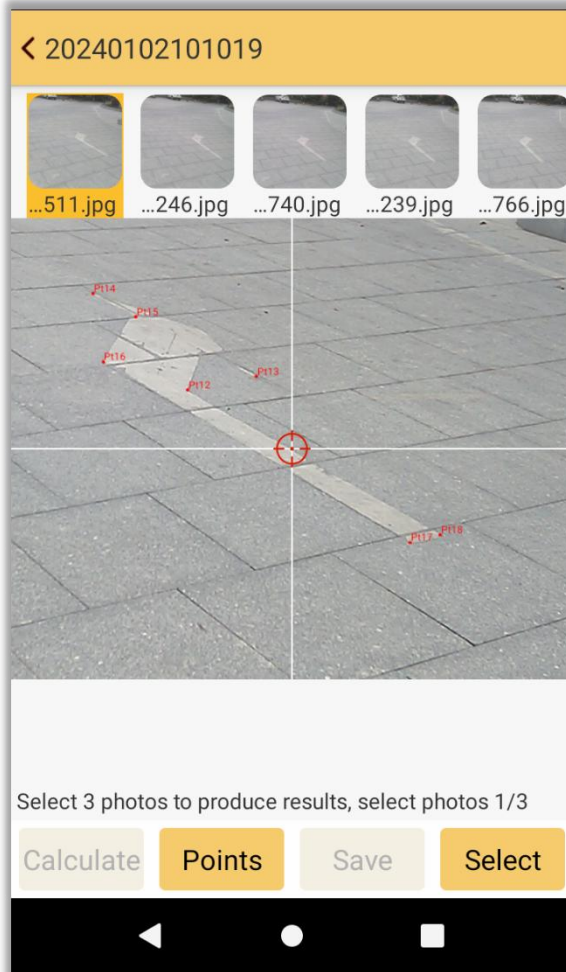✓ Integrate modules into one and gather their functions

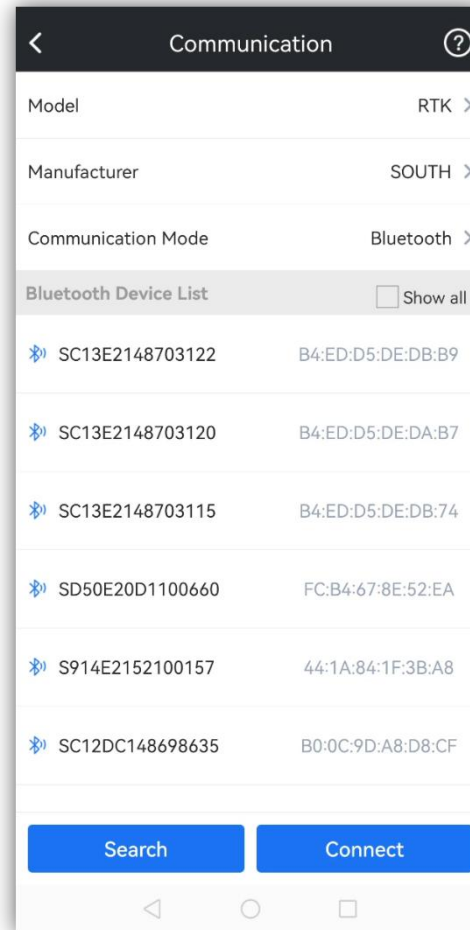# Visual Applications-Mark on Images & One Button to WiFi Connection -Better Experience on Photogrammetry

✓ Support showing the visual points directly on the images

Visual Applications-Mark on Images & One Button to WiFi Connection -Better Experience on Photogrammetry

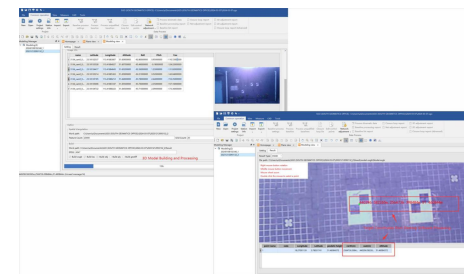✓ Start visual functions with one button to switch WiFi connection

Visual Applications-Offline Processing-Get What You See Anywhere

✓ Process images data even in remote area with poor network connection and keep all the data just in the data controller to ensure data security.
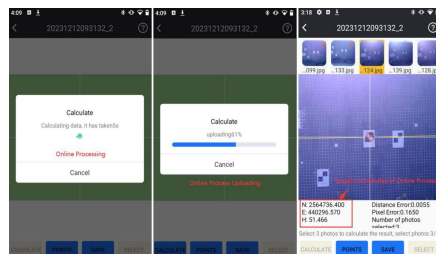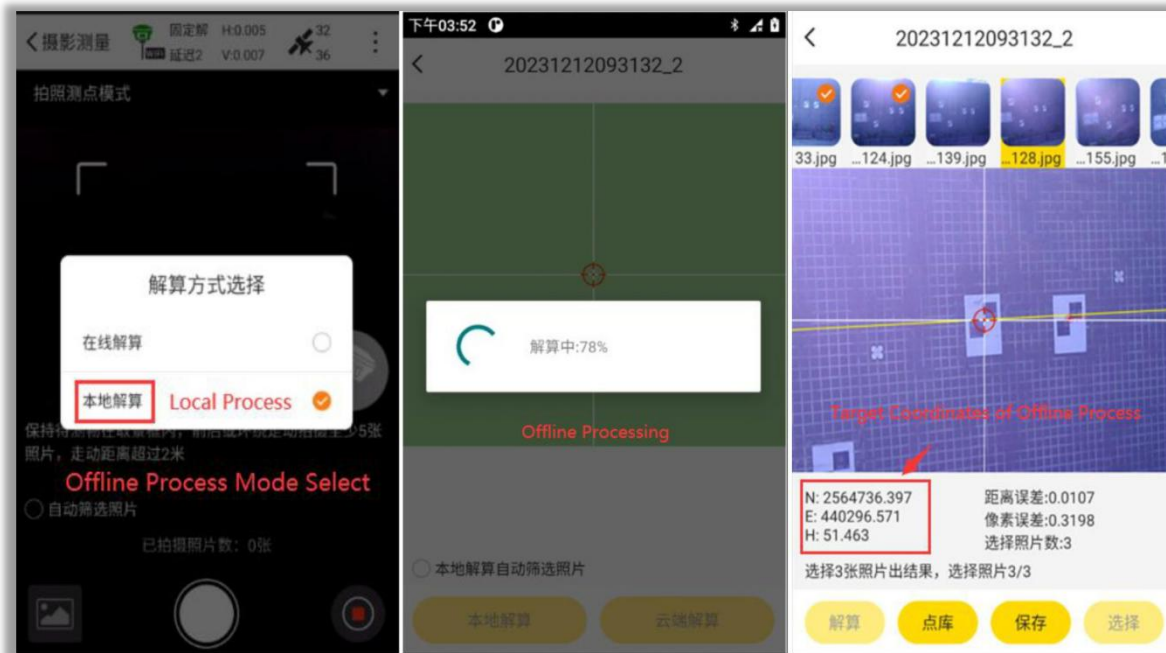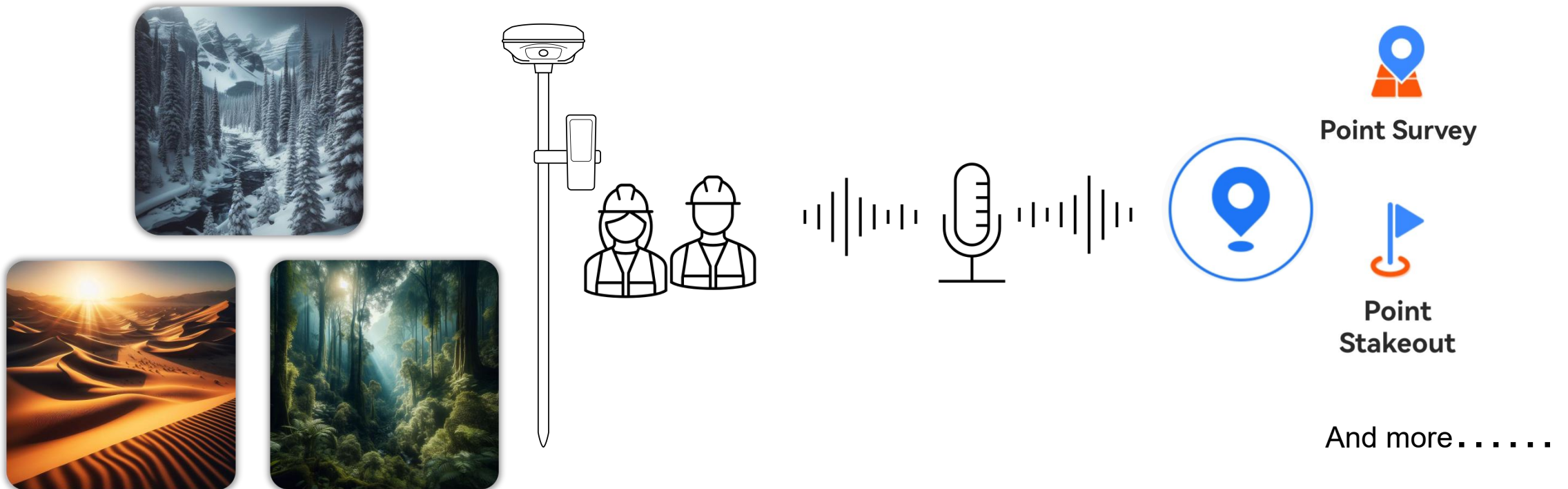

Online Processing

SGO Processing

Part 3

What will Come to SurvStar in the future?

Next Feature-AI Voice Assistant-Welcome to the Epoch of AI!

✓ Customize hotkeys and AI voice control of the software

● Especially suitable for harsh environments, where surveyors have problems using data controllers
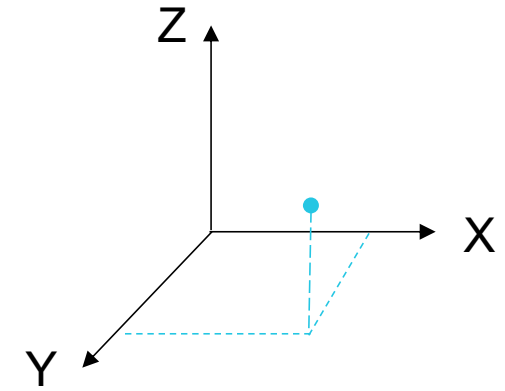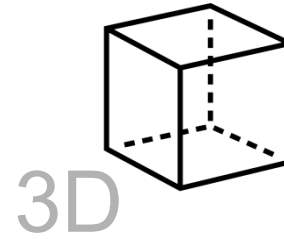

Point Survey

Point Stakeout

And more . . . . . .

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Next Crossover-SLAM & Laser Scanner-Make Scanners Portable

✓ Put commonly used functions on SurvStar, bring your scanner and start to work!
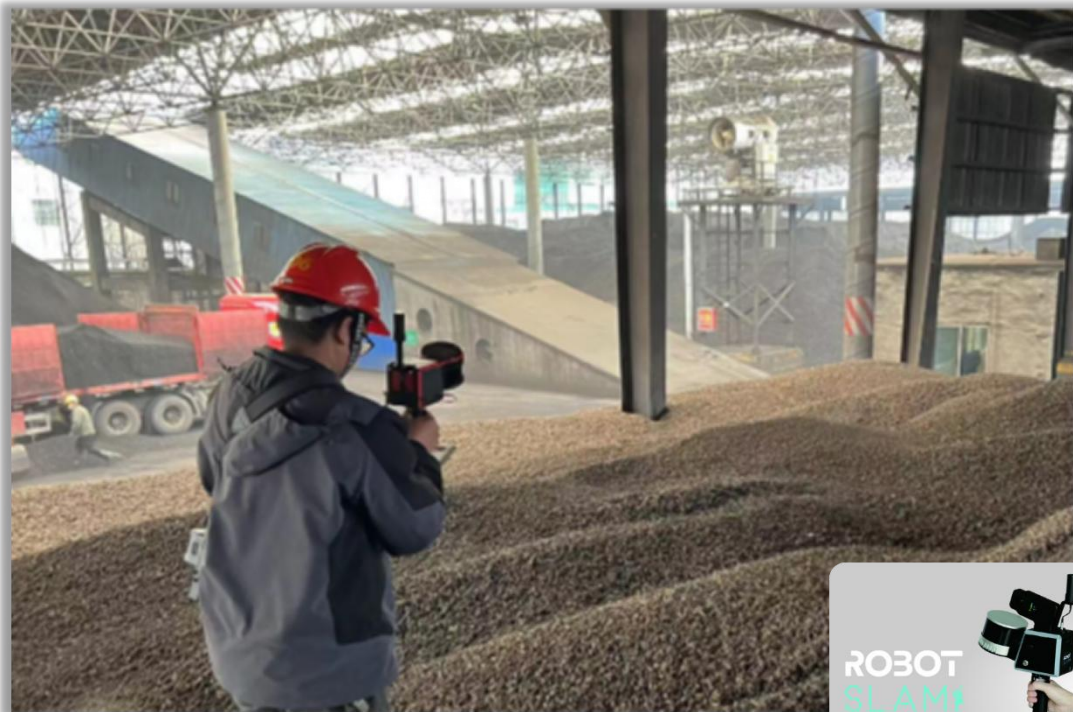
Other Optimizations

✓ 3D display of survey points
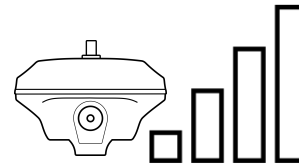
3D

Check point more than on map but from a 3D view

✓ Radio signal checking

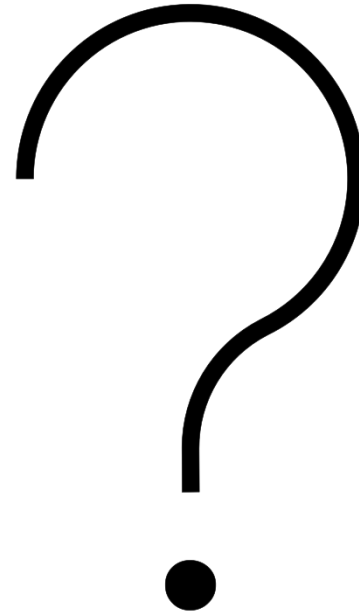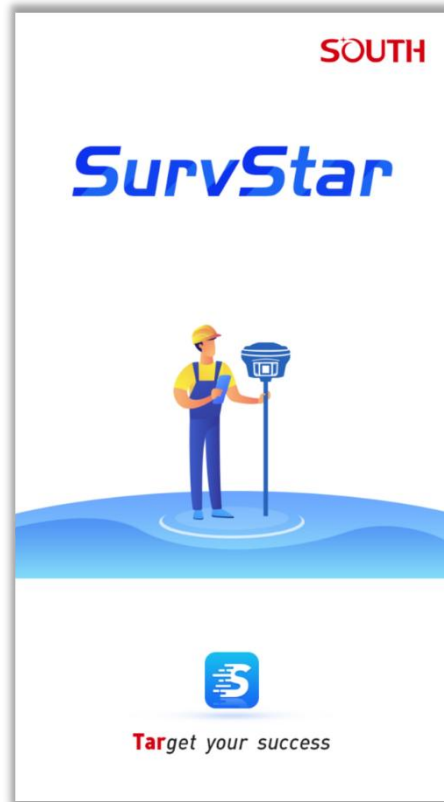Detect radio signal interference before connecting

✓ Network signal checking

Choose a stable network to use in the field

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Next Receiver-New RTK

✓ SurvStar will support a series of functions of the coming new RTK

- Laser?

- And more……

Thank You!