



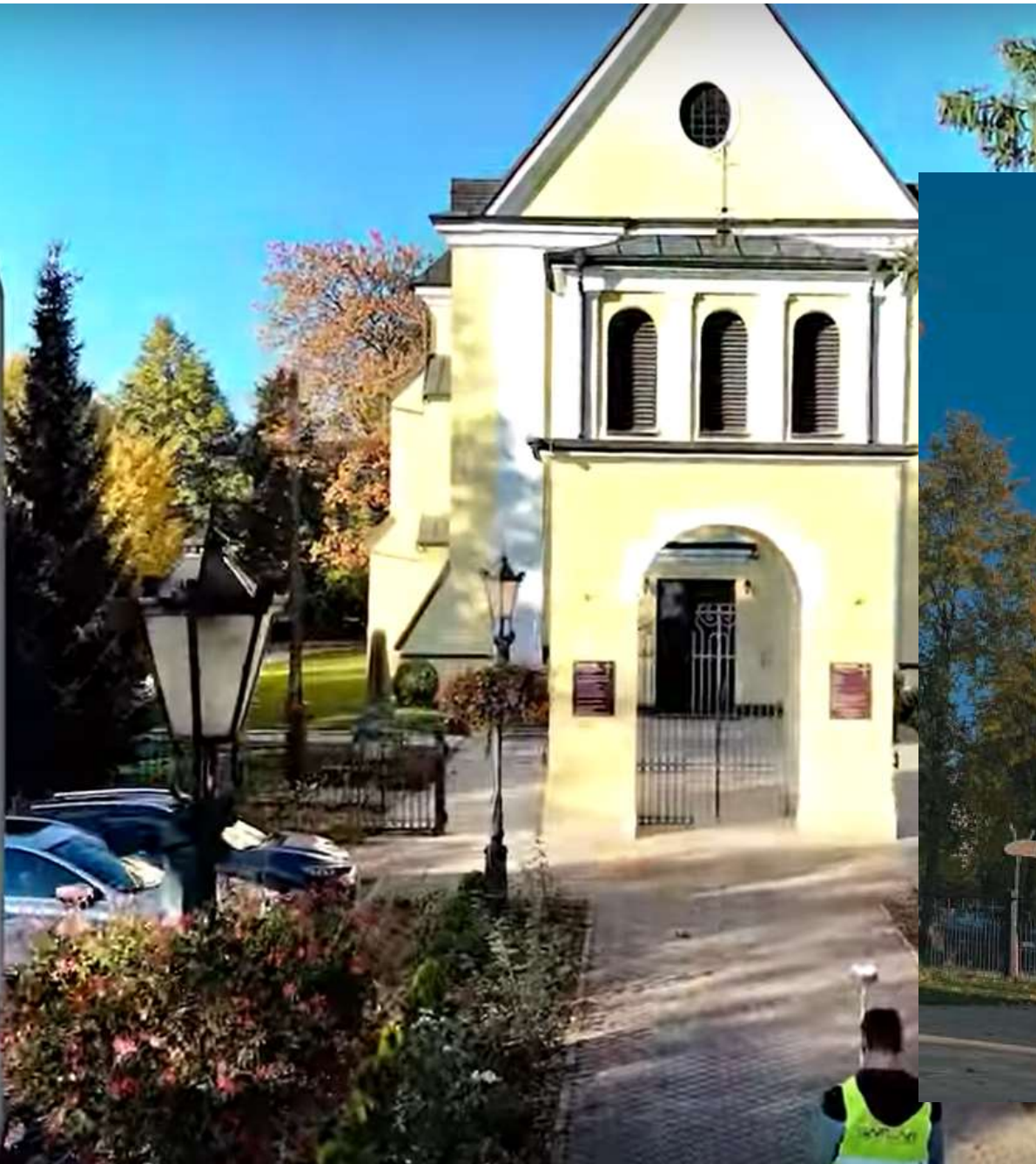
SOLUTIONS FOR 3D DATA COLLECTION





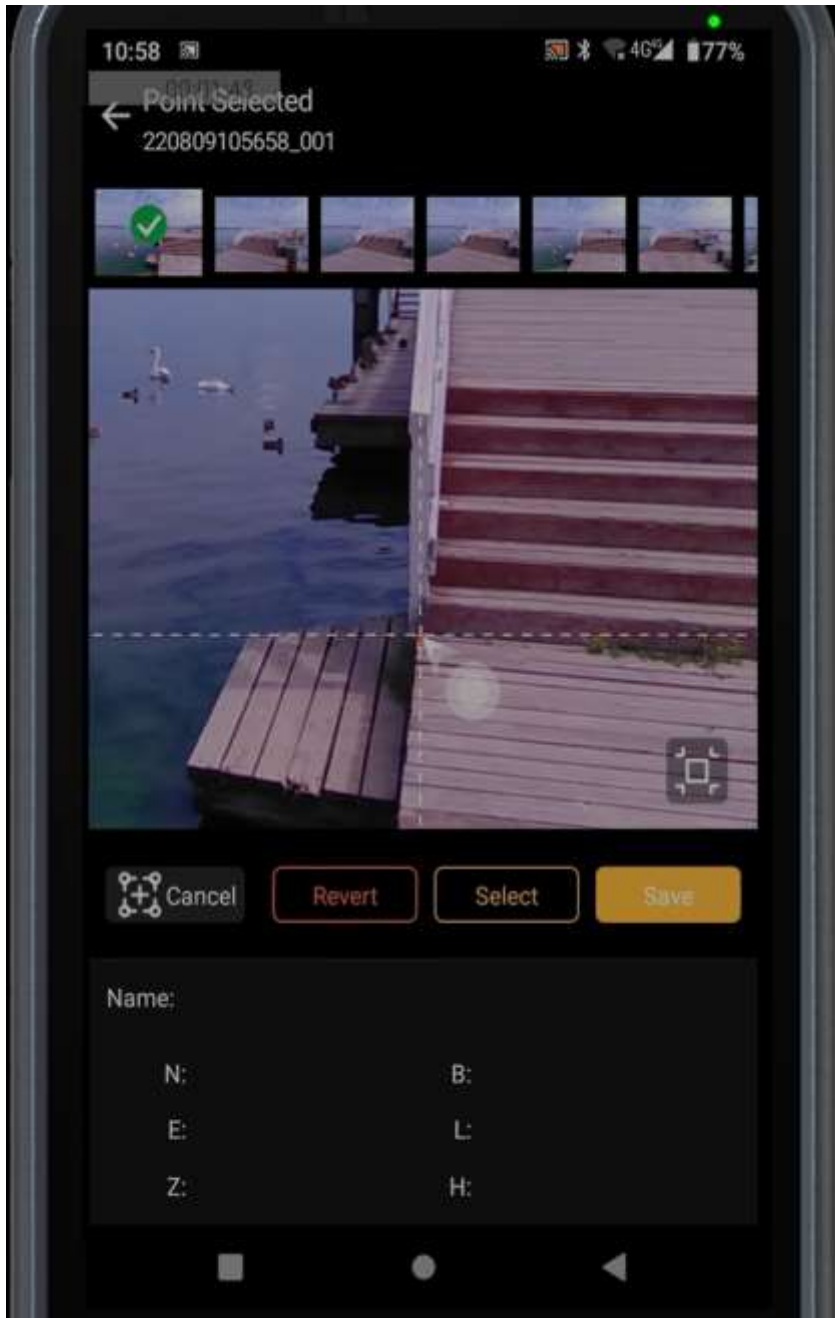
Eyr
GNSS Receiver



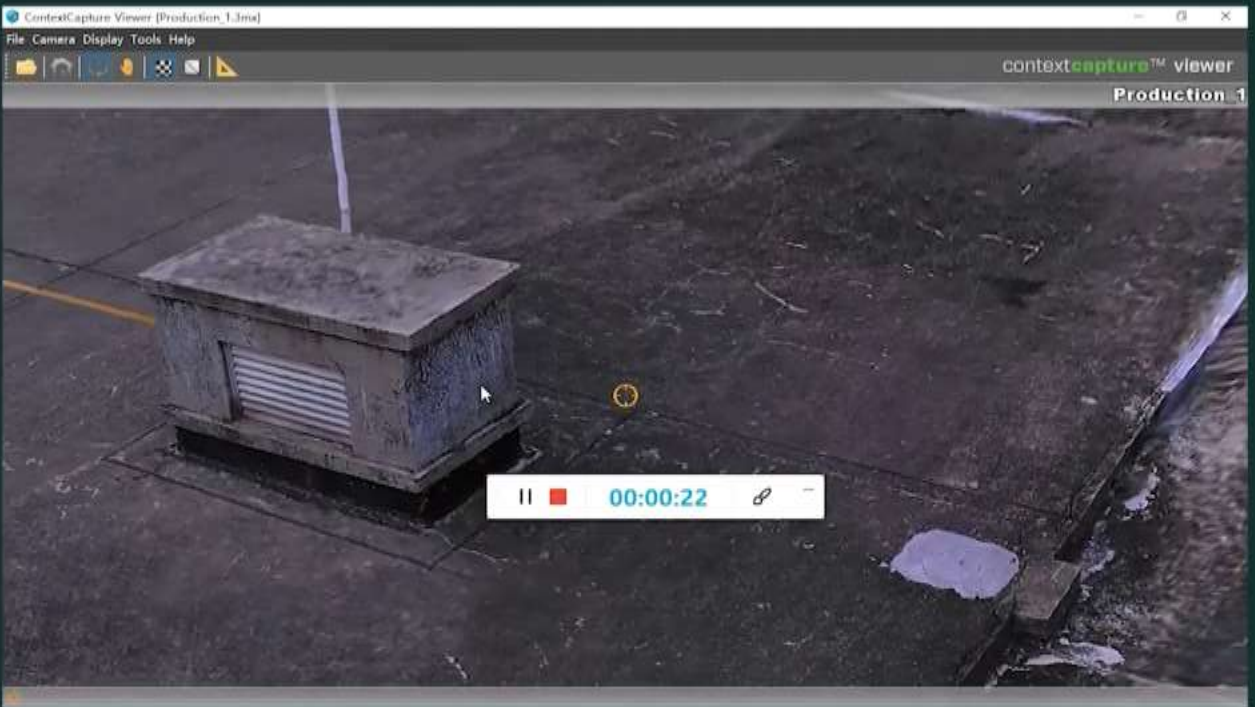


NUFOTOGRAFUOKITE NORIMĄ OBJEKTĄ





3D Modeling- ContextCapture

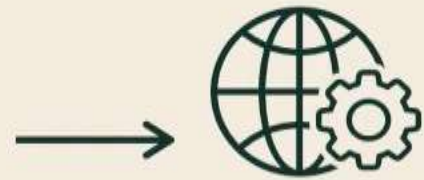


Complete Aerotriangulation (Video)

The Process



Image Survey



Save image data



Third party
software
data processing





B154/1

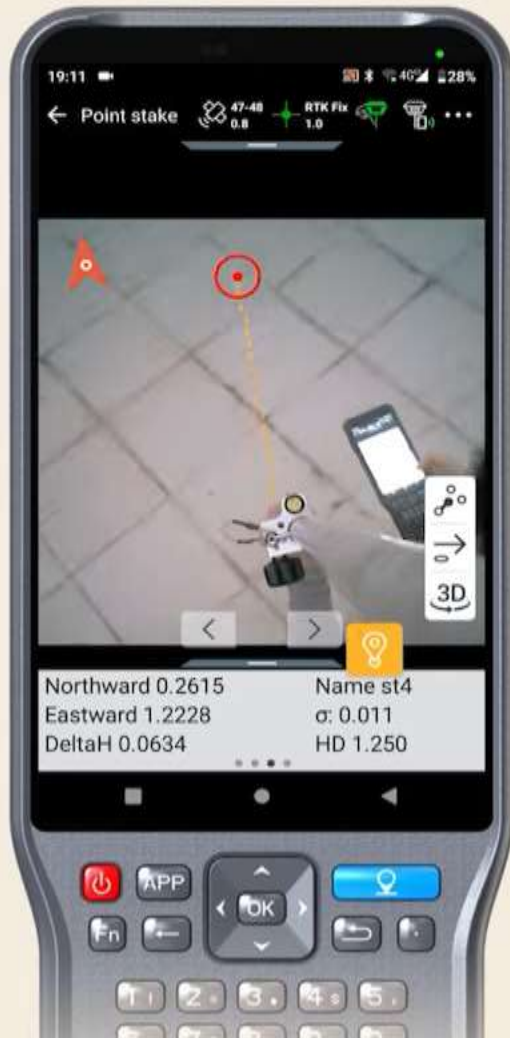
B154/2

D
R
1
0
0

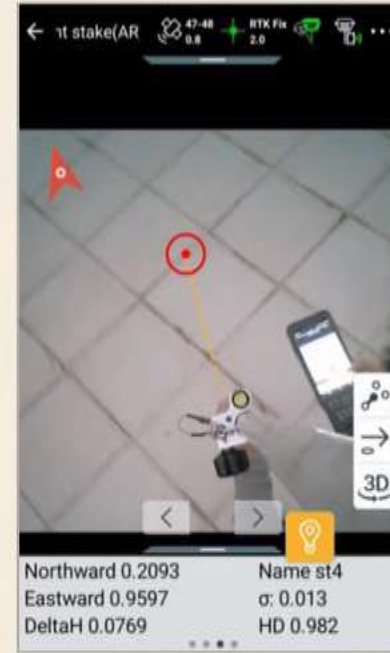
B153

B152

AR Stakeout with Different Cameras



Controller view



Eyr's camera view

Simple to use but efficient
2cm accuracy

>1m

<1m

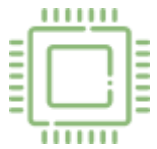
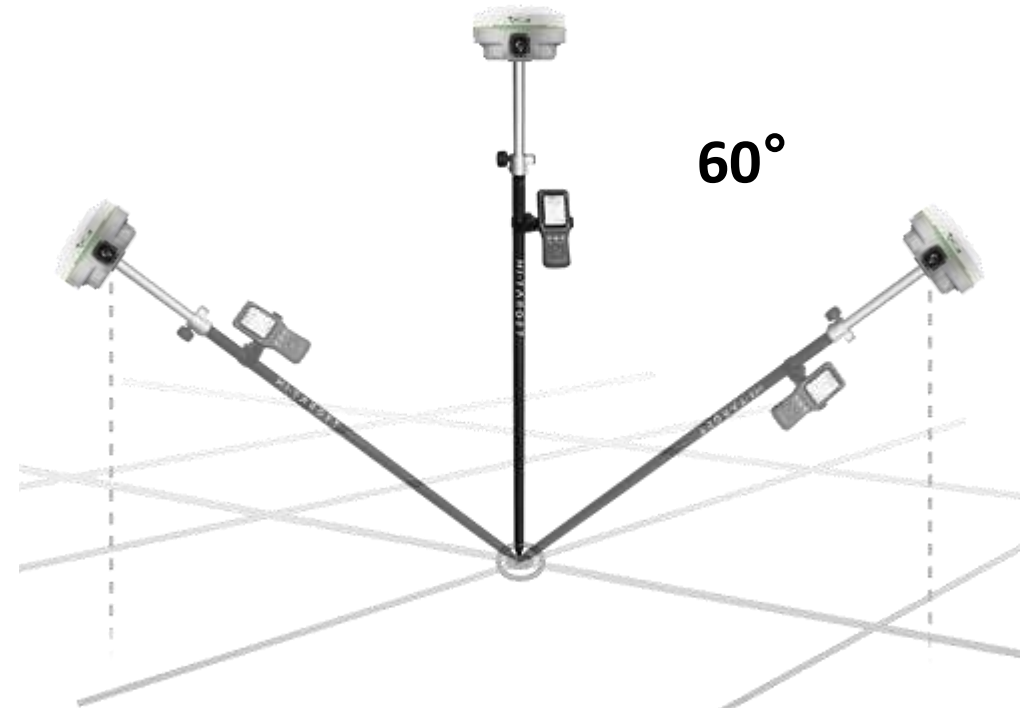
Distance From Stakeout Point





CALIBRATION FREE

IMU



9-axes

IMU sensor



400HZ

Data transfer



Fast

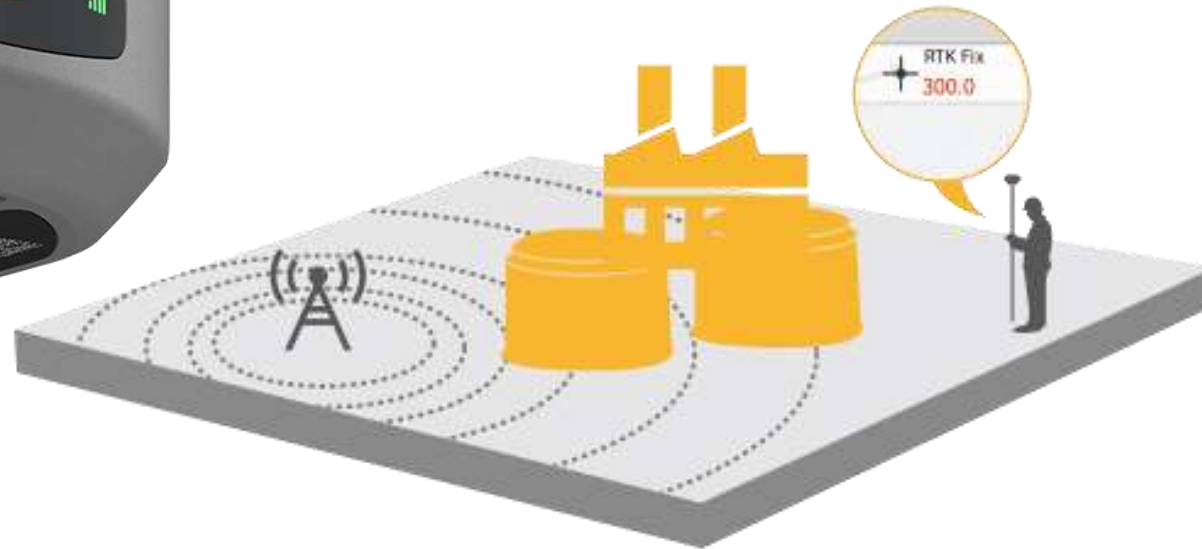
Compensation

HI-FIX TECHNOLOGY



MEASURE WITHOUT INTERNET CONNECTION

UP TO 5 MINUTES



NEWEST GNSS TECHNOLOGIES



Advanced RTK Engine



Multi-Constellation Tracking



Built-in Radio



Web UI



Tilt Compensator



NFC Module



Long Battery Life (> 12 hours)



Compatibility with third-party software



FJD Trion S1 3D LiDAR Scanner





FJD Trion S1 3D LiDAR Scanner



320,000
Points per Second



2cm*
Accuracy



16
Sensors



120 m
Range



Real-Time
Point Cloud



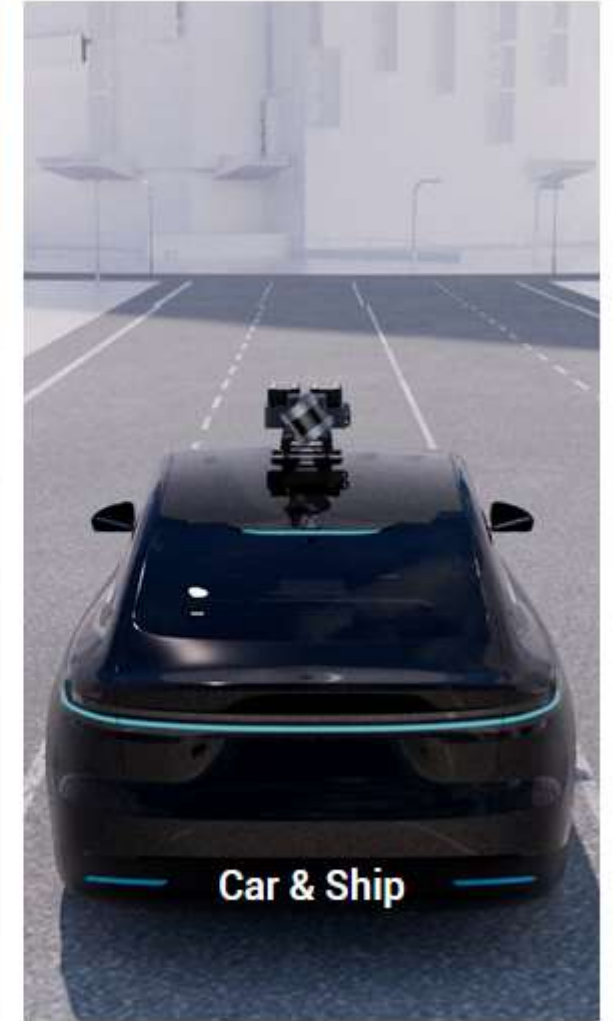
Indoor & Outdoor
Scanning





FJDynamics

FJD Trion S1 3D LiDAR Scanner





FJDynamics

FJD Trion S1 3D LiDAR Scanner





FJDynamics

FJD Trion S1 3D LiDAR Scanner






FJDynamics

FJD Trion S1 3D LiDAR Scanner



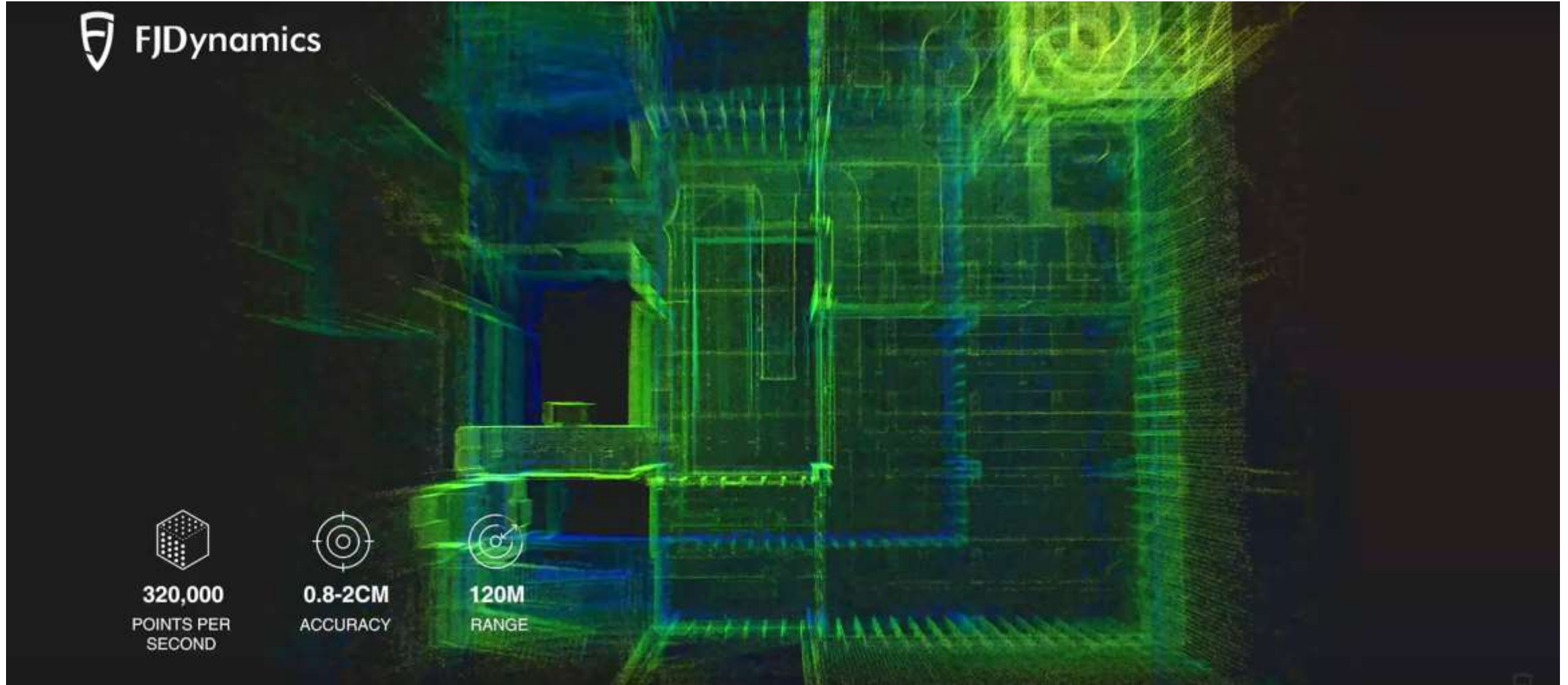
320,000
POINTS PER
SECOND



0.8-2CM
ACCURACY



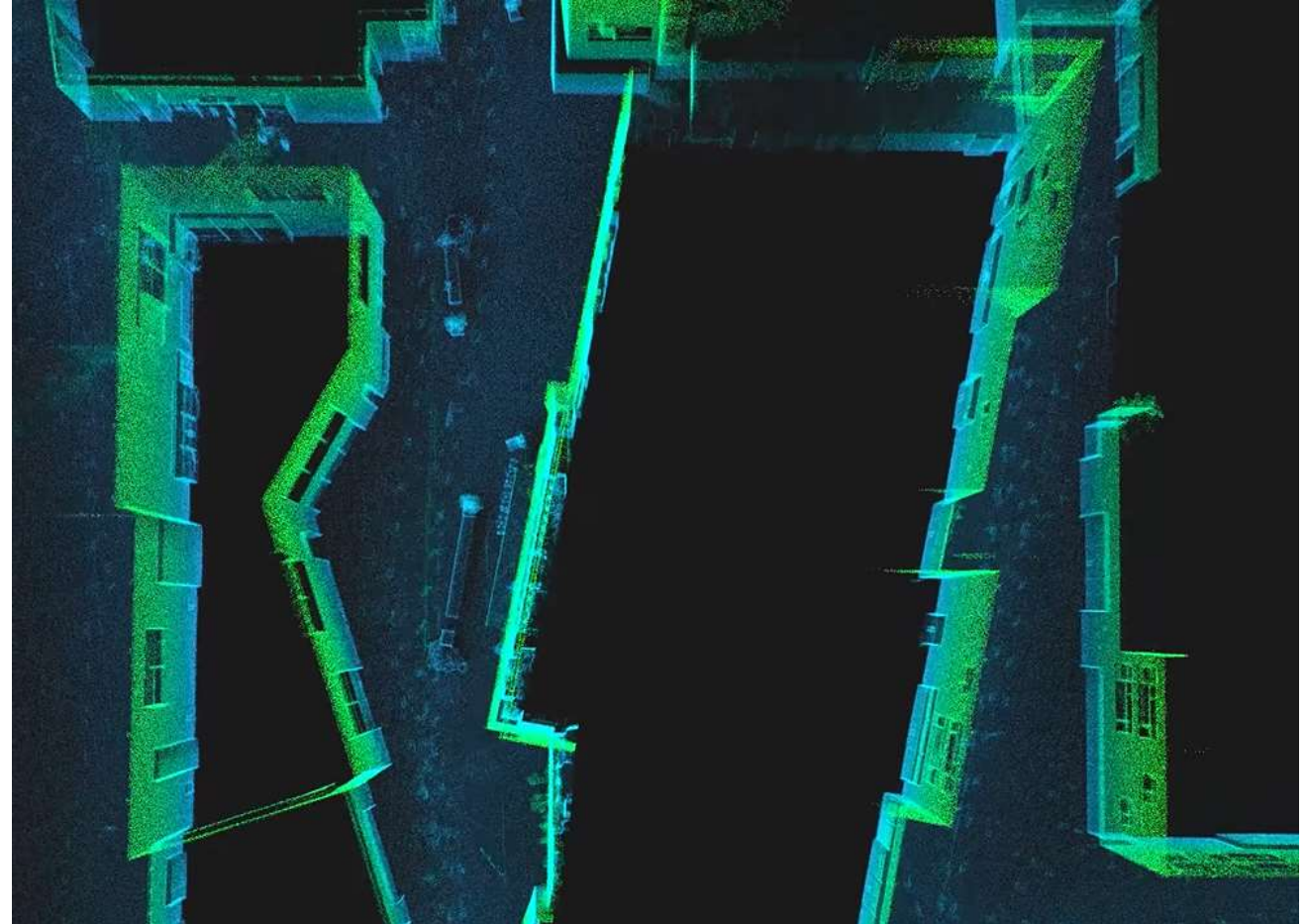
120M
RANGE





FJDynamics

FJD Trion S1 3D LiDAR Scanner



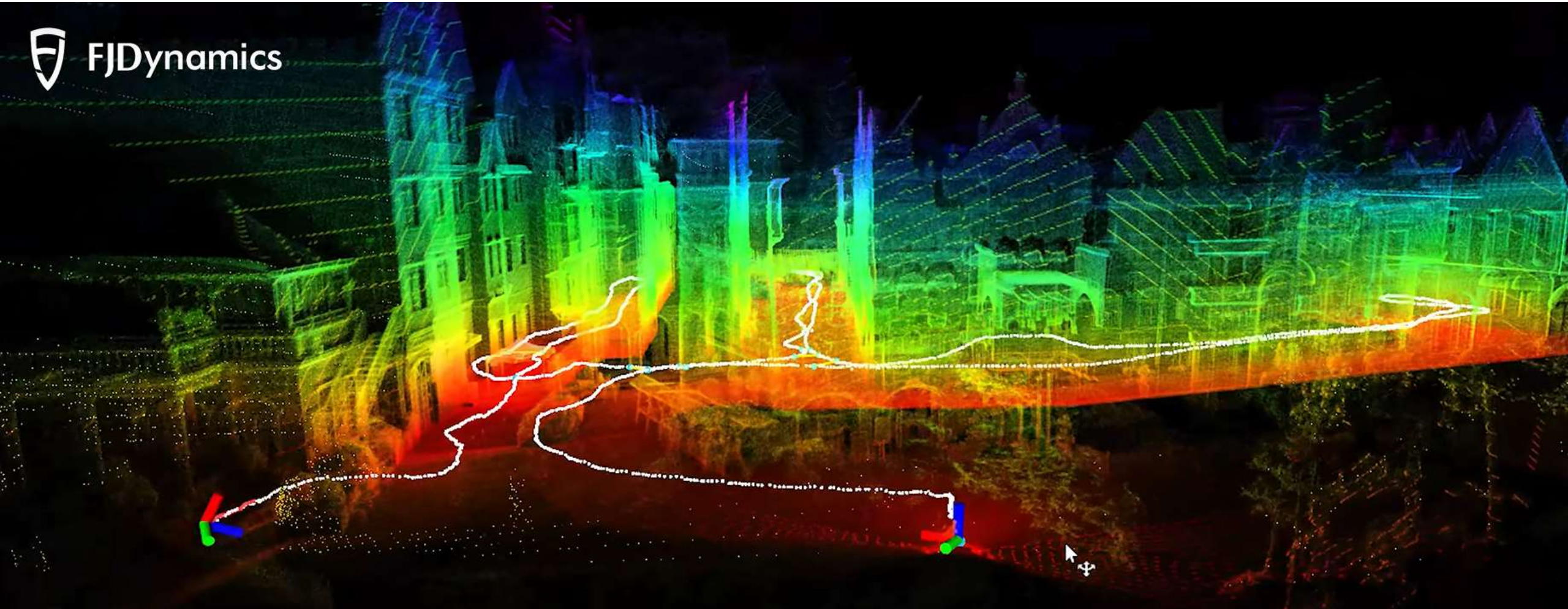


FJDynamics

FJD Trion S1 3D LiDAR Scanner



FJDynamics





FJDynamics

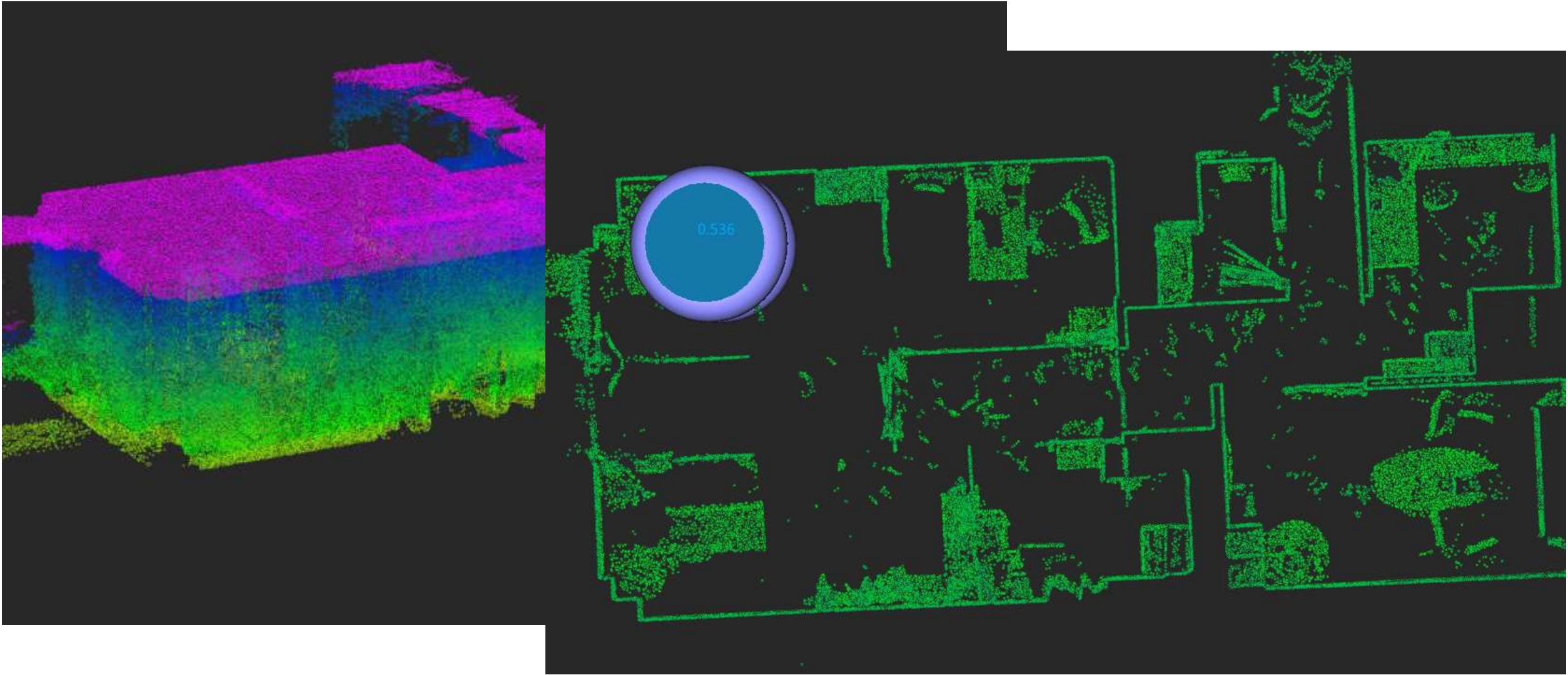
FJD Trion S1 3D LiDAR Scanner





FJDynamics

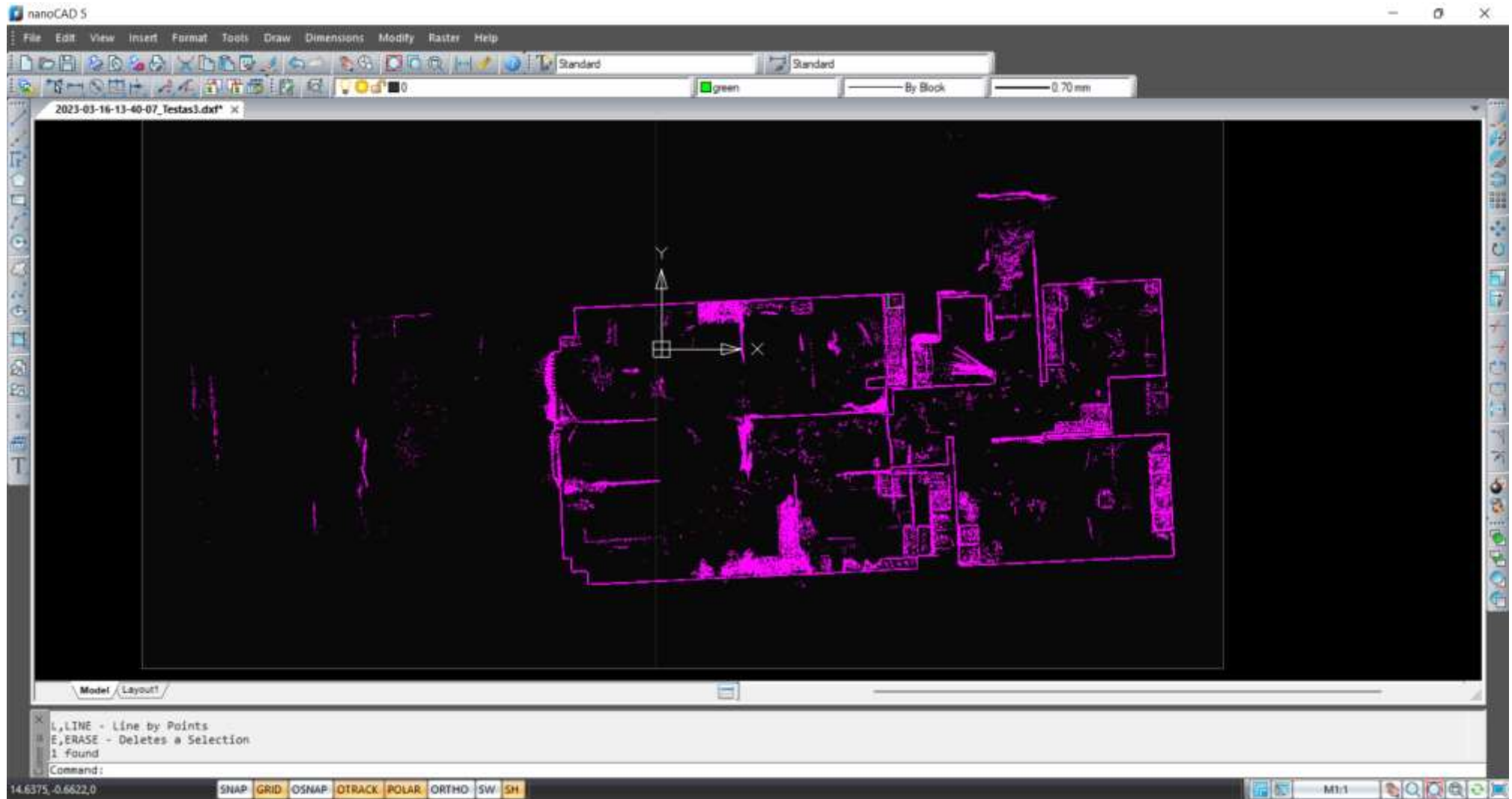
FJD Trion S1 3D LiDAR Scanner





FJDynamics

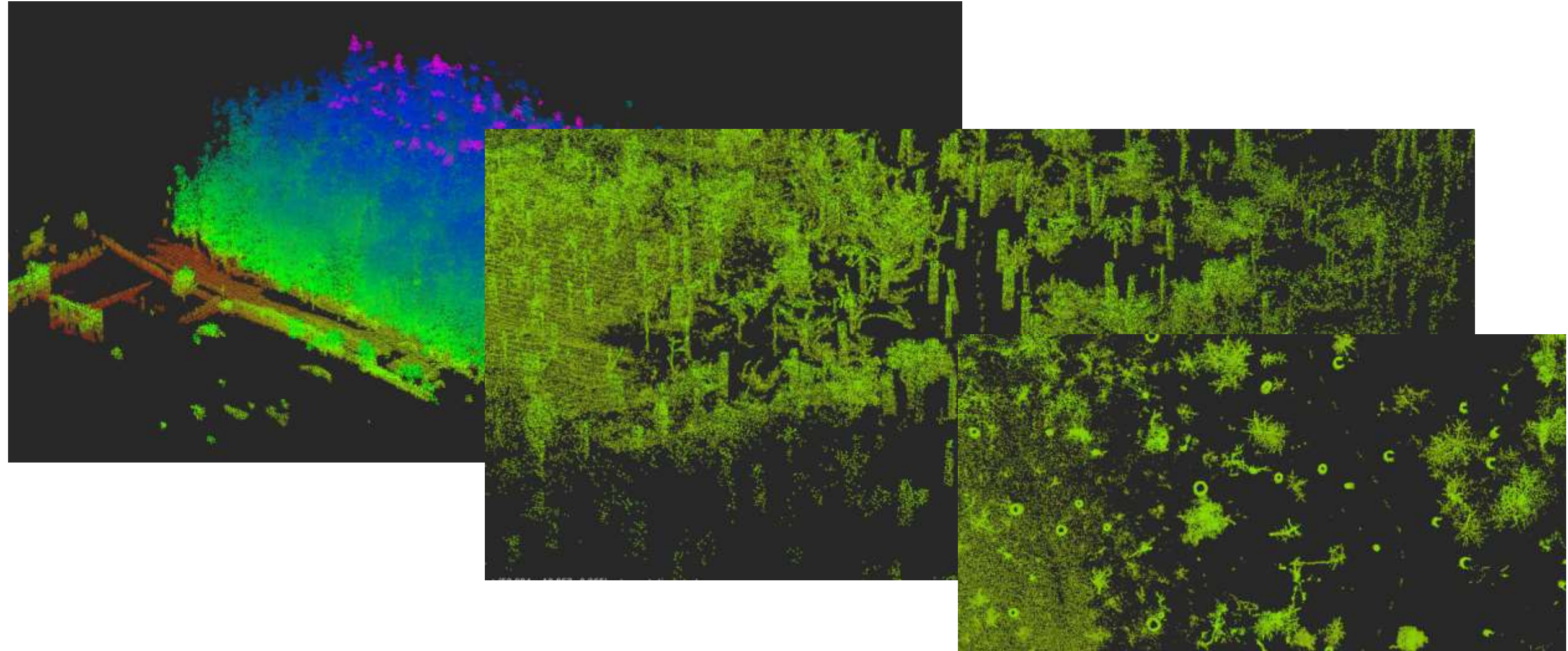
FJD Trion S1 3D LiDAR Scanner





FJDynamics

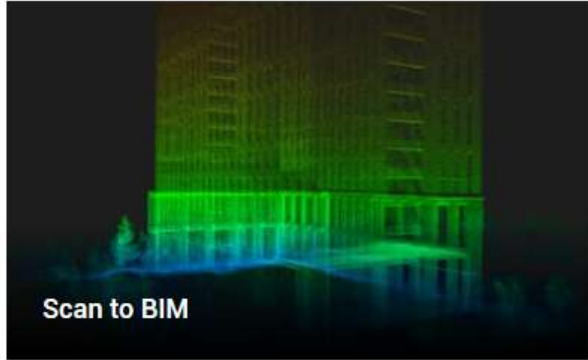
FJD Trion S1 3D LiDAR Scanner



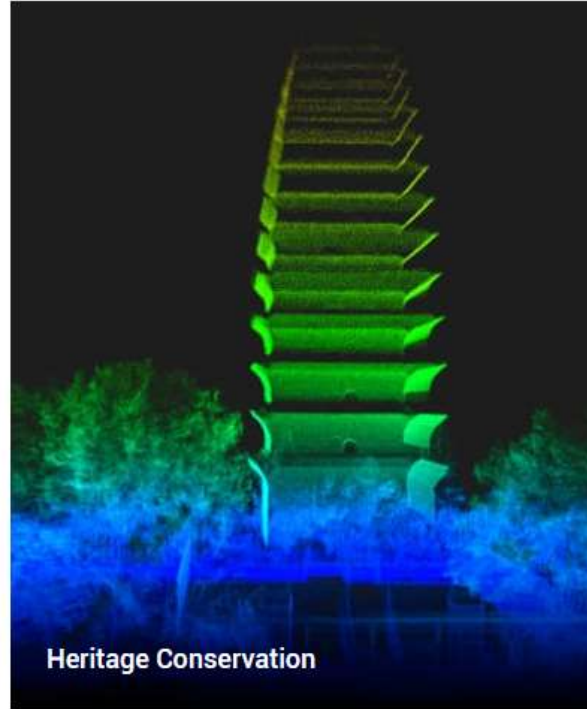


FJDynamics

FJD Trion S1 3D LiDAR Scanner



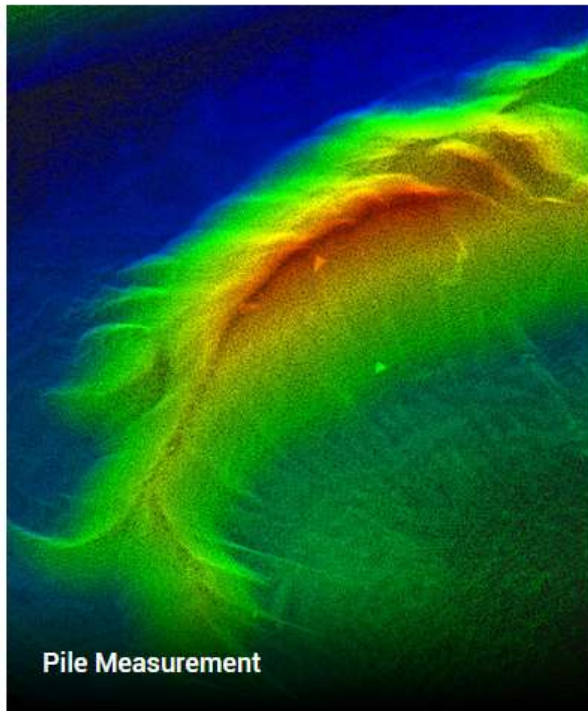
Scan to BIM



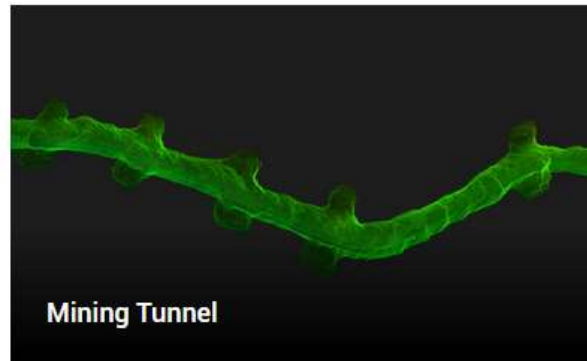
Heritage Conservation



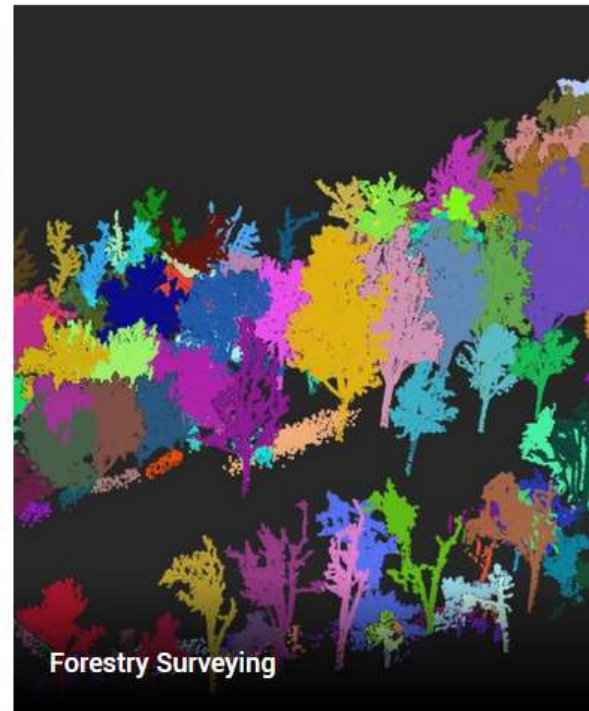
Facility Digitalization



Pile Measurement



Mining Tunnel



Forestry Surveying

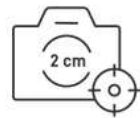


FJDynamics

FJD Trion S1 3D LiDAR Scanner



CAMERA



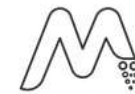
2cm* Relative Accuracy



Real Color Point Cloud



Easy to Disassemble

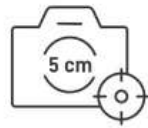


Paired with FJD Trion Model

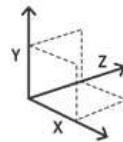


FJDynamics

FJD Trion S1 3D LiDAR Scanner



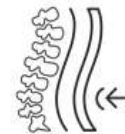
5 cm* Absolute Accuracy



Georeferenced Point Cloud

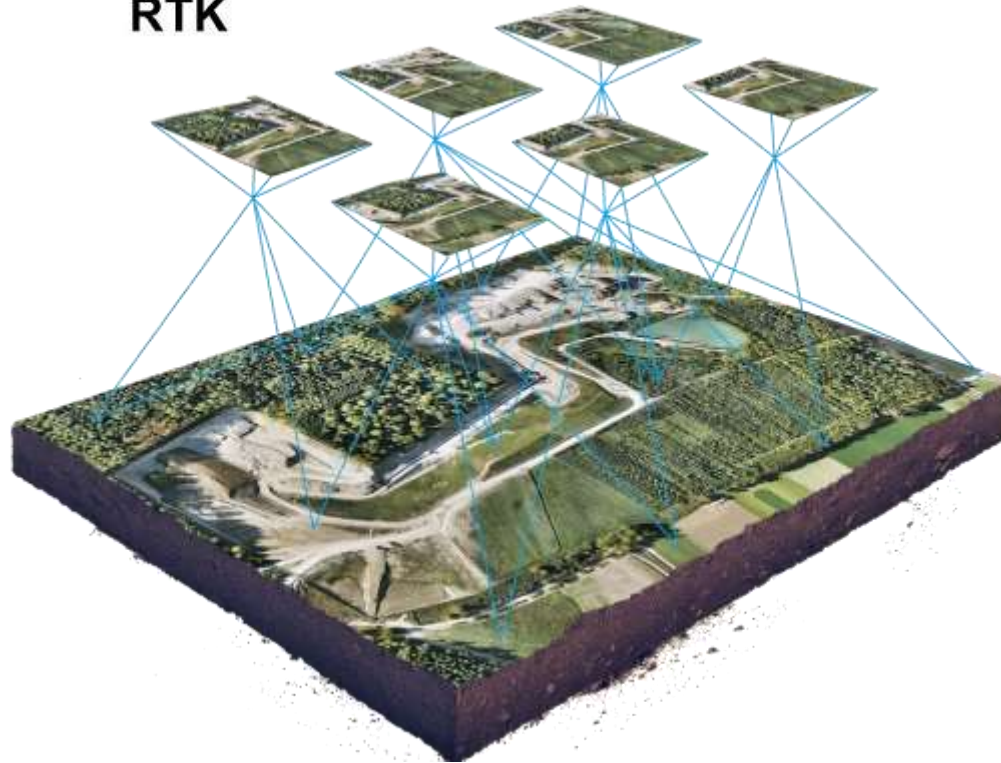


Easy to Disassemble



Ergonomic Design

DRONES



SPECEIFICATIONS:

- 1" CMOS 20MP camera,
- RTK accuracy H=1cm+1ppm (RMS);
V=1.5cm+1ppm (RMS)
GPS+GLONASS+GALILEO+BEIDOU satellite systems
- Maximum flight speed: 20m/sec.
- Maximum take-off altitude: 7000 m above sea level
- The maximum flight duration is up to 38 minutes.
- Wind resistance: up to 12 m/s (takeoff and landing)
- 4Control panel Autel Smart Controller, 7.9" screen

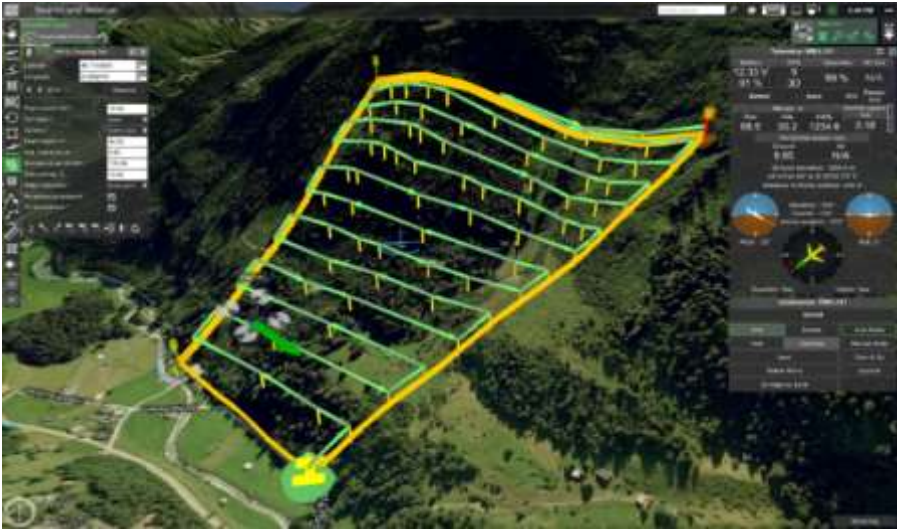
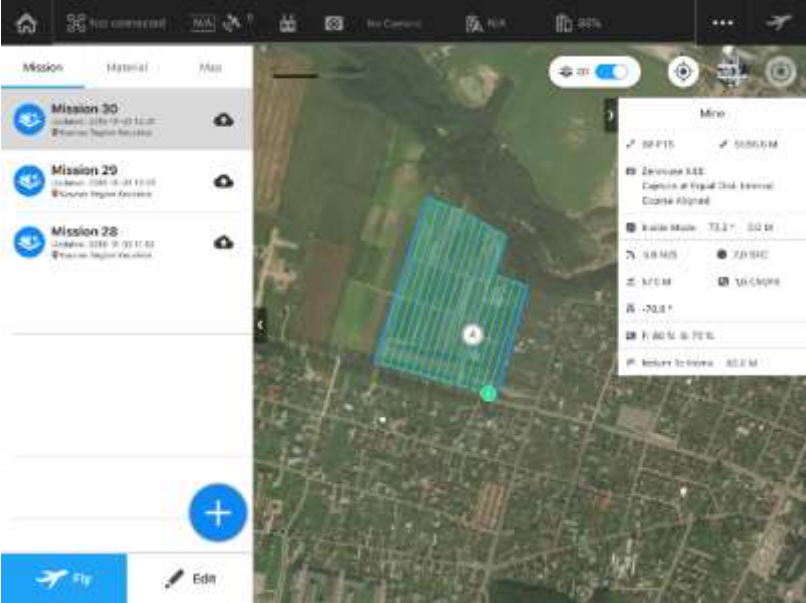
DRONES



AUTEL ROBOTICS
EVO II PRO
RTK



MISSION PLANNING



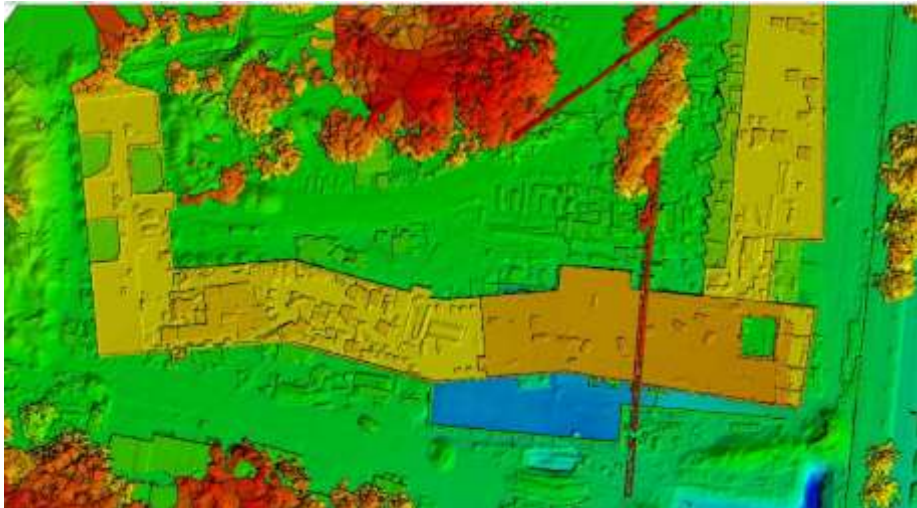
DATA



3D Point Cloud (.las)



Orthophoto map(.tiff)

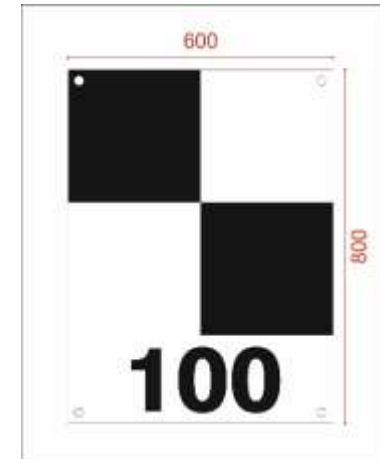


Digital elevation model DSM (.tiff)



3D Mesh model (mesh .obj; .fbx)

GROUND CONTROL POINTS



X,Y,H

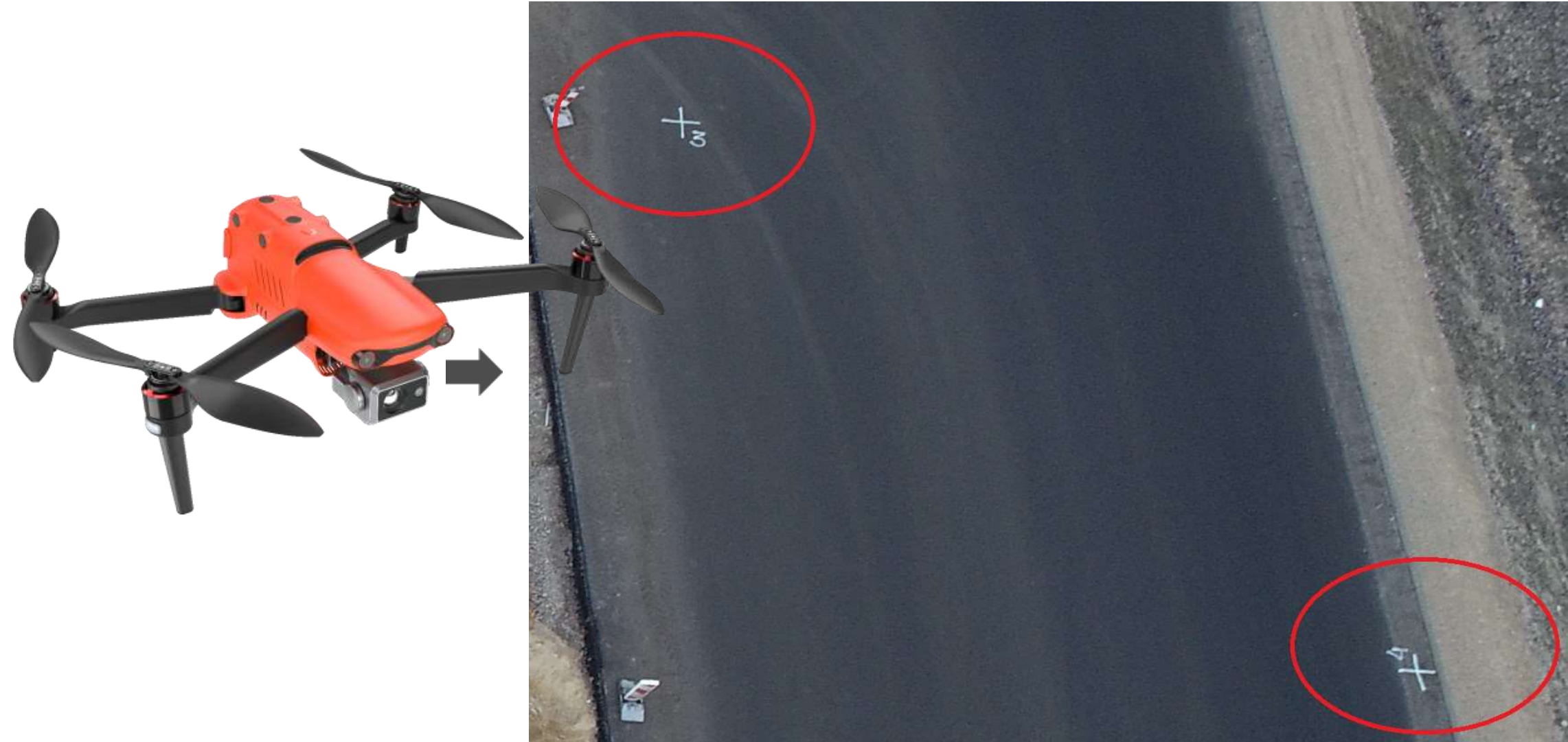


Trig-a-Cap Extra
paint



GCP

GROUND CONTROL POINTS













PALDIES

