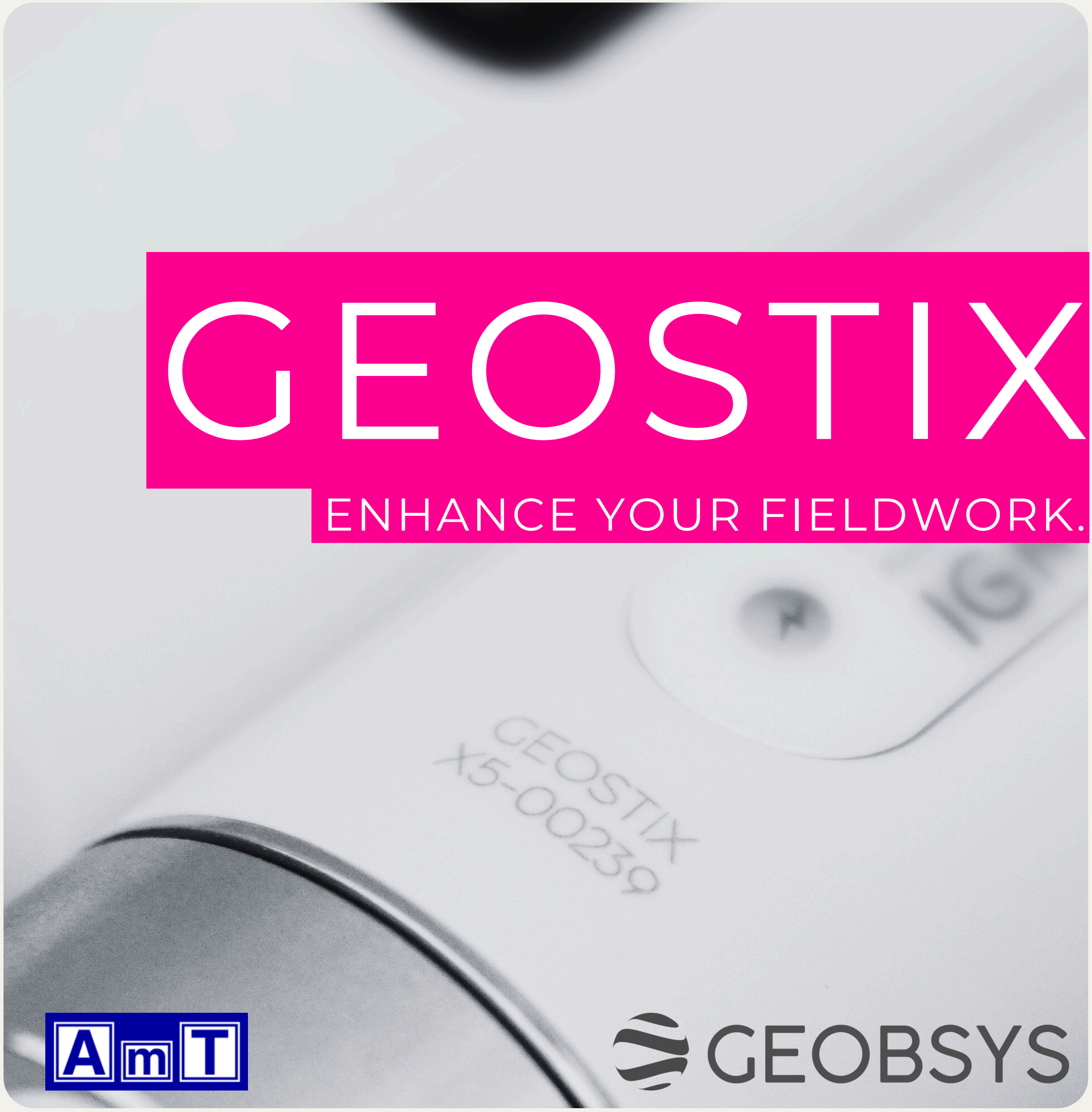
GEOSTIX

ENHANCE YOUR FIELDWORK.



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GEOBSYS

One tool,
endless possibilities.

#01

MODULAR

Easily adapt your equipment to any mission — in just seconds.

Expand your system with sensor modules (strain gauges, inclinometers, temperature, pressure, UV...) or communication modules (4G/LTE, LoRa, long-range RF mesh).

GEOBSYS

Every data point matters, Every measurement is accurate.

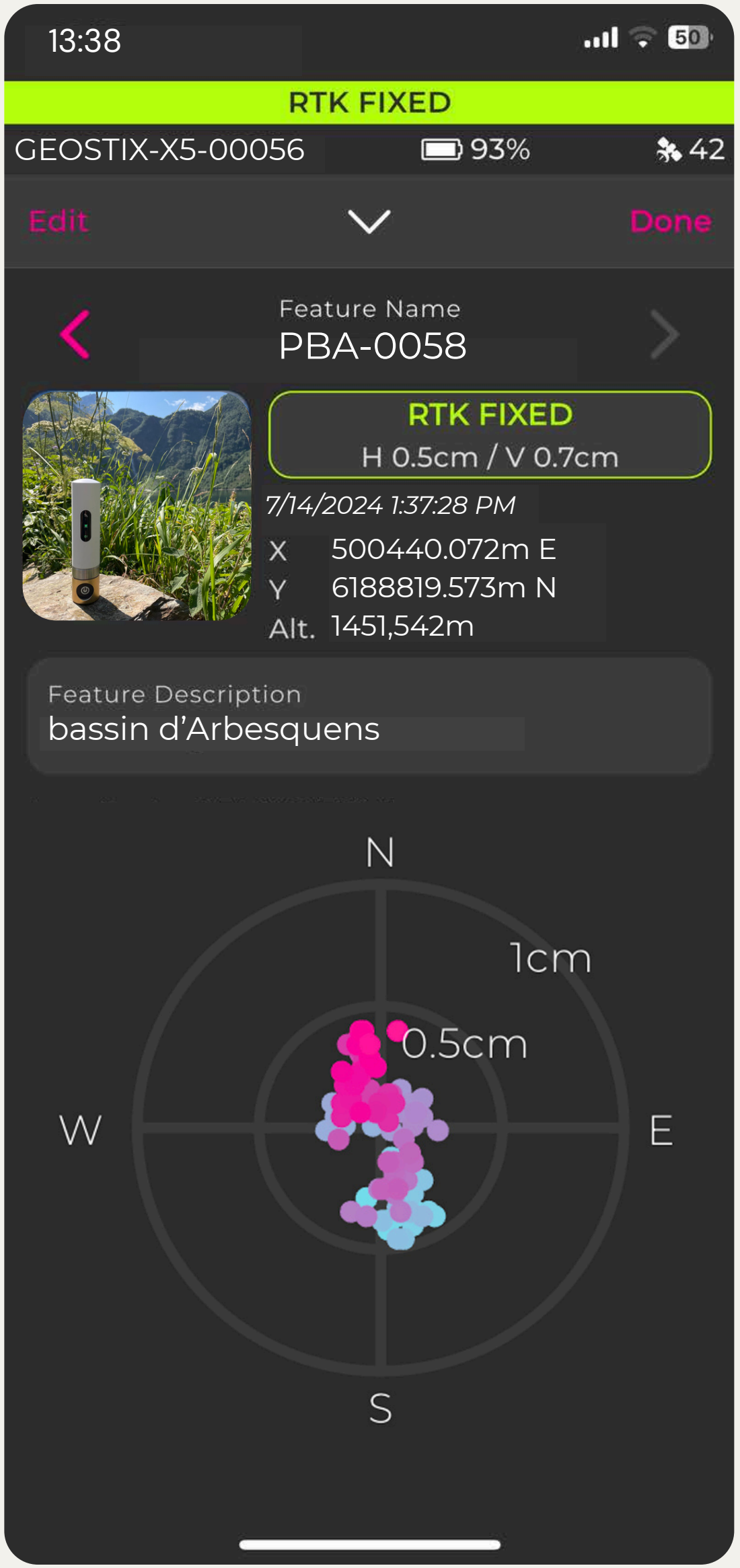
#02

ACCURATE

Reliable measurements with millimeter-level accuracy.

The GEOSTIX-X5 achieves 6 mm horizontal accuracy in RTK mode.

GEOBSYS



The ruggedness you can rely on.

#03

RUGGED

Built to last, even in extreme conditions.

IP68 sealing, O-rings, and a breathable Gore-Tex® membrane. Resistant to water, dust, and the harshest environments.
The GEOSTIX is engineered to withstand accidental drops and rough handling, following the spirit of MIL-STD-810 ruggedness tests.

GEOBSYS

Simplify your field surveys.

#04

SIMPLE

Simple, intuitive by design.

With the free GEOSTIX APP, everything is smooth and intuitive:
just connect your GEOSTIX, select your correction service, choose your coordinate system...
and start collecting data.

GEOBSYS

Custom layers.
Tailored surveys.

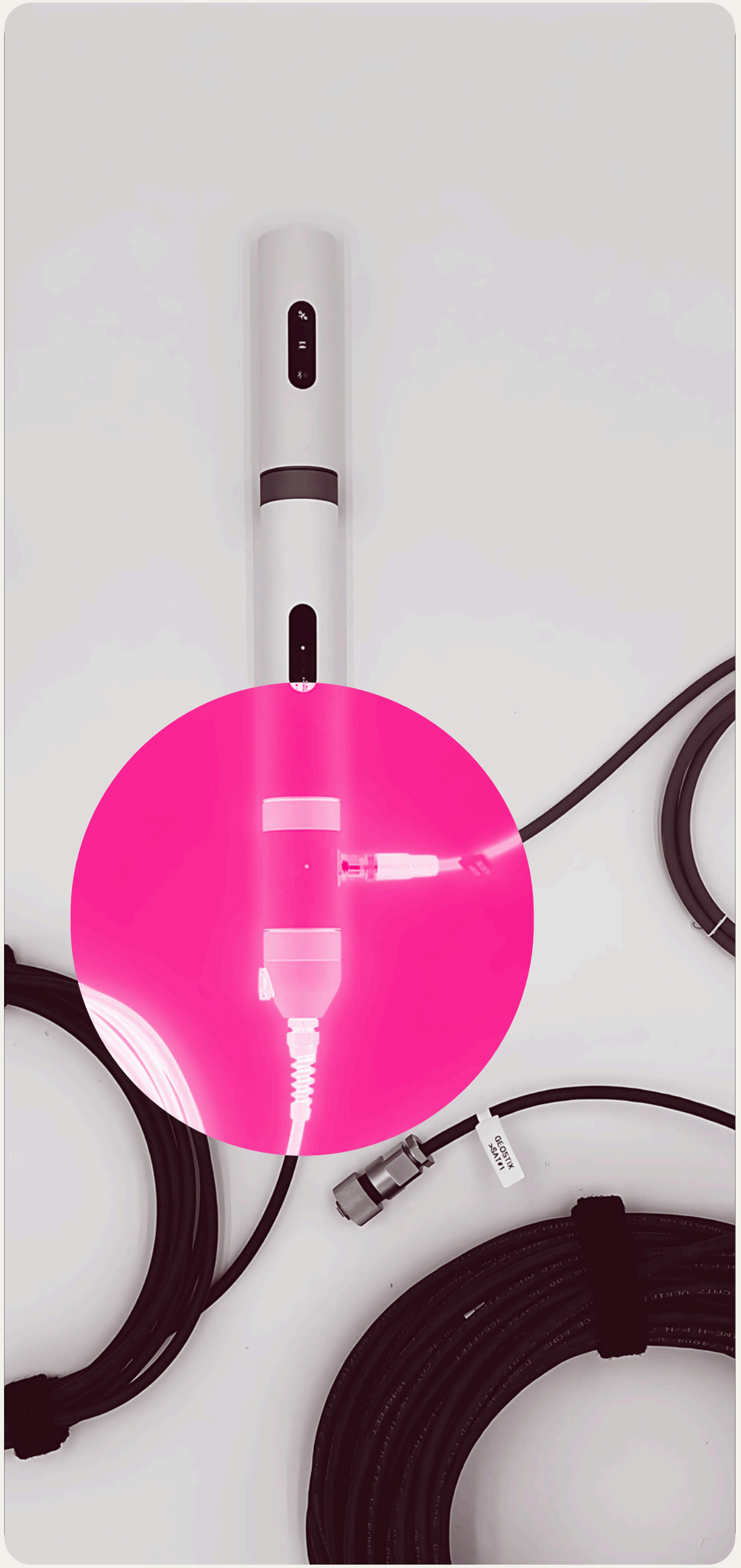
#05

VERSATILE

We create custom sensor layers for your projects.

GEOBSYS designs project-specific sensor layers, so your data collection is always structured, relevant, and ready to use.

GEOBSYS



Interested in
learning more?
Contact us at

inquiry@amtechs.co.jp

we'd be happy to
talk.

AmT

www.amtechs.co.jp

GEOBSYS

		GEOSTIX-U9	GEOSTIX-X5
		Triple frequency	Triple frequency
Navigation update rate		Up to 50 Hz	Up to 100 Hz
Number of channels		1408	448
Signal tracking	GPS GLONASS GALILEO BEIDOU QZSS SBAS L-Band GALILEO-HAS	L1C/A, L2C, L2P(Y), L5 L1CA, L2CA, L2P, L3 CDMA E1, E5a, E5b, E5 AltBoc, E6 B1I, B1C, B2a, B2b, B2I, B3I L1C/A, L2C, L5 L1C/A Hardware ready Yes	L1C/A, L1P(Y), L2C, L2P(Y), L5 L1CA, L2CA, L2P, L3 CDMA E1, E5a, E5b, E5 AltBoc, E6 B1I, B1C, B2a, B2b, B2I, B3I L1C/A, L2C, L5 L1C/A, L5 Hardware ready Hardware ready
POSITION ACCURACY			
Single Point Positioning (RMS)	H / V	1.5 m / 2.5 m	1.2 m / 1.9 m
SBAS (RMS)	H / V	0.8 m / 1.2 m	0.6 m / 0.8 m
DGPS (RMS)	H / V	0.4 m / 0.8 m	0.4 m / 0.7 m
RTK (RMS)	H / V	8 mm + 1 PPM / 15 mm + 1 PPM	6 mm + 0.5 PPM / 10 mm + 1 PPM
PPP (RMS)	H / V	HAS : 20 cm / 40 cm	-
Tilt Measurement		10 mm + 0.7 mm / °tilt (accuracy < 2.5 cm within 30°)	Hardware ready
CONNECTIVITY			
Communication interface		USB, Bluetooth 4.2 (BLE & BR/EDR), Wi-Fi 5	
Input data format		System commands, RTCM v3.x	
Output data format		NMEA, Unicore, RTCM v3.x, RINEX v3.x	NMEA, Septentrio, RTCM v3.x, RINEX v3.x
GENERAL			
Removable storage (µSDCard)		8 GB, up to 32 GB	
Batteries		Internal, LiPo 2600 mAh, 3.7 V, 9.6 Wh	
Autonomy		13 h	8 h
Weight		160 g	