

Ultra-wide band (UWB) technology is a wireless communication technology that transmits data at high speed within a short distance using very low power. It has strong anti-interference performance, high transmission rate, wide bandwidth, low power consumption, small transmission power and highly accurate positioning.

The Hi-target indoor positioning solution provides users with instantaneous position and motion information of personnel and equipment in a given area accurately and in real-time. Users can make informed decisions and intuitively grasp the situation at ease.

Applications



Power Plant / Substation Management



Chemical Factory Management



Pipe Gallery Inspection Management



Detention House Management



Underground Construction Positioning



Railway Station and Airport Navigation



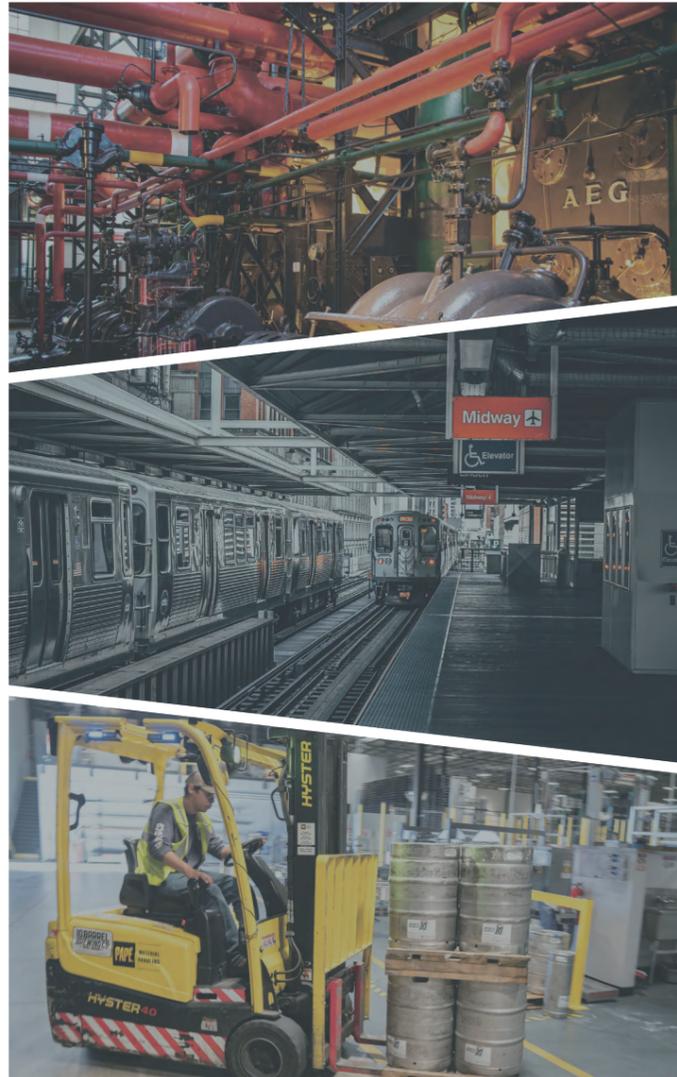
Warehouse and Logistics Management



Emporium Navigation



Sport Training Hotspot Analysis



Indoor Positioning Solution

— Be aware of the value in indoor locators

The Hi-Target indoor positioning solution provides professional real-time indoor positioning using cutting-edge technology based on a combination of smart algorithms and sensors for any kind of indoor environment. Navigating with our high-tech solution which is based on Ultra-wideband (UWB), you can track and analyze the data even if the GNSS signals could not reach.

The solution can be applied in various scenarios that require high positioning accuracy indoors or under certain special areas such as construction, warehouse, factory, plant, railway station, airport, military as-set management, shopping mall, geracomium and hospital, autonomous driving assistance, sports hotspot analyzing, etc..

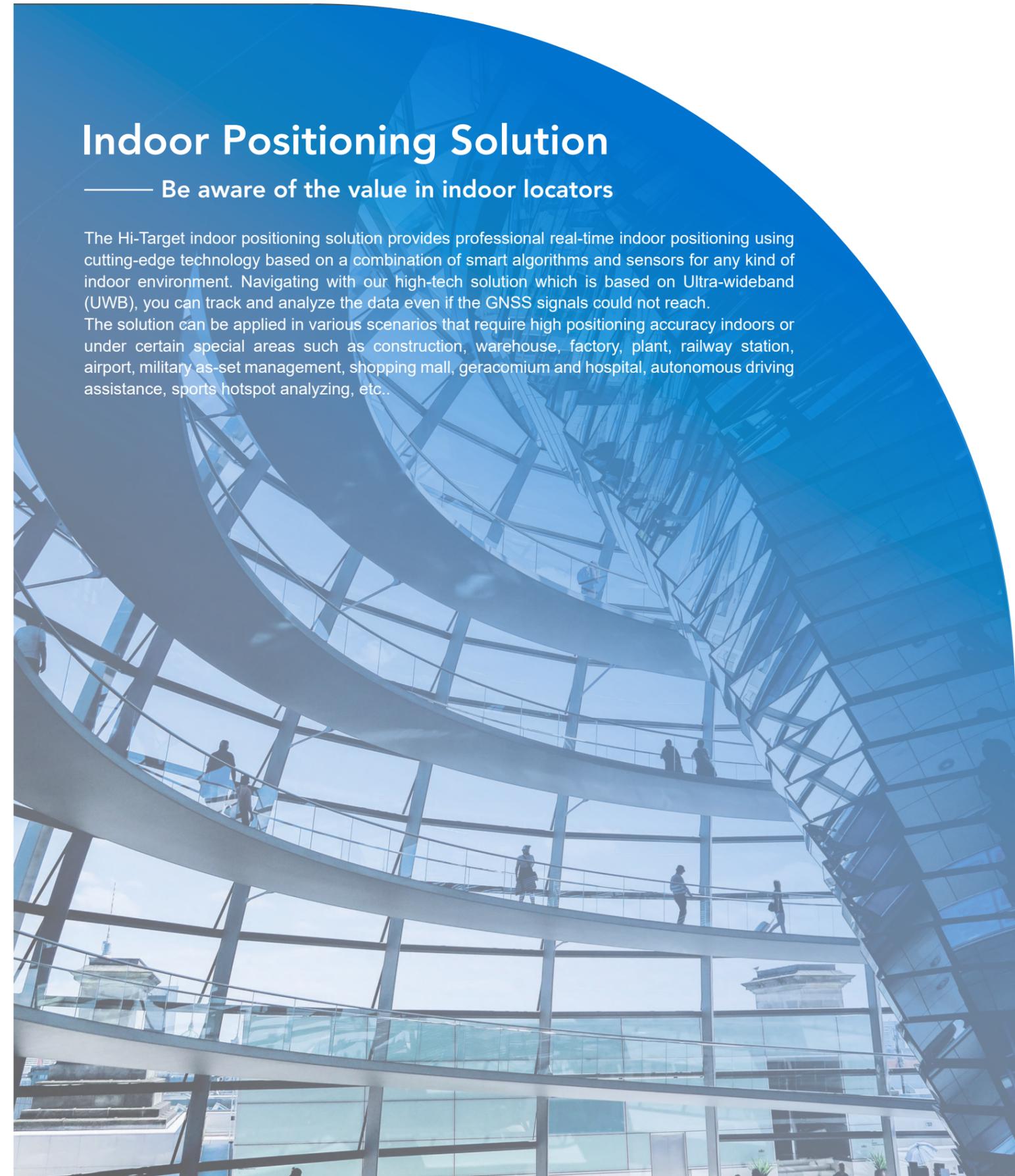


AUTHORIZED DISTRIBUTION PARTNER

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Hi-Target Surveying Instrument Co. Ltd

ADD: Building 13, Tian'An Technology Zone HQ Center, No. 555,
North of Panyu RD, Panyu District, 511400 Guangzhou, China.
www.hi-target.com.cn +86-20-28688296 info@hi-target.com.cn



ANCHOR

Product	Power Consumption	Power Supply	Coverage Distance	Weight	Size	Ingress Protection	Application	Operating Temperature	Storage Temperature
 Minitype U-BASE310	<5W	PoE or DC9~36V	150m	380g	200(d)*60(h)mm	/	Office, factory, warehouse etc.. with nice decoration demands	-20~60 C	-45~80 C
 Water-proof U-BASE 310W	<5W	PoE or DC9~36V	150m	1kg	205*200*100mm	IP66	Outdoors or high humidity environment	-20~60 C	-40~85 C
 Long Range U-BASE320	<5W	PoE or DC9~36V	200m	700g	174*174*70mm	IP66	Outdoors big area, long range situation, pipe gallery, tunnel	-20~60 C	-45~85 C
 Microtype U-BASE330	<5W	PoE or DC9~36V	30m	30g	120(d)*35(h)mm	IP66	Office, factory, warehouse etc.. with nice decoration demands	-20~60 C	-45~85 C
 Explosion-proof U-BASE410	<10W	PoE or DC9~36V	60m	3.5kg	232(d)*82(h)mm	IP65	Gas plant, chemical factory, thermal factory etc.. with explosion risks	-20~60 C	-55~125 C

TAG

Product Specifications

Product	Power Consumption	Charging Method	Battery life	Weight	Size	Ingress Protection	Operating Temperature	Storage Temperature
 Standard U-TAG220	<10mW	Micro USB	5 months/1Hz	21g	57*37*14mm	/	-20~60 C	-45~85 C
 Badge U-TAG230	<10mW	Electrical Contac	4 months/1Hz	35g	85.4*53.4*6.6mm	IP66	-20~60 C	-45~85 C
 Vehicular U-TAG510	<2.5mW <6W	Aviation Plug	/	500g	115*90*68mm	IP65	-20~60 C	-45~85 C
 Wrist/Helmet U-TAG280W	<10mW	Electrical Contact	4 months/1Hz	49g	50*42.5*16mm (band: 260mm)	IP67	-20~60 C	-45~85 C
 Anti-dismantle U-TAG280T	<10mW	Electrical Contac	3 months/1Hz	83g	50*20mm (band: 260mm)	IP66	-20~60 C	-45~85 C
 Explosion-proof U-TAG310	<10mW	Replaceable Alkaline Battery	3 months/1Hz	45g	70*51*19mm	/	-20~60 C	-20~60 C

- Based on IR-UWB technology, which is equivalent to indoor GNSS.
- The optimized algorithm ensures centimeter-level high precision positioning in applications with significant multi-path effects, such as indoors and power stations.
- Has strong resistance ability to multi-path interference, could separate the direct signal from the multipath signal.
- Has less sensitive to the electromagnetic and physical interference from the environment, thus achieve higher accuracy.
- The wireless connection of the self-organizing network makes the system deployment simpler, more stable and more reliable.
- The radiation is extremely small, less than 1% of the radiation from the smartphone.

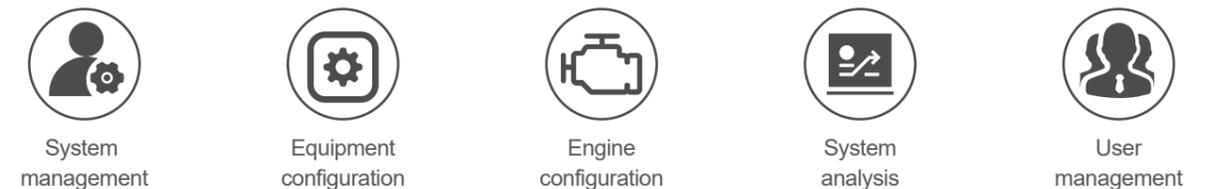
Engine

The engine calculates positioning data sent by the anchors using the high-performance built-in algorithm to get the most accurate positioning results of the target.

WORKFLOW



FUNCTIONS



Platform

The solution platform equips users with a seamless workflow, displaying real-time positioning results to help in making well-informed decisions.

FUNCTIONS

