



Why Join the Trusted Positioning Team?

If you're looking for an opportunity to work on cutting-edge technology while being part of a stable and respected organization, then Trusted Positioning is the place for you. As a TDK Group Company, Trusted Positioning offers the best of both worlds: the stability and resources of a global organization and the innovation and growth opportunities of a cutting-edge tech firm. TDK is a recognized leader in digital and energy transformation, as evidenced by its inclusion in the Clarivate Top 100 Global Innovator™ list for 2022. Join us and be part of something big!

Innovative technology at your fingertips

As an employee of TDK, you will have access to the latest and most advanced digital and energy transformation technologies, and the opportunity to shape the future.

Invested in your professional growth

Whether you are a trainee, career beginner, seasoned specialist or experienced manager, you will find career opportunities suited specifically to you at TDK. You and your supervisor will work together to plan your professional development, enhancing your skills and adding to your wealth of experience.

A stable and reputable company

TDK is rooted in over 80 years of history growing out of Japan into a global organization. We are a proud melting pot of innovation and cultures after having successfully integrated a substantial number of employees in the last 20 years. As of March 2022, we are nearly 117,000 employees at 250 sites for R&D, manufacturing and sales in over 30 countries.



WHO IS TRUSTED POSITIONING?

TDK's Trusted Positioning business unit is formed from a world class team of innovators that have been solving some of the most difficult positioning problems for decades. The team, located in Calgary, Canada is comprised of experts in inertial navigation, dynamic motion mechanics, geomagnetic positioning, GNSS, BLE, Wi-Fi and other wireless positioning techniques.

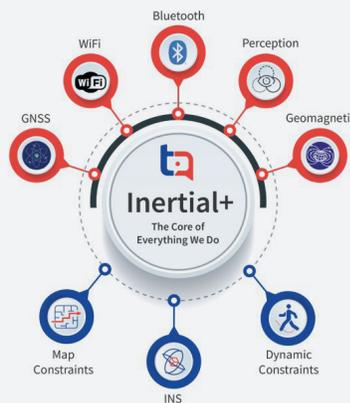
Their TRACK and RIDE software runs on the customer's processor to provide automotive and 2 wheeled vehicle positioning in GNSS-challenged areas. The new AUTO product improves on TRACK to provide 10x accuracy improvement and optional perception sensors for full time decimeter positioning. VENUE is a complete SaaS solution for indoor positioning in offices, factories and warehouses of people, assets and vehicles.

INERTIAL+: THE CORE OF EVERYTHING WE DO

Inertial sensors are the backbone of all our technology solutions because they are the only always-on positioning sensors. Continuous and reliable, these systems provide positioning information everywhere. These sensors, combined with other absolute sources, such as geomagnetic or wireless signals, provide accurate and affordable positioning in all environments.

Not one single location technology can provide accurate and reliable location information in all environments; therefore, we gather data from all available sources to filter out erroneous measurements and determine the most accurate position.

Regardless of the application or use case, our objective is to enable high quality positioning performance at a price feasible for large scale implementation.



PRIMARY APPLICATIONS

- Automotive**
Enhanced navigation through tunnels or other GNSS challenged areas (i.e. urban centers, underground parking structures, etc.)
- Micromobility**
Solves improper parking by allowing users to drop off eScooters or eBikes in an appropriate location and orientation.
- Manufacturing & Warehouse Logistics**
Improved safety and efficiency through indoor tracking of assets, machines, and people.
- Fleet Tracking**
Pay-for-use licensing model avoids upfront capital costs and allows licenses to be added or removed at any time.

PRODUCTS

TRACK

Dead Reckoning Inertial Positioning Software for 4 Wheeled Vehicles

Automotive position and orientation monitoring in poor or non-GNSS environments

Great for fleet tracking, telematics, navigation head units and GNSS DR modules

Continuous and reliable positioning at scalable cost

Configurable and tunable for different GNSS receivers and sensors

RIDE

Inertial + GNSS Positioning Software for 2 Wheeled Micromobility Platforms

eScooter and eBike positioning and orientation monitoring in poor GNSS environments

Gives parking orientation (heading accuracy) for organized dockless parking

Improved drop-off and pick-up location accuracy

Continuous tracking with GNSS off for low power draws until movement detected

AUTO

Autonomy Solution for Vehicles & Robots

Always-on positioning for safety and integrity: INS technology is always-on in the background when other positioning sensors fail and perception sensors like imaging radar works in all environments

High accuracy in GNSS-Challenged environments: Decimeter-level accuracy and high-rate position updates due to tight integration of inertial and perception sensor inputs even when GNSS is unavailable.

VENUE

Real-Time Indoor Positioning and Analytics Service

The optimal solution to balance cost and performance for large venues

Track workforce, assets, and machines within indoor facilities

Optimize safety and efficiency for workplaces

Asset/material tracking on-site for improved logistics and process efficiency

