

***INSAIT* KS**
PERFORMANCE
TRACKING
SOLUTION



INSAIT KS

INSAIT KS system is a revolutionised all-in-one wearable performance tracking solution to track and analyse player and team **physical**, **tactical** and **technical** performance in one system.



ALL-IN-ONE

For the first time in history, coaches are able to monitor physical, tactical and technical performance of football players and the team – in one system – with live trajectory and data that records and interprets every detail on the field.



ACCURACY

The use of Ultra-wide Band technology allows INSAIT KS to record every action on the field with positioning accuracy down to 10cm – better than any existing GPS solutions, thus ensuring precision and reliability of performance data.



EASY-TO-USE

INSAIT KS works both indoor and outdoor and in all weather conditions. A portable version can be set up in 5 to 10 mins – allowing to be carried and used in different venues, while a fix-installed version for instant boost is also available.



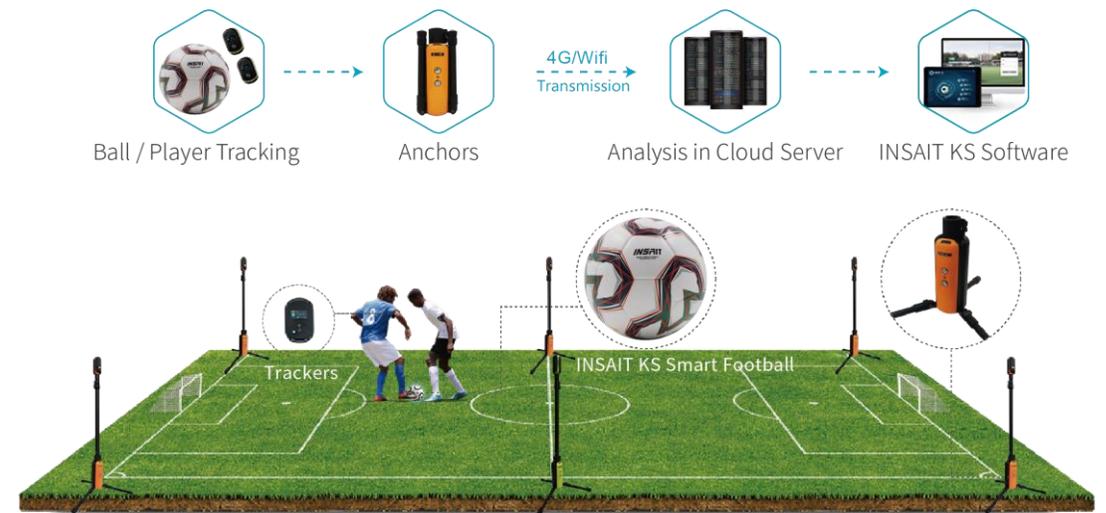
DESIGNED FOR FOOTBALL

Our exclusive and patent-protected **INSAIT KS Smart Football** integrates ultra-light UWB positioning sensors and wireless recharging technology – meanwhile leaving the roll and flight characteristics of the ball unchanged.

Pass completion, passes forward, passing patterns, shooting accuracy, dribbling speed, tackles and interceptions...Now live ball tracking and technical analysis in matchday or training situations are made possible – with positioning accuracy down to centimetres.

POSITIONING ACCURACY

The use of Ultra-wide Band (UWB) technology allows INSAIT KS to track every action on the field with positioning accuracy down to **10cm** and sample rate up to **20Hz**, providing the most reliable live player & ball data for both indoor and outdoor premises and in all weather conditions.





HEARTRATE INTEGRATION

INSAIT KS Tracker integrates world-class optical heartrate sensors alongside UWB positioning modules to make heartrate monitoring comfortable for players and efficient for coaches.

It comes in a size of **63mm × 40mm × 16mm** and weights only **35 grams** – the smallest / lightest but most powerful wearable devices in the world.

LIVE TRACKING

INSAIT KS provides **live data** on tactical, technical and biometrical performance with **real-time formation** from an overhead view – for both training sessions and matchday – to empower coaches to make critical decisions about tactics, performance, workload, risk, and return to play.

Biometrics	External Loads	Tactical & Technical
Physical Load	Distance covered	Formation
Heart Rate	Speed Zones	Heatmap
HR-Speed	Intensive runs & distance	Pass completion
HR Zones	Acceleration & deceleration	Dribbling speed
VO2 Max	IMA	Shooting accuracy
Calorie	Running distribution	Active zones
...	...	Attack size
		...



IN-DEPTH ANALYSIS

INSAIT KS provides post-session reports in various forms with **270+ attributes** and in-depth analysis that reveals every aspect of the game.

BIOMETRICS

Physical load, intensity, heart rate distribution, VO2 max and calorie are measured by Player Trackers. These attributes reflect player's physical conditions and thus can be used for preventing injury from fatigue.



TACTICS

Average formation, possession, active zones, attacking sides, heat maps... These valuable tactical attributes are measured and presented live from an overhead view, with accuracy to the centimetre – thanks to the UWB technology.

EXTERNAL LOADS

Distance covered, speed zones, intensive run intervals, acceleration, deceleration, etc. These attributes – together with biometrics – reflect player movement and is crucial to injury prevention or training optimisation.



TECHNIQUE

Passing, shooting, tackling, goals... With the use of INSAIT KS Smart Football, technical analysis are made possible – e.g. replay why the team conceded a goal with Goal Events, or analyse player's passing patterns.

ANALYTICAL TOOLS

Instructive analytical tools that facilitates performance analysis and player communication.



Review matchday or training day highlights with **Replay**



Track formation compactness with **Team Compactness**



See how team made or conceded a goal with **Goal Events**



Instruct your players with **Tactic Board**

The background of the entire page is a dark, high-contrast photograph of a row of athletic shoes. The shoes are primarily black with bright green accents on the sides and soles. They are arranged in a perspective that recedes into the distance, creating a sense of depth. The lighting is dramatic, highlighting the textures and colors of the shoes against a dark background.

ABOUT GENGEE

Since 2014, we are dedicated to integrate sports with innovation and technology to facilitate athlete development and sports engagement.

WHY GENGEE ?



VISION

We possess over 130+ patents, including 47 for INSAIT KS – the only all-in-one solution in the world that tracks and analyses both physical and tactical performance. With our ambitious R&D, we are committed to helping players and organisations unlock their potential.



TECHNOLOGY

We seamlessly integrate cutting-edge technology – such as centimetre-level Ultra-wide band (UWB) positioning – into sports monitoring and other applications to push performance to new heights.



INNOVATION

We aim to shape the future of sports with innovation. With innovative smart equipment and gamified mobile app, we turn football and basketball training into immersive entertainment – offering everyone an experience unlike any other.

OUR INNOVATION

Our innovative solutions facilitate clubs and coaches to perform player and team analysis with valuable and reliable data or video-based contents.



INSAIT KS system

All-in-one performance tracking solution designed for football
 10cm positioning accuracy with UWB technology
 Works both indoor and outdoor in all weather conditions
 Comprehensive analysis on tactics, technique and biometrics



EasyCapture Video Analysis Solution

Designed for video analysis demand for various sports
 Record with phone or tablet without complex setup and cameramen
 Tag and clip video contents right away with a simple click on the Smart Pen
 Analyse with auto-generated event highlights and a powerful platform

OUR INNOVATION

Our INSAIT JOY products aim to bring fun and enjoyment to sports participants across all ages with interactive, gamified experiences.



INSAIT Joy smart football

Connect to the interactive INSAIT JOY app and start individual training. Learn and refine footwork with guided and gamified workouts that can be done anywhere at any time, with minimum space available.



INSAIT Joy smart shin guards

A pair of shin guards that deliver an insight of performance with AI-powered algorithm. Sync with INSAIT JOY app to view a session report with 16 metrics on Speed, Explosiveness, Stamina, Power and Foot Balance.



INSAIT Joy smart basketball

Connect to Joy Basketball app and start interactive and gamified basketball training. Refine shooting and dribbling skills with guided workouts, or have fun with the fascinating hit-the-beat and superstar challenges.

PROVEN AND TRUSTED

We are proven and trusted by players and sports organisations from all levels across the world



Over 50 European football teams – from top-division to semi-pro/amateur-divisions – choose INSAIT KS as performance analysis solution for youth teams.

Sparta Rotterdam FC U17, the Netherlands



Leagues, competitions and smart football arena operators choose INSAIT KS to create an AI-powered matchday experience unlike any other for players and teams.

2020 China Audi Cup grassroots competition



INSAIT KS is the official data service solution for the 2017 – 2020 CFA National Youth Super League – the highest level professional youth competition in China organised by the CFA.

CFA National Youth Super League U14 Final

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EasyCapture enables video analysts in football clubs to record using tablets or phones and to analyse during the game with a simple click on the Smart Pen.

14 AUG 2022, NK Osijek 2:2 NK Varaždin
SuperSport HNL (Croatia 1st division)



Dutch Women's 3x3 National Olympics Team using INSAIT Pro solutions for the preparation of Tokyo Olympics. Coaches were able to track fitness conditions during different stages of preparation.

Dutch Women's 3x3 National Olympics Team



Smart football arena, training facilities and data tracking service providers using INSAIT KS to help athletes and teams unleash their potential.

Smart football arena in Selangor, Malaysia

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Being the 2023 Best Amateur Club in the Netherlands, and the partner club of Eredivisie giant Feyenoord, Alphense Boys FC is famous for its influence in the Central and Western Netherlands, as well as the vital role it plays in the Dutch football pyramid for developing young football talents. They choose INSAIT KS system as the ultimate solution to track their squads.

“This collaboration offers us many opportunities to make our players and coaches better based on objective and advanced data, insights, knowledge, technology and software applications... During the matches measured with the INSAIT KS LPM system with smart ball technology, unique data is released about passes, dribbles, interceptions, goal chances, field occupancy, etc. All our trainers were unanimously enthusiastic about the results and the collaboration.”

— Technical director at Alphense Boys FC.

TRANSFORMING SPORTS WITH TECHNOLOGY

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