KINEXON

REAL-TIME PERFORMANCE ANALYTICS

Precise. Simple. Smart.

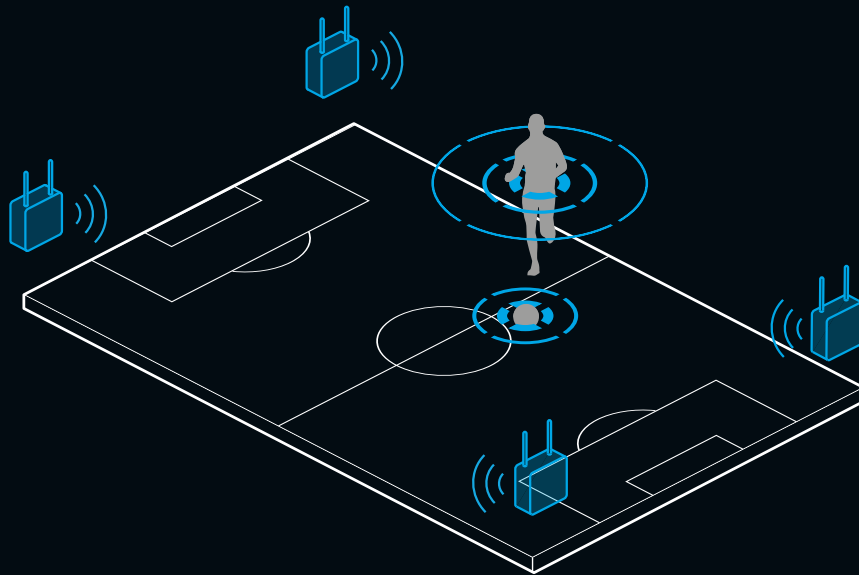Acceleration |||||||||||||| **3,8 m/s²**

Distance |||||||||||||| **6,5 mi**

16
mph

MAX SPEED

Heart Rate |||||||||||||| **143 bpm**

Fitness Level |||||||||||||| **82 %**

Max. Ballspeed |||||||||||| **71 mph**

47

PASSES

Distance |||||||||||| **12 mi**

CUTTING-EDGE RADIO TECHNOLOGY
Measure and analyse accurate data in real-time.

A holistic system consisting of sensors and software, which measures, analyses and thus improves the performance of teams with regard to fitness and tactics. Hereby, KINEXON offers an unrivalled radio frequency tracking technology for indoor and outdoor use that locates athletes with centimetre-accuracy and analyses performance in real-time.

PRECISE
- Precise position data: accuracy within 10 cm
- 3D acceleration, orientation & rotation data
- High update rate for player and ball tracking
- Sophisticated speed, acceleration and load statistics

SIMPLE
- Intuitive and clean web application platform
- Easy setup and no cable-based infrastructure
- Portable and mobile solution

SMART
- Seamless connectivity to additional sensors (e.g. heart rate)
- Video integration and import of scouting data
- Import and export tools (e.g. csv or PDF files)
- Profound analysis of fitness and tactics

KINEXON COACHING COCKPIT
Holistic analysis of athletic & tactical performance data in training and game.

FITNESS

✔ Performance & Load Management
✔ Injury Prevention
✔ Return to Play

TACTICS

✔ Interactive Tactics Board
✔ Video Synchronisation
✔ Tactical Analysis & Ball Tracking

Fitness Cockpit

PERFORMANCE & LOAD MANAGEMENT

Intuitive documentation of training data in real-time.

- Intelligent training management by monitoring target achievement for training sessions
- Individual milestones for player-specific analyses
- Position-specific peer comparisons
- Integration of heart rate analyses

INJURY PREVENTION

Individual analysis of load and stress leading to a more intelligent way of training management.

- Digital consolidation of load (external) and stress (internal) data
- Individualisation of player profiles by measuring and analysing individual thresholds
- Holistic stress analysis of individual players over continuous time cycles

RETURN TO PLAY

Risk minimisation of consequential injuries by matching individual movement profiles.

- Conducting and evaluating regular performance analyses
- Analysing and monitoring of performance development of injured players
- Comparison of current to healthy performance levels

Tactics Cockpit

INTERACTIVE TACTICS BOARD

Precise positioning data enable new tactical analysis in training and match.
- Live visualisation provides immediate feedback on the implementation of tactical requirements
- Precise position tracking allows the analysis of horizontal and vertical player distances and formations
- Moving players and their position to visualise coaching suggestions

VIDEO-SYNCHRONISATION

Linking position data with video and tagging.
- More context and new information density by interactive tactics board
- More efficient ex-post analyses by importing scouting data from *Dartfish*, *Sportscode* etc.
- Illustrative coaching tool for tactical education

TACTICAL ANALYSIS

Automatic recognition of game patterns and tactical behaviors.
- Automatic detection and evaluation of game situations
- Implementation of customised tactical key performance indicators
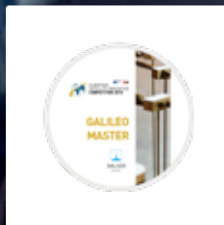
BALL TRACKING

Automated ball tracking enables a new way of football analysis in real-time.
- Seamless integration of KINEXON technology into official DERBYSTAR / SELECT footballs
- Automatic detection of ball statistics, e.g. passes, shots, offence / defence actions, counterpressing and ball control
- Team-based metrics such as ball possession support the qualitative game analysis

Bonus: Import of official league game data into the KINEXON application enables seamless comparison of game and training performance thanks to consistent algorithms.

KINEXON

OPTIMISE PERFORMANCE AND WIN
MORE GAMES

● Award winning technology.
● Made in Germany.

STARTUP OF THE YEAR
2018

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