

KGOLF

BEYOND GOLF SIMULATOR

Exceeding the Limits of Golf Simulator Technology

Beyond Golf Simulator

"KGOLF created the next-generation Golf Simulator over five years of research. Incorporating an online gaming feature into an accurate practice mode has allowed us to provide maximum entertainment for our users. We will always strive to bring the KGOLF users around the world together."

PRECISION
REALISM
EXCITEMENT

PRODUCT INFORMATION

Implementation Case

The store version includes an integrated store management system, while the personal version is designed for home theater system compatibility

1. Indoor Golf Club



2. Indoor Golf Driving Range



3. Unmanned Management Golf Store



4. Home Theater



Recommended Configuration

BGS _ S Type

- K-Golf G4 sensor or K2 sensor
- 21.5" Smart mirror kiosk S type
- High-Performance gaming PC
- Fully automatic tee-up machine (Built-in keypad)
- Golf mat set
- K-Golf BGS software full version
- 140 courses X 18 holes (Monthly update golf course)
- Online fee applies

BGS_Pro Type

- K-Golf G4 sensor or K2 sensor
- 43" Full touch kiosk
- High-Performance gaming PC
- Fully automatic tee-up machine (Built-in keypad)
- Golf mat set
- K-Golf BGS software full version
- 140 courses X 18 holes (Monthly update golf course)
- Online fee applies



* Support custom logo display at the bottom of the 43-inch panel

Recommended Configuration

BGS _ U Type

- K-Golf K2 Sensor
- 27" Smart mirror kiosk U type
- High-Performance gaming PC
- Full automatic tee-up machine (Built-in keypad)
- Golf mat set
- K-Golf BGS software full version
- 140 courses X 18 holes (Monthly update golf course)
- Online fee applies

BGS _ UI Type

- K-Golf K2-I sensor (Built-in kiosk sensor)
- 27" Smart mirror kiosk UI type
- High-Performance gaming PC
- Fully automatic tee-up machine (Built-in keypad)
- Golf mat set
- K-Golf BGS software full version
- 140 courses X 18 holes (Monthly update golf course)
- Online fee applies



HARDWARE

Kiosk (BGS_U Type 27" Touch Monitor)

ALL IN ONE KIOSK WITH INTEGRATED PC AND SENSOR



H: 1,000mm

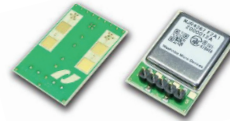
* U-type kiosk is available in two versions.
(One with a built-in sensor and one without.)
PC sold separately.

Dual Camera



Both Android & Windows systems include a binocular camera.

Doppler Radar



Expanding the possibilities of motion capture using Doppler radar.

Built-in K2-I Sensor



There is a K2-I (All types of golf balls) Sensor attached behind the mirror.

Kiosk (BGS_Pro Type 43" Full Touch Monitor)

Camera



The High-Sensitivity camera built behind the mirror is customized to support up to 120FPS.

PC



High-Performance gaming PC

Register and Login



We support easy membership registration & QR code login through SNS (KakaoTalk, Facebook, etc.)

INDUSTRY-FIRST SMART MIRROR KIOSK



H: 1,150mm

* Support custom logo display at the bottom of the 43-inch panel.

Kiosk (BGS_S Type 21.5" Touch Monitor)

Camera



The High-Sensitivity camera built behind the mirror is customized to support up to 120FPS.

PC



High-Performance gaming PC

Register and Login



We support easy membership registration & QR code login through SNS (KakaoTalk, Facebook, etc.)



INDUSTRY-FIRST SMART MIRROR KIOSK



H: 1,200mm

This is an independently developed All-in-One kiosk with a multi-touch screen and tempered glass. It has various functions such as a camera, PC. You can easily check your form or club position before the shot by looking at yourself in the mirror. You can also record your posture and swing and check it right away, so you can use it for practice.

Kiosk (KDR_L Type 21.5" Touch Monitor) + Rear Camera

INDUSTRY-FIRST
ADVERTISING DISTRIBUTION SYSTEM



H: 1,000mm

* Each store owner can distribute and manage advertising on the WEB.



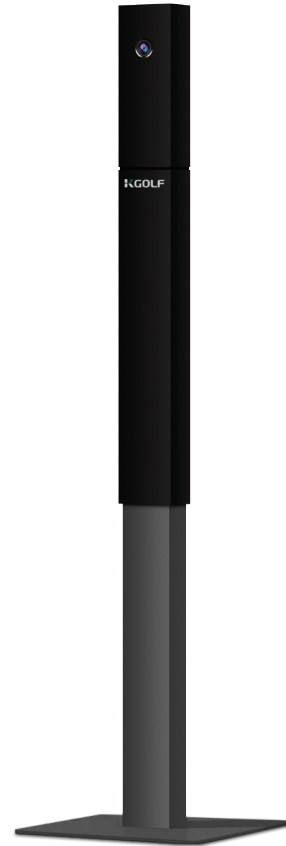
* Rear Camera.

Kiosk (KDR_S Type 21.5" Touch Monitor) + Rear Camera

INDUSTRY-FIRST SMART MIRROR KIOSK



H: 1,000mm

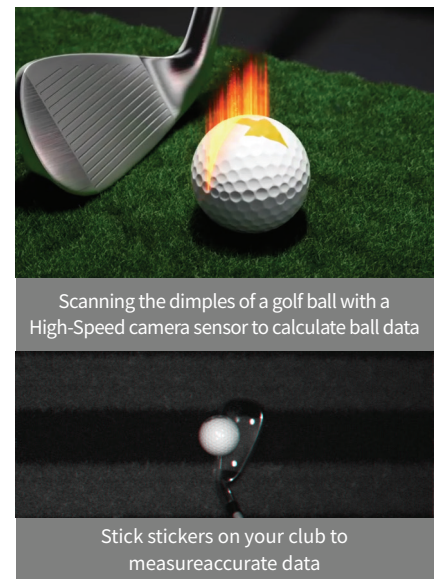
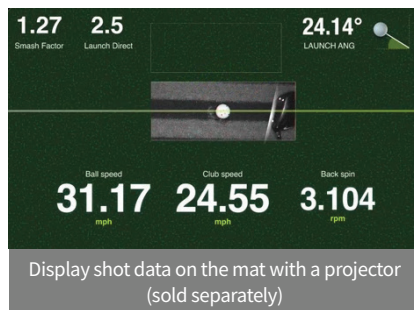
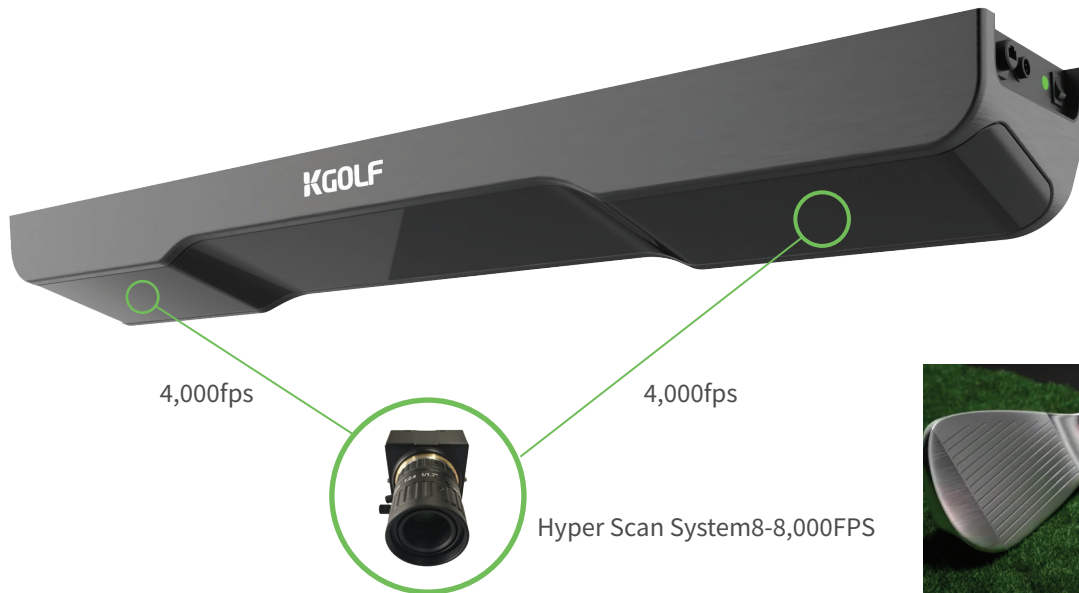


* Rear Camera.

Sensor

K-Golf K2 Sensor (Supports all types of golf balls)

The K-Golf K2 Sensor is equipped with two 4,000FPS High-Speed cameras with the highest level of accuracy. The 8,000FPS High-Speed camera measures the ball's rotation, trajectory, and speed in 3D, and then the independently developed PhysX 6D physics engine reflects the rotation amount of slices, hooks, fades, and other delicate trajectories and ball quality in real time. (No need for a dedicated mark ball) It reproduces the trajectory as if you were actually playing with the highest level of precision that even professional golfers, especially players who require accuracy, can understand.



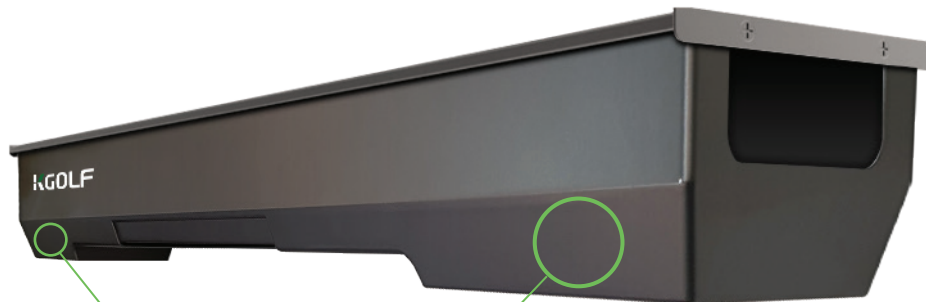
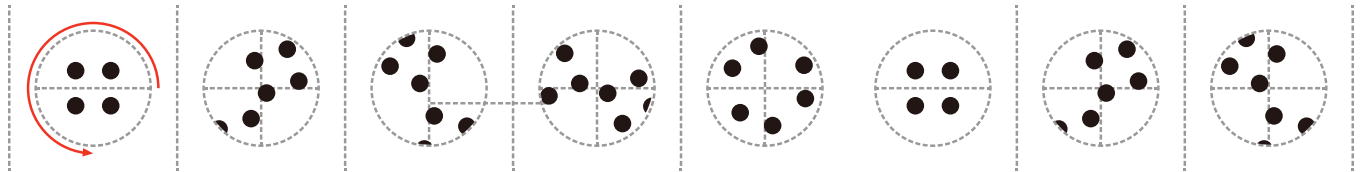
Sensor

K-Golf G4 Sensor (Requires dedicated mark ball)

The K-Golf G4 Sensor is equipped with two high-precision 2,000FPS High-Speed cameras.

The 4,000FPS High-Speed camera measures the ball's rotation, trajectory, and speed in 3D, and then the independently developed PhysX 6D physics engine reflects the rotation amount of slices, hooks, fades, and other delicate trajectories and ball quality in real time. (Requires a dedicated mark ball)

It reproduces the trajectory as if you were actually playing with the highest level of precision that even professional golfers, especially players who require accuracy, can understand.



2,000fps

2,000fps



Perfect Scan System4-4,000FPS

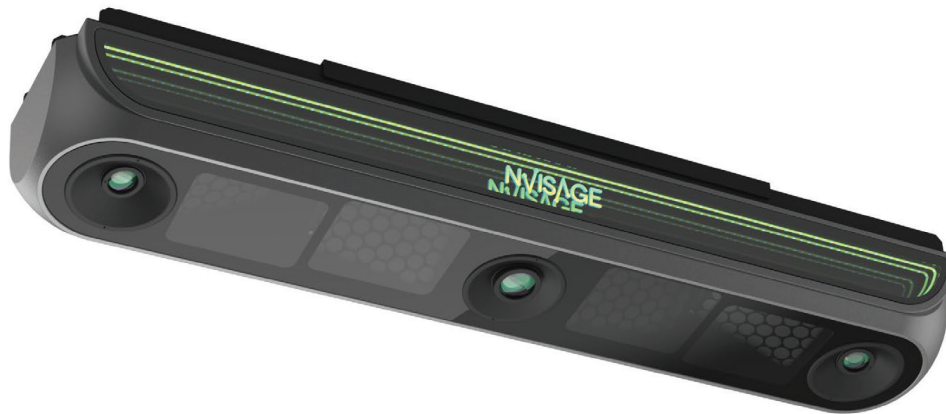


Actual tracking scene of a marked ball

Sensor

K-Golf N2 Sensor (Supports all types of golf balls)

The K-GOLF N2 Sensor is our flagship overhead indoor launch monitor, featuring a three camera tracking system that delivers precise real time ball, club, and flight data analysis. Compatible with any golf ball, it captures key metrics including ball speed, launch angle, spin, club speed, club path, face angle, impact location, carry distance, and total distance for a premium indoor golf experience. (*Scheduled for release in mid-2026)



The K-GOLF N2 Sensor supports advanced club tracking through the included Y shaped club sticker, which is attached directly to the club head to enable precise recognition of club movement and impact location across drivers, irons, and putters.



Driver



Iron



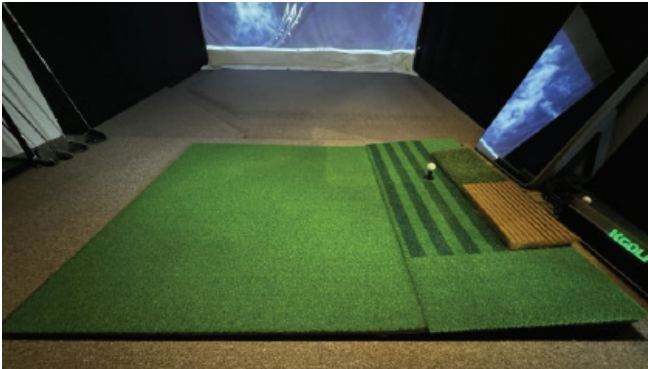
Putter

Other Hardware

Hardware Configuration

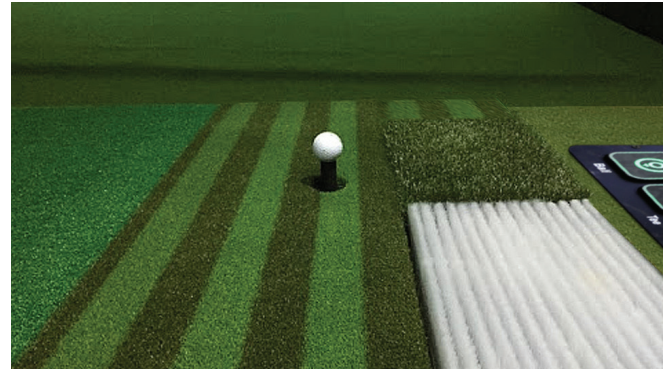
3D Motion Plate

The mat incorporates various turf patterns to simulate different field conditions, allowing for a more realistic practice experience.



Automatic Tee-Up + Mat

The mat features various turf patterns that replicate different field conditions, providing a more realistic practice experience.



Built-in LED Keypad

An intuitive and sleekly designed keypad. The bright and clear button display ensures maximum usability, even in low-light environments.



Protruding LED Keypad

The bright and clear button display ensures maximum usability, even in low-light environments.



SOFTWARE

UNREAL4 ENGINE

Top Picture Quality in the Screen Golf Industry

We Offer the Highest Quality 4K Resolution Golf Courses Made with the Best Game Engine.

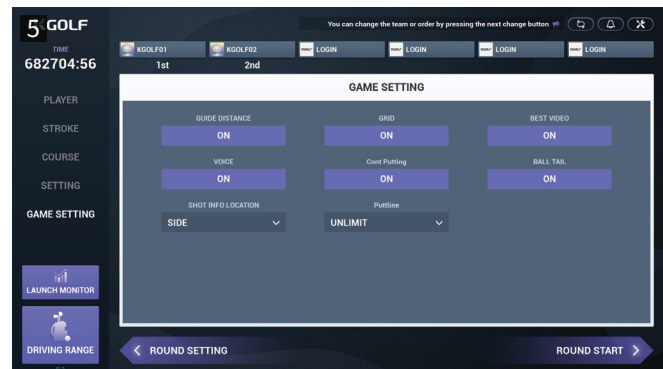
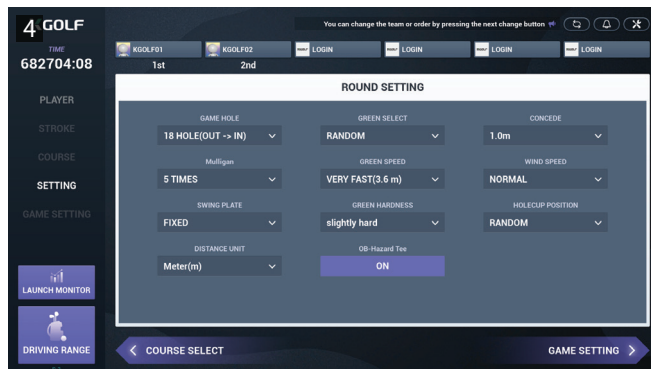
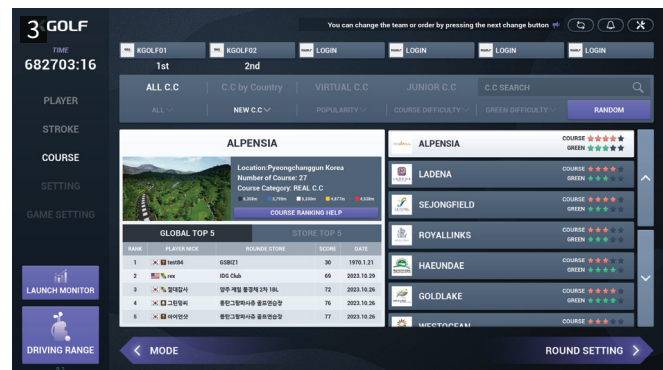
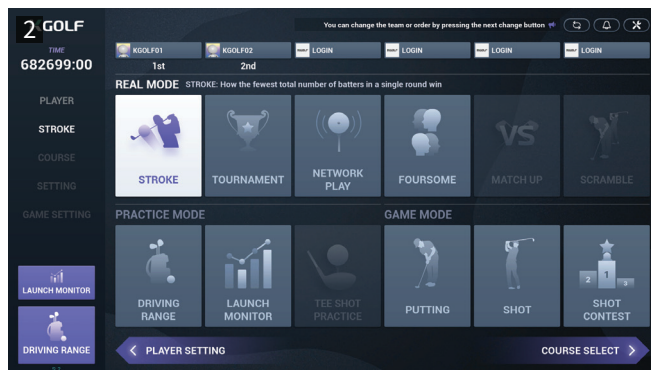
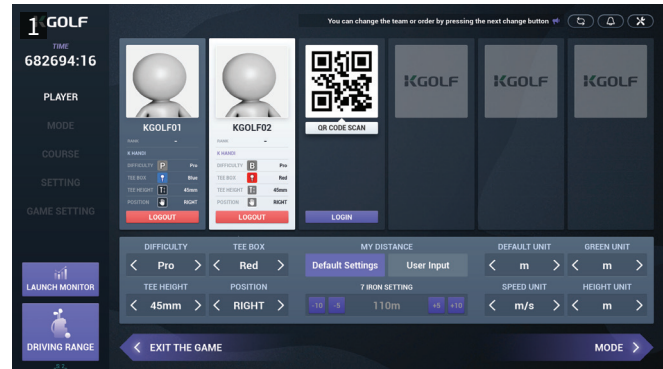
Applying self-developed technology through 6 years of R&D and more detailed secondary processing, We implemented real graphics as if the real golf course was moved as it is.



User Interface

Lobby

1. Personalization after an Easy Registration via SNS (KakaoTalk, Facebook, etc.) and QR Code Login
2. Select Game Modes
3. Select Golf Courses
4. Round Settings
5. Select Game Settings then Play



User Interface

Stroke

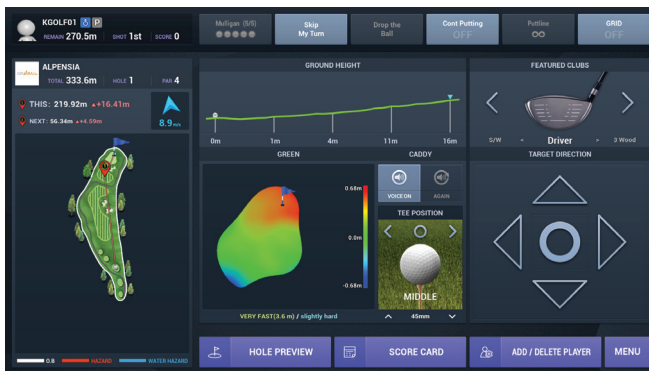
1. Stroke Mode Ingame



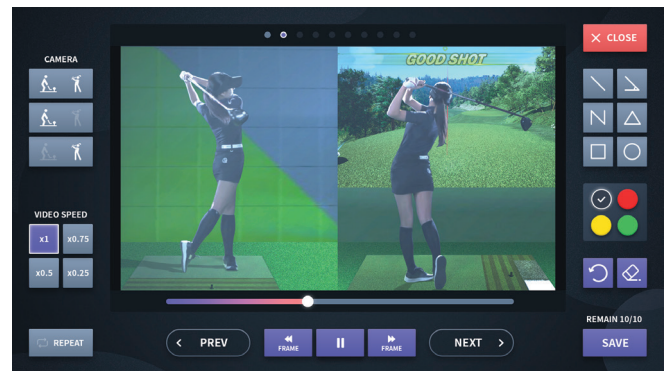
2. Tournament Mode Ingame



3. Stroke Mode Kiosk



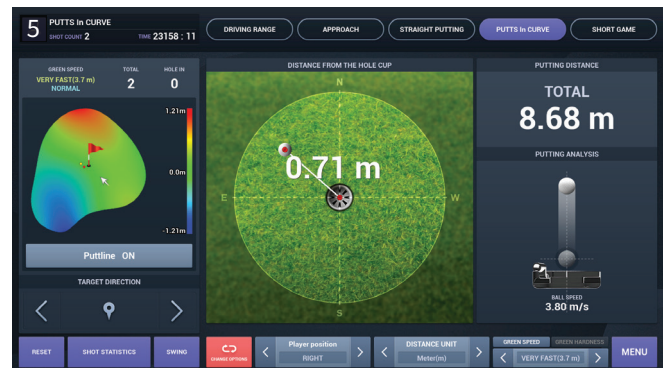
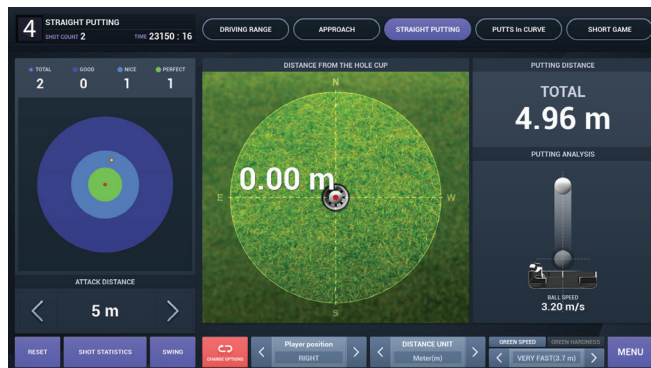
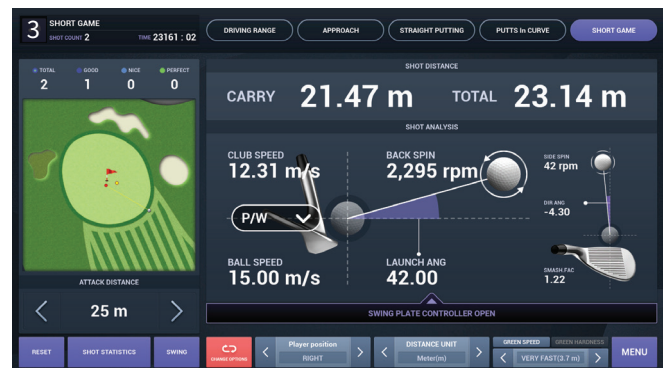
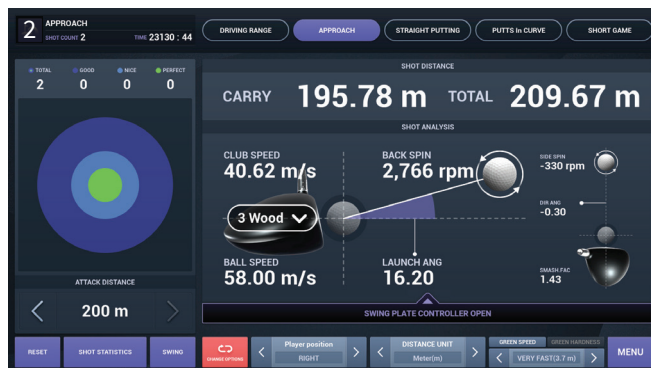
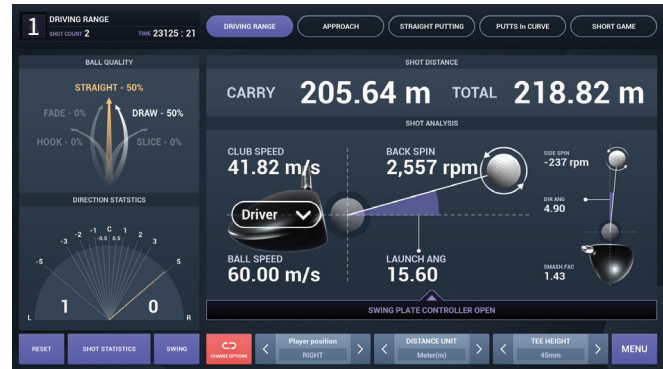
4. Swing Video - Analyze Swings through Saved Recordings



User Interface

Practice Mode Kiosk

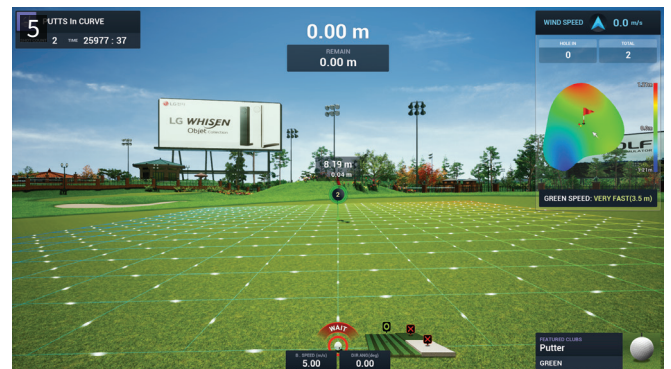
1. Driving Range
2. Approach
3. Short Game
4. Straight putt
5. Curved Putt



User Interface

Practice Mode Ingame

1. Driving Range
2. Approach
3. Short Game
4. Straight putt
5. Curved Putt

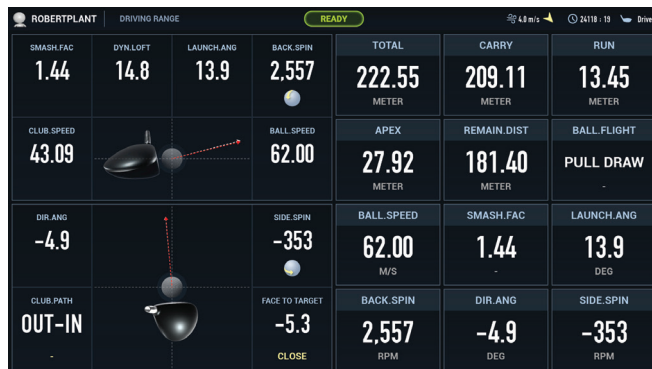


Swing Analysis System

Launch Monitor

Our Significantly enhanced measurement system delivers precise and analytical data.

- TOTAL.DIST
- CARRY.DIST
- RUN.DIST
- REMAIN.DIST
- BALL.FLIGHT
- BALL.SPEED
- CLUB.SPEED
- CURVE
- LAUNCH.ANG
- SMASH.FAC
- BACK.SPIN
- SIDE.SPIN
- DYN.LOFT
- APEX
- DIST.TO.APEX
- FLIGHT.TIME
- DIR.ANG
- CURVE
- SIDE
- SIDE.DEV



Various Game Modes

Game Type Golf Mode

1. Putting Game (Forest Village) - Various types of putting games that even beginners can easily practice.



2. Shot Game (Circus) - Even beginners can improve their skills through fun short iron games.



3. Shot Game (Western Escape 1)



4. Shot Game (Western Escape 2)



Network Play

Up to 1,000 players worldwide can play simultaneously

1. Network Play Lobby Screen.



2. Network Play Waiting Room Screen.



3. Network Play In-Game Screen.



4. Multiplayer Network Play Screen.



Worldwide Courses

With 4K graphics powered by Unreal Engine 4, we provide access to world-renowned courses as well as fantasy courses featuring breathtaking scenery you won't find in real life.

Access to all 140 golf course & Tournament mode.

Monthly update additional 1~2 golf courses.



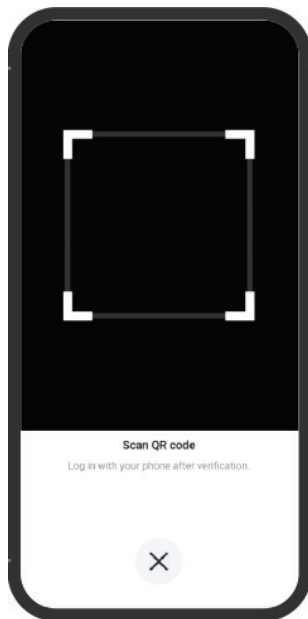
Application

Mobile Application

Access to all the information through the mobile app.

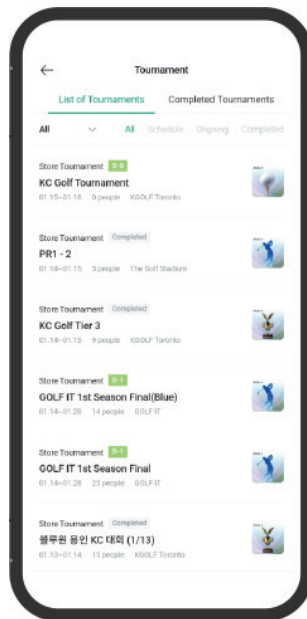
Convenient and seamless login via QR code.

Provides various information including Rounding Statistics and Swing Videos.



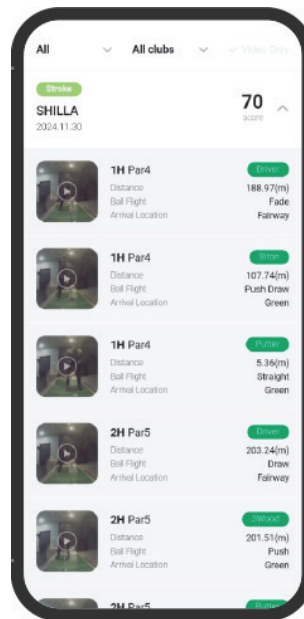
01

Scan the QR code displayed on the kiosk screen and login



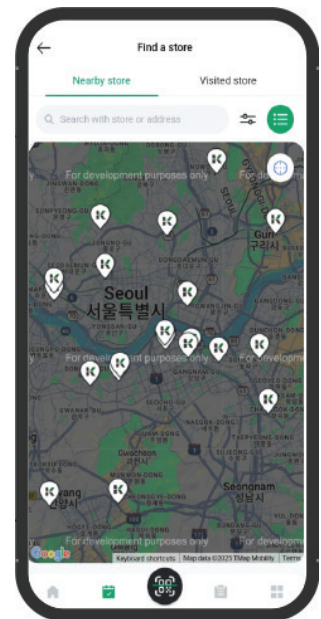
02

Local and world tournament information will be updated in real time



03

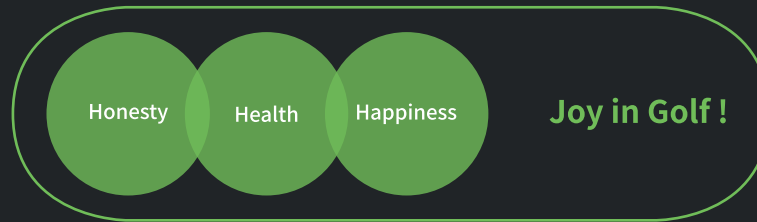
The shot image is automatically saved so you can check it anytime, anywhere



04

You can easily search nearby K-Golf stores

COMPANY INTRODUCTION



Innovative company that can challenge the new era and empathize with customers

KGOLF is the developer of Golf simulator, composed of leading game developers in Korea and former representatives and executives of screen golf firms.

The team is made up of veteran developers with an average of over 10 years of development experience.

In 2017, after attracting domestic and foreign investment, we created the best product yet, Golf simulator, that can satisfy both business owners and users.

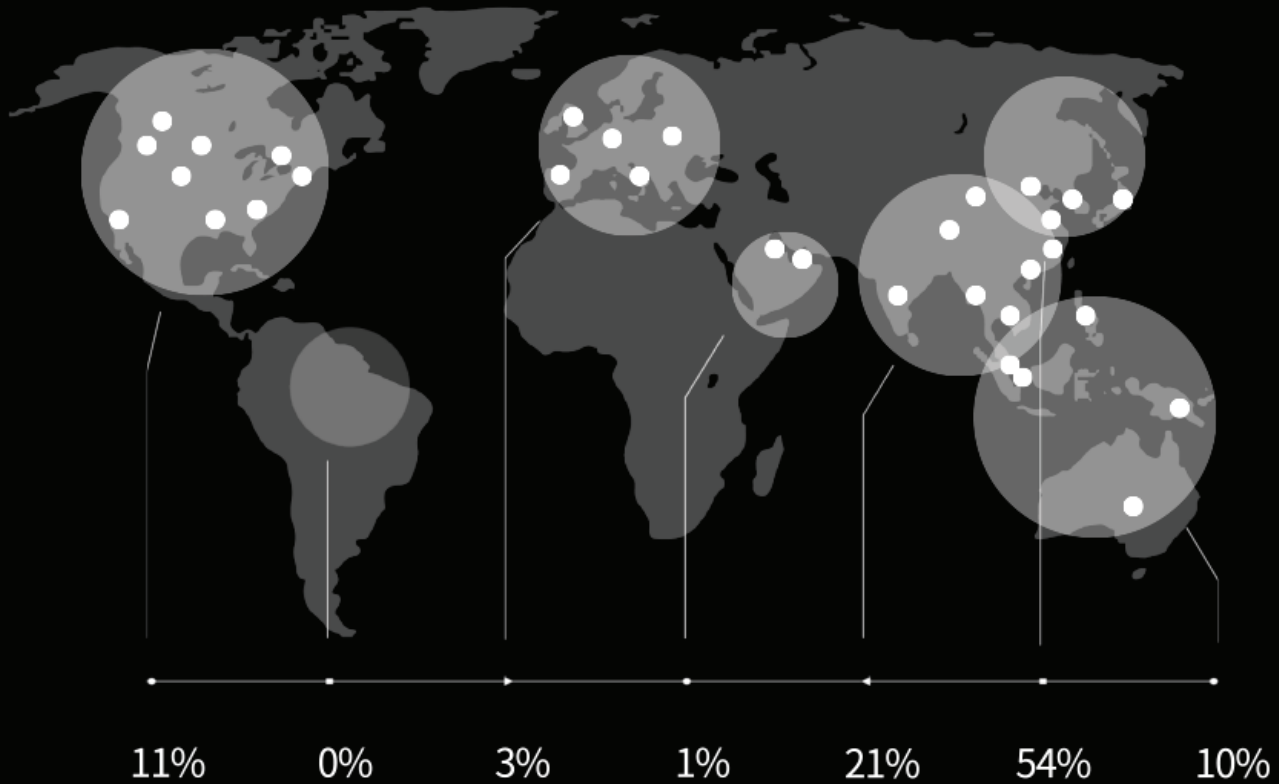
We stand by the idea of 3Hs - **HONESTY, HEALTH, and HAPPINESS.**

Based on the key philosophy of 3Hs, we hope to close the gap between golf and customers and share greater joy and fun together.

Global Service Regions

Overseas Servicing Countries

K-Golf is available in over 450 stores worldwide, including Korea, the United States, China, Japan, Canada, Singapore, and Dubai, and is rapidly expanding its influence in the global market.



News

LG Electronics is targeting the Golf simulator market

LG Electronics signs an MOU with KGOLF for the co-development and production of the Golf Simulator Nov. 17.2021

This agreement is to provide consumers with a realistic screen golf environment by combining LG Electronics' hardware such as a beam projector and PC and K-Golf's golf simulator software. The two companies plan to discover new business opportunities through joint marketing in the overseas screen golf market and introduce LG Probeam projectors to K-Golf franchise stores in stages.

Ik-hwan Jang, managing director of LG Electronics' IT business division, said, "The innovative technology and know-how accumulated in the projector market will meet K-Golf's software to create a synergistic effect."

CEO Seok-woong Choi of K-Golf said, "With this business agreement, we have laid the foundation for expanding golf simulators to the global market."



SNS

Official Promotional Channel

HOMEPAGE
INSTAGRAM

<https://www.kgolf.ai>
https://www.instagram.com/kgolf_official

Developers & Partners

Developer



KGOLF Co., Ltd. is a development company established by the leading game developers in Korea and former representatives and executives of screen golf companies.

The developer of Golg simulator, which consists of veteran development teams of more than 10 years possessing excellent and differentiated technological know-how.

Partnership



LG Electronics

LG Electronics Co., Ltd. is a global leader in technological innovation in various fields such as home appliances, electronics, and automobile parts, and at 130 businesses around the world.

LG Electronics have business function in H&A(Home Appliance & Air Solution), HE(Home Entertainment), VS(Vehicle component Solutions) and BS(Business Solutions).





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