



Realistic indoor training system for clay shooting

What is TrueClays

TrueClays is a shooting simulator which uses the absolute boundaries of today's technology to make the shooting simulator totally transparent in terms when you are shooting for real at the range.

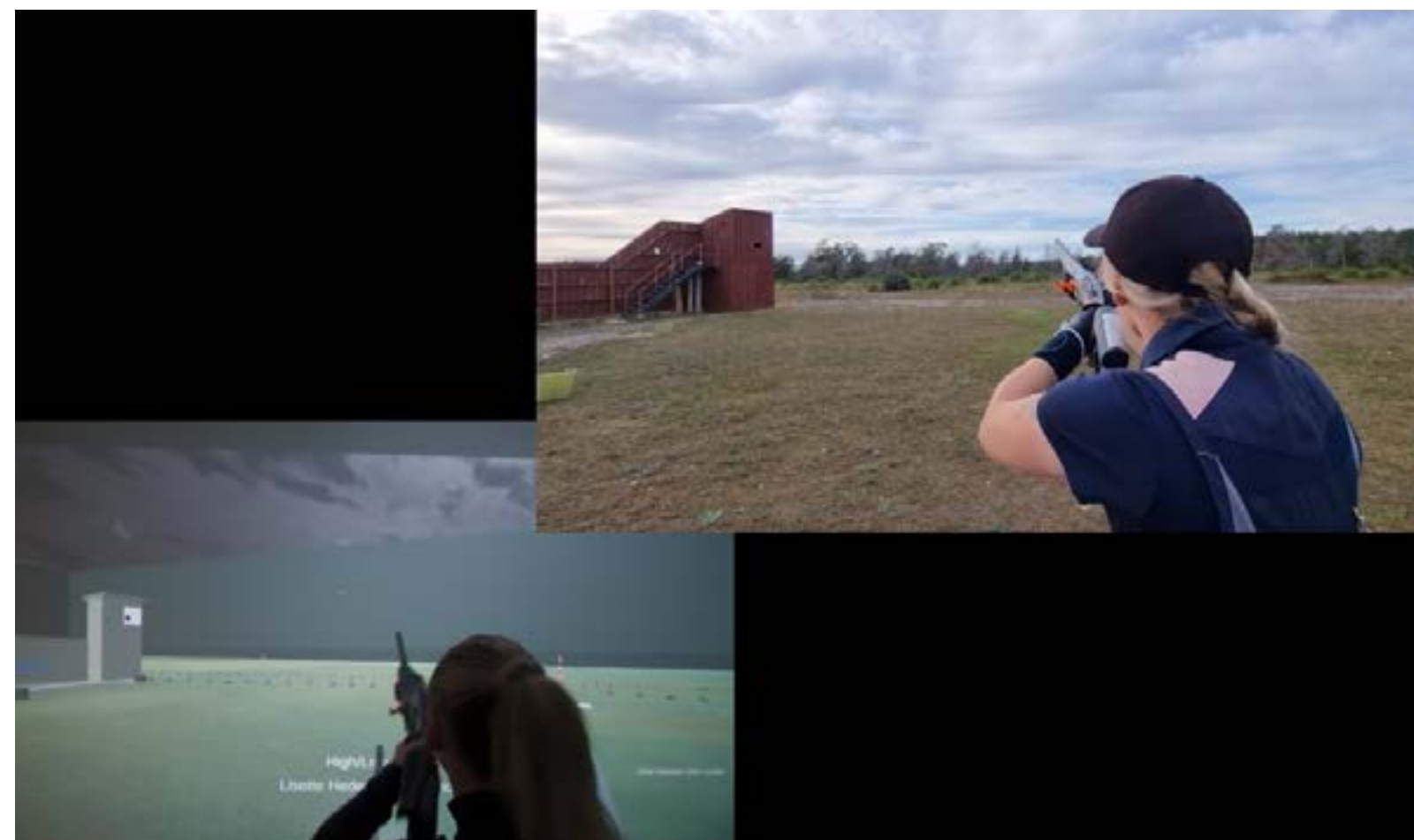
TrueClays acquire such accuracy and speed which guarantees hit area that has tighter tolerances than an actual shotgun has, regardless discipline (inclusive the fastest ones).

TrueClays knows even the slightest error will make your brain return back and doubt what it sees, in reference to really fool the shooter and make it seem it is at the range. Everything is taken into account to make it absolute perfect, you can for instance tell where on the stand you are standing, for example if you were to go from one side to the other one at a single stand, you would experience clear difference.

TrueClays sends the broken pieces of the clay in the correct direction upon impact in order for the brain to learn instantly, not only by giving instant feedback in terms of hit or miss but also where on the target the hit was made; front, back, top or bottom. The system is so fast it handles this in the same time frame as real shot would hit the clay.

When you start doing subconscious micro corrections in TrueClays, it gives a clear indication there is nothing at all that hinders you to train to the fullest potential, without shooting one shot.

You will feel total transparency between the real range and the simulator.



In addition to being fast the simulator consists of features which gives the shooter an edge when practicing, such as distractions from other ranges, fragments from broken clays as well as sound from other shooters calling for clays and sound from their shooting. Real life recorded sounds from throwers of the multiple brands (selectable in the settings) and very realistic wind settings are also included.



The simulator comes with multiple backgrounds, both high contrast backgrounds which makes it simple, but also real life “messy” moving backgrounds which makes it more complicated.

We can simulate real life backgrounds, built in 3D like here with Larnaca, Cyprus



Furthermore, TrueClays allows shooters to set different chokes and cartridges in order to match the shooter’s real life setup and practice with chokes for instance which provides tighter pattern in order to learn the correct lead of the clay target.

TrueClays does not provide you random stray pellets that gets the clay target, for the purpose of learning the correct concept. Only certain hits will render the result, with the intention of not learning the wrong way. This phenomenon can actually happen in real life and will be problematic to “unlearn”.

TrueClays goes through continuous developments, new features are added automatically to the system in conjunction with software updates.

Variants

There are the following variants of TrueClays.

TrueClays Basic

Mainly for home use, maximum 3 shooters in the system, certain functions are not available. Optional Barrel Tracker system is not available for Basic.

TrueClays Pro

Full version of TrueClays, all features.

This is using a 120hz projector.

TrueClays Premium

Pro features with a 240hz projector and faster computer to allow for more smooth movement. You will see the biggest difference in the faster disciplines like Skeet & Trap.

The projector do have an brighter and more crisp image.

TrueClays Compact (120hz or 240hz)

Special version with ONLY Trap (all versions) and Helice ZZ that using smaller space/wall size.

TrueClays Complete

Custom built TrueClays using two projectors where you use both wall and ceiling or dual ceiling.

The TrueClays complete is built per customer and will be installed onsite by TrueClays.



Achievements

TrueClays was built in purpose, to help shooters get better and develop their skills in shooting clays.

Already first year, before TrueClays was released it turned out to be really successful in that sense. The founder and inventor went from being an ordinary average shooter to win gold in Olympic Skeet Team and place himself 5th individually in the Swedish Skeet Championship 2019 and managed to achieve Silver at Natwest Island Games 2019, Gibraltar.

Mark Binnermark, Swedish national team shooter in Olympic Skeet shooter has been helping with testing the system since the start and won three golds in the Swedish Olympic Skeet Junior Championship 2019, National Skeet Junior Championship and National Skeet Team. He is also now holder of Swedish Junior Record in Qualification as of 2022 (122/125).

Mark is ranked #1 in Sweden in Olympic Skeet 2023.



Lisette Hederstedt started shooting April 2022, with no previous skills she shot about 75000 shots in TrueClays the first year.

In August 2023 she took the silver medal in the Swedish Championship in Olympic Skeet



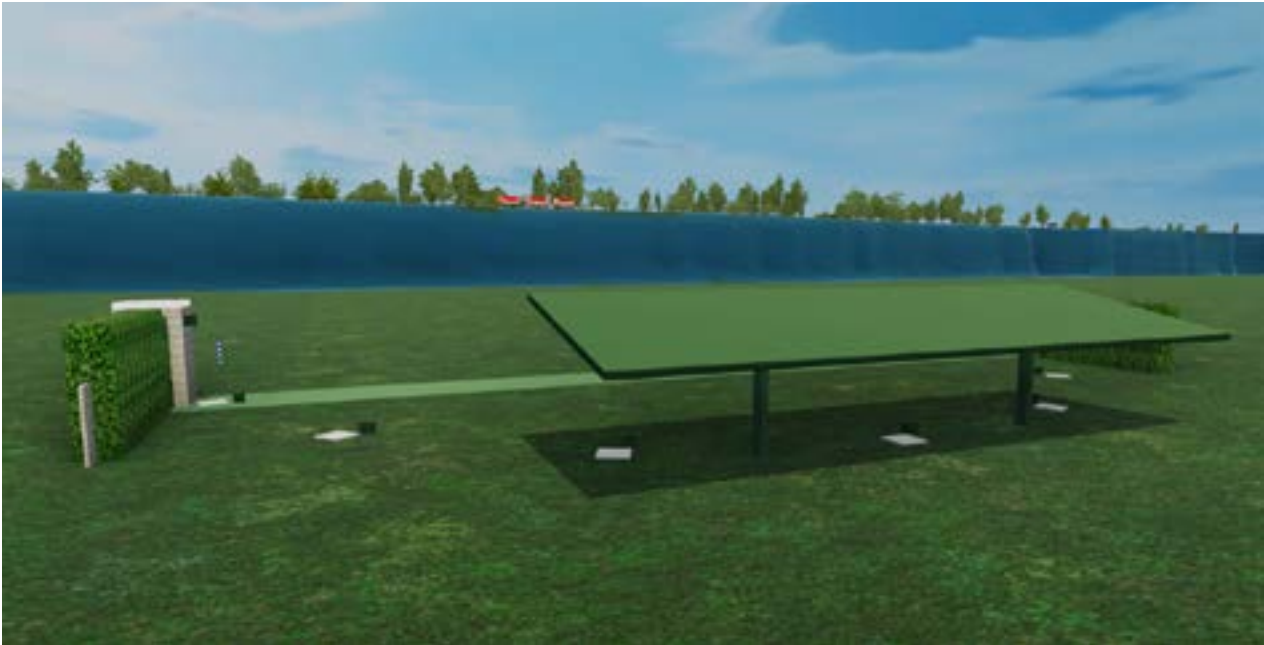
Skeet

TrueClays support Olympic Skeet including both rounds and final as well as PET training.

The simulator support Swedish, italian national layouts likewise American and English skeet, German hunting skeet. More layouts will be added upon request.

The skeet setup has multiple backgrounds, ISSF lights on the houses and clay fragments coming as distractions from other ranges. Users can also tweak the speed of the clays to practice on either fast, slow or normal ranges as in real life as there are small speed differences from one range to another.

TrueClays allows the shooters to set the sound of the throwers after many popular brands, in order to be able to familiarize yourself with what the shooter might face on a competition. In the skeet discipline the shooter can manually select any stand and practice clays the shooter might find difficult for example.



There is a lot of skeet specific functions.

You are free to train a single stand over and over.

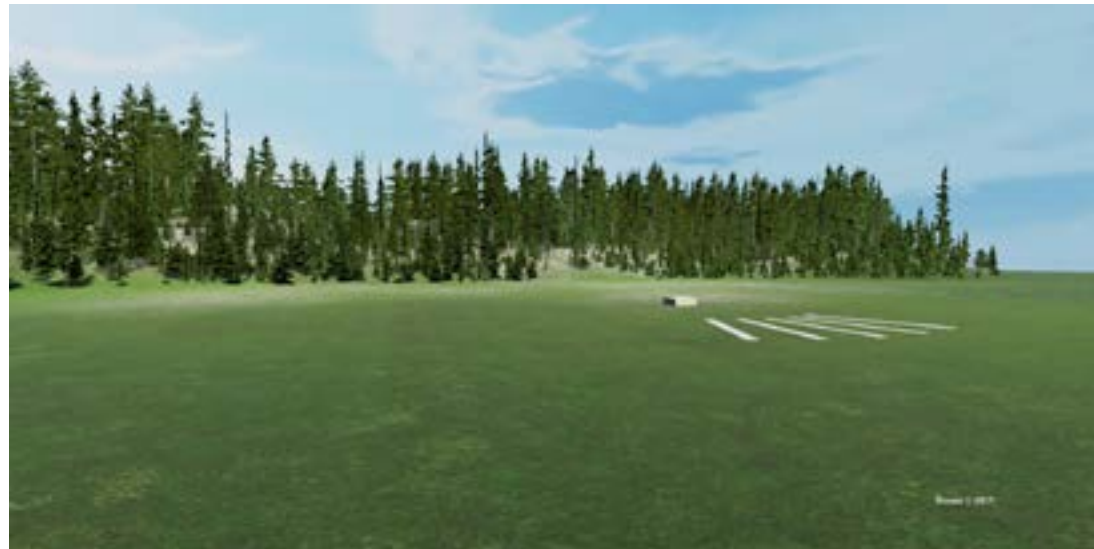
The system allows you to run slow-motion speed with real life lead which allows you to really train that target.



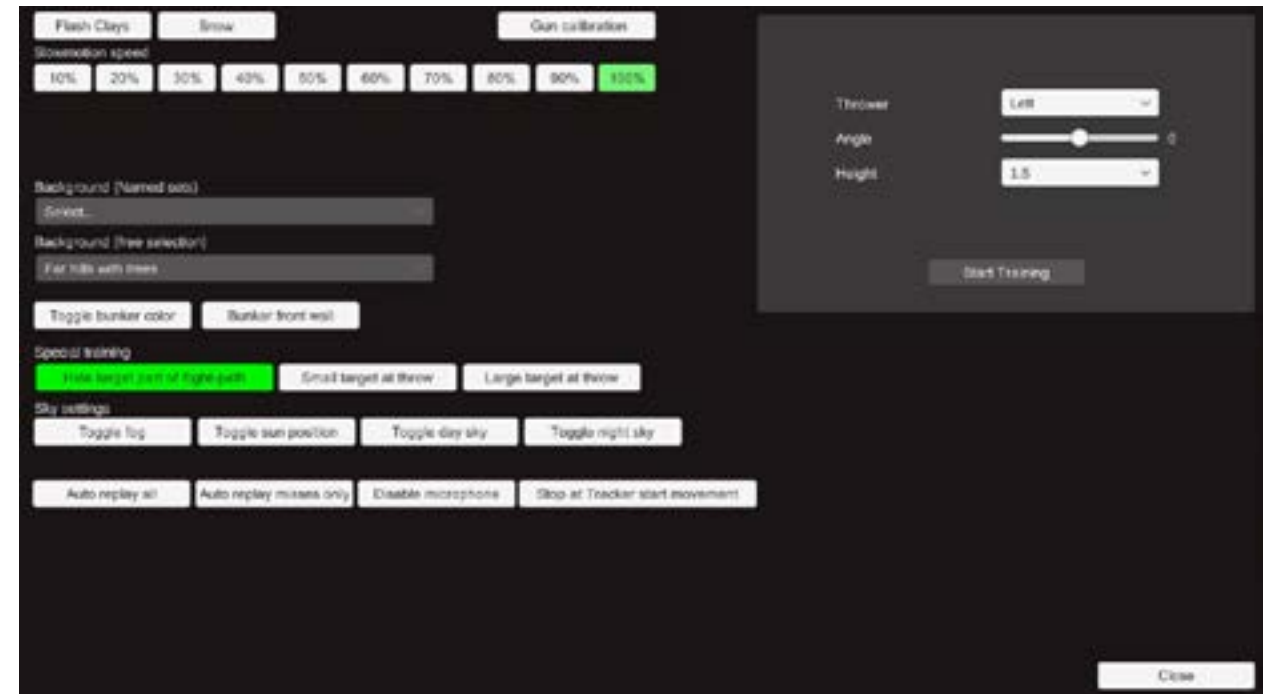
Trap

TrueClays support Olympic Trap, Nordic Trap, ABT, Universal Trench and Double Trap, as well as the ATA disciplines of Continental, Singles, Doubles and Wobble. TrueClays also support DTL (Down the Line) and German Hunting Trap. The ATA & DTL trap allows you to set the yard handicap setting per shooter.

In Olympic Trap and Universal Trap & Double Trap all available tables are provided which the shooter can select before starting the round.



In the Trap module you also can see various Trap specific functions. You can train your specific target in Olympic Trap by setting the throwers angle and height.



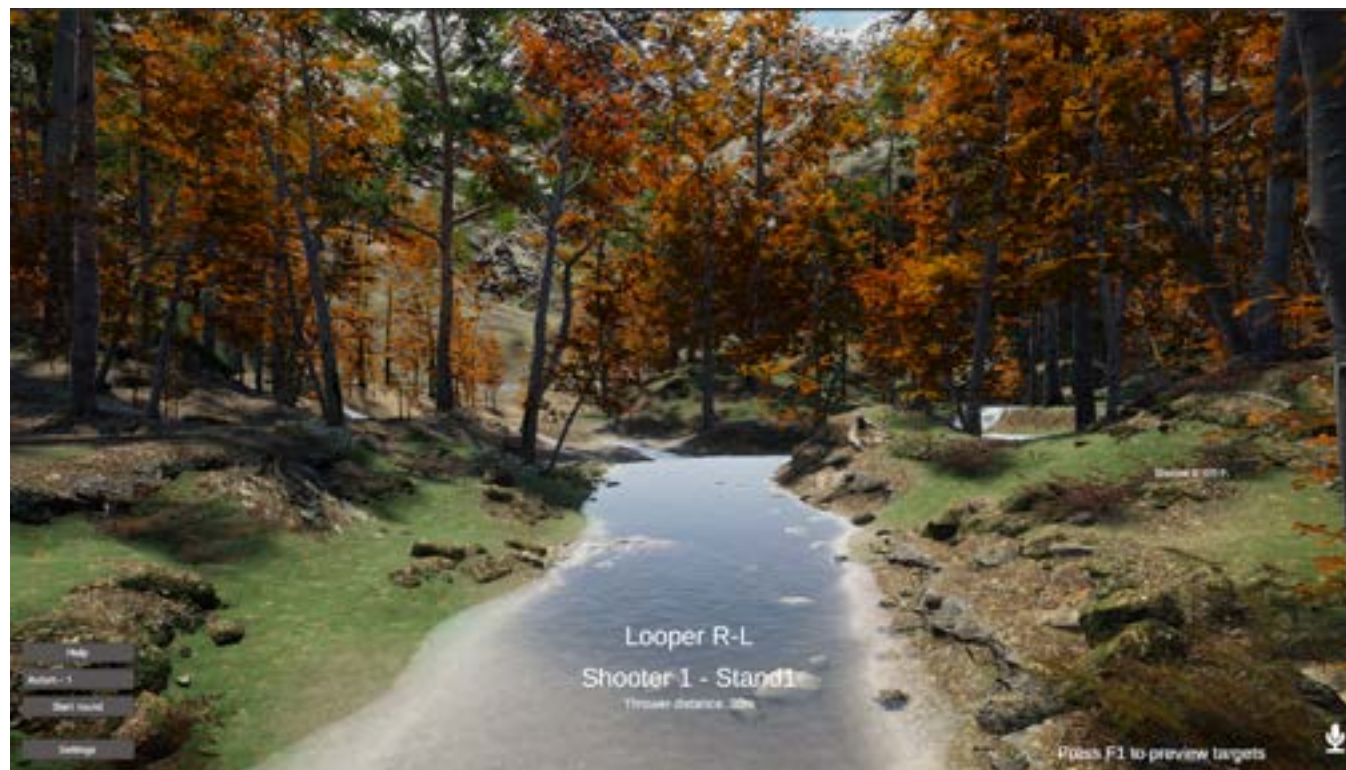
you can also set other items like sunposition, change backgrounds, set special functions like hiding the clay at throw so you train on every possible scenario that you will encounter in real life, even let the snow fall.

Sporting

TrueClays presents a real challenge when it comes to the sporting discipline. All clays are included, everything from standard clays to rabbits and teal.

There is an endless possible combinations and every session will be different.

TrueClays allows you to shoot many different variants of Sporting, Compak, FITASC and English Sporting.



Within each type of Sporting there is several layout/courses.

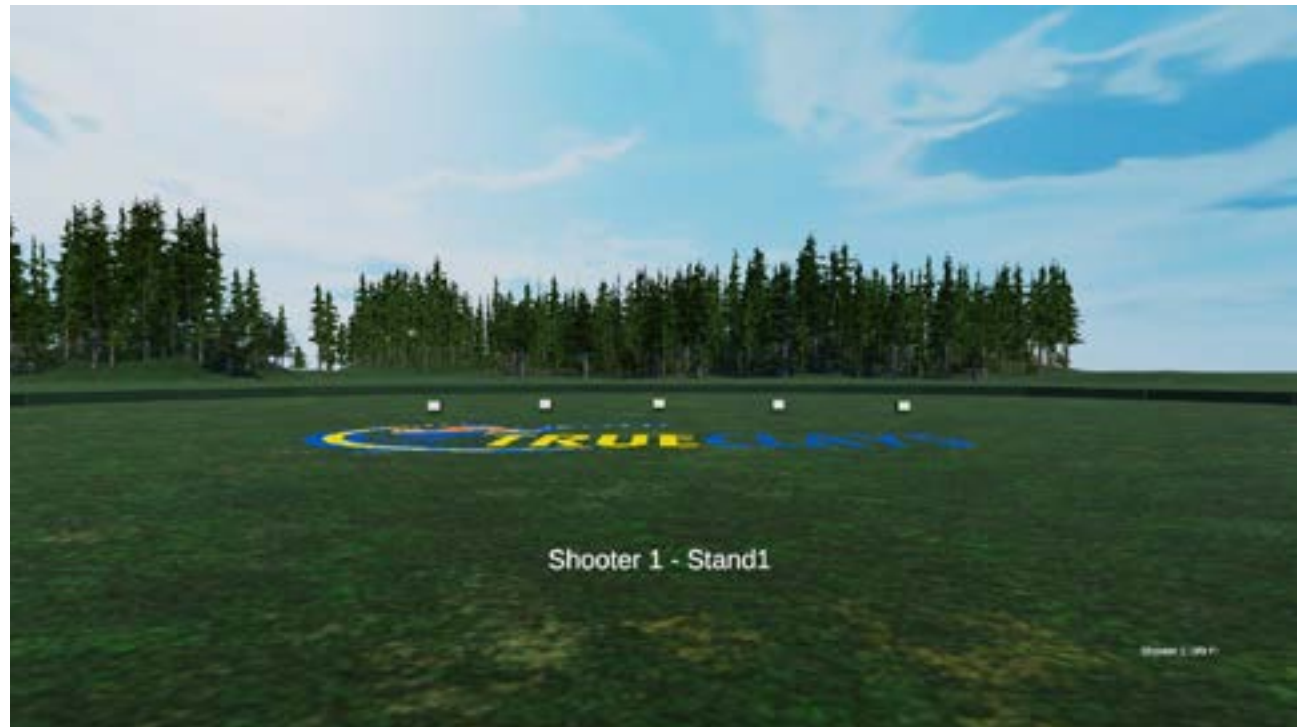
We do create new courses with regular interval, in short, you will never be bored.

Wind and weather will affect the sporting courses and will greatly affect how the targets will fly.



Helice/ZZ

16

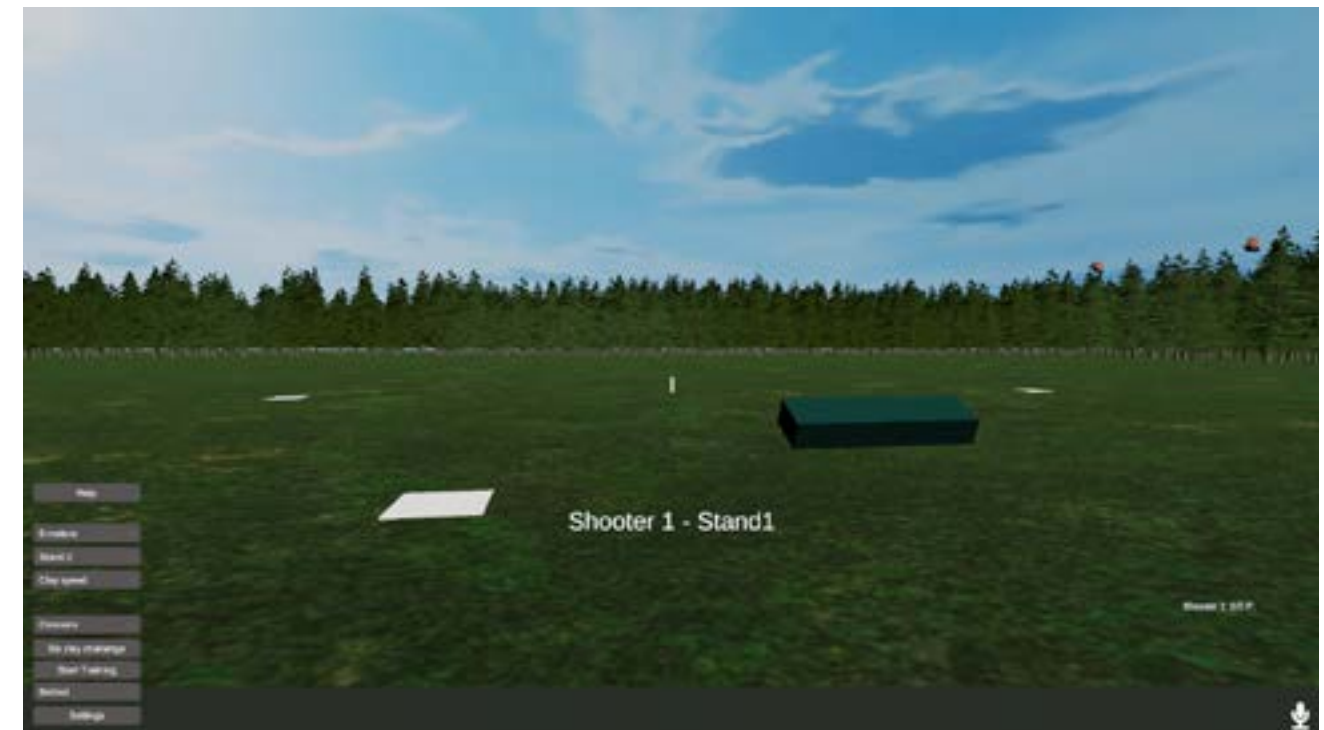


The system has Helice shooting as an module.

Under the configuration you can set min/max angles and speed at your leasure to make range from easy to very hard.

Beginners corner

17



The beginners corner is a simple thrower where you can easily change the speed, move the shooter around and teach a new shooter how to hit a target.

This is the perfect starting point for anyone trying the simulator for the first time.

Statistics

The system keeps track on your progress while shooting, you can see your statistics for the session and historically.

Report name: **Last 30 days** From date: 2023-09-30

| Type | Force total | Total hits | Total targets | Hit ratio % | First shot hit | Second shot hit | Total shots |
|--------------|-------------|------------|---------------|-------------|----------------|-----------------|-------------|
| OlympicTrap | 3 575 | 1 | 10 | 10 | 1 | 4 | 14 |
| OpenTraining | | | 11 | 0 | | | 8 |
| | | | | | | | 22 |

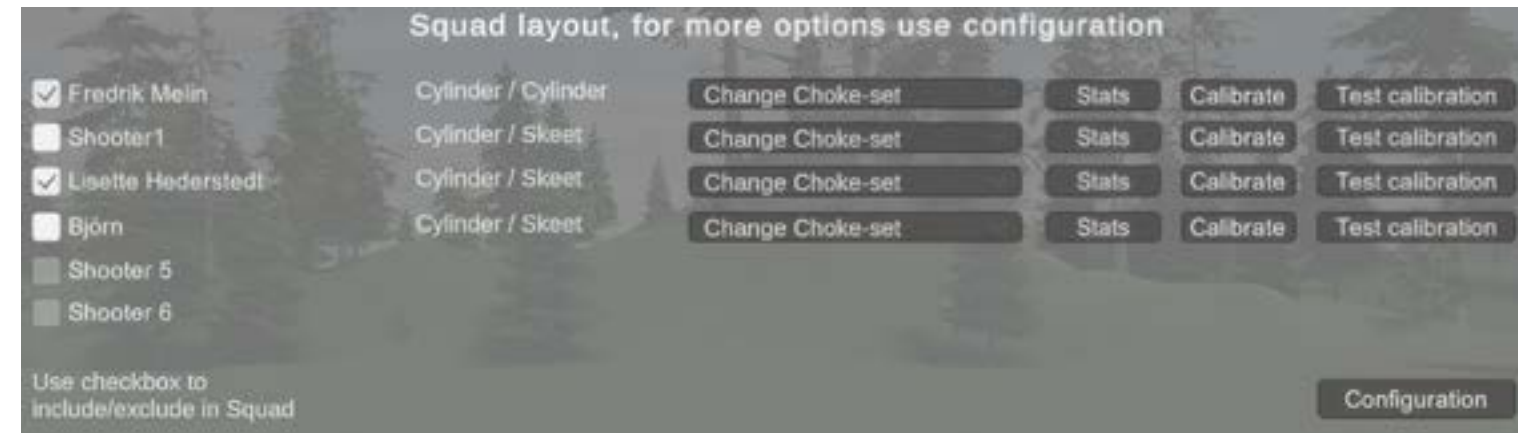
Report name: **Last 90 days** From date: 2023-08-01

| Type | Force total | Total hits | Total targets | Hit ratio % | First shot hit | Second shot hit | Total shots |
|------------------|-------------|------------|---------------|-------------|----------------|-----------------|-------------|
| English_Sporting | 2 915 | 1 | 4 | 25 | 1 | | 2 |
| OlympicTrap | 3 575 | 1 | 10 | 10 | 1 | 4 | 14 |
| OpenTraining | | | 11 | 0 | | | 8 |
| | | | | | | | 24 |

Report name: **This year** From date: 2023-01-01

| Type | Force total | Total hits | Total targets | Hit ratio % | First shot hit | Second shot hit | Total shots |
|------------------------|-------------|------------|---------------|-------------|----------------|-----------------|--------------|
| CompakSporting | 134 420 | 22 | 54 | 58,93 | 24 | | 55 |
| CompakSportingTraining | 106 157 | 30 | 40 | 75 | 19 | | 40 |
| English_Sporting | 1 073 466 | 201 | 313 | 64,22 | 97 | | 315 |
| FTASC_sportingTraining | 2 000 620 | 400 | 587 | 68,14 | 278 | | 617 |
| OlympicSkeet | 1 849 363 | 547 | 650 | 84,15 | 353 | | 678 |
| OlympicTrap | 3 575 | 1 | 10 | 10 | 1 | 4 | 14 |
| OpenTraining | 30 415 968 | 10 070 | 13 129 | 76,7 | 5 549 | | 13 051 |
| SkeetFinal20 | 2 994 851 | 824 | 982 | 83,91 | 428 | | 992 |
| | | | | | | | 15763 |

Squad

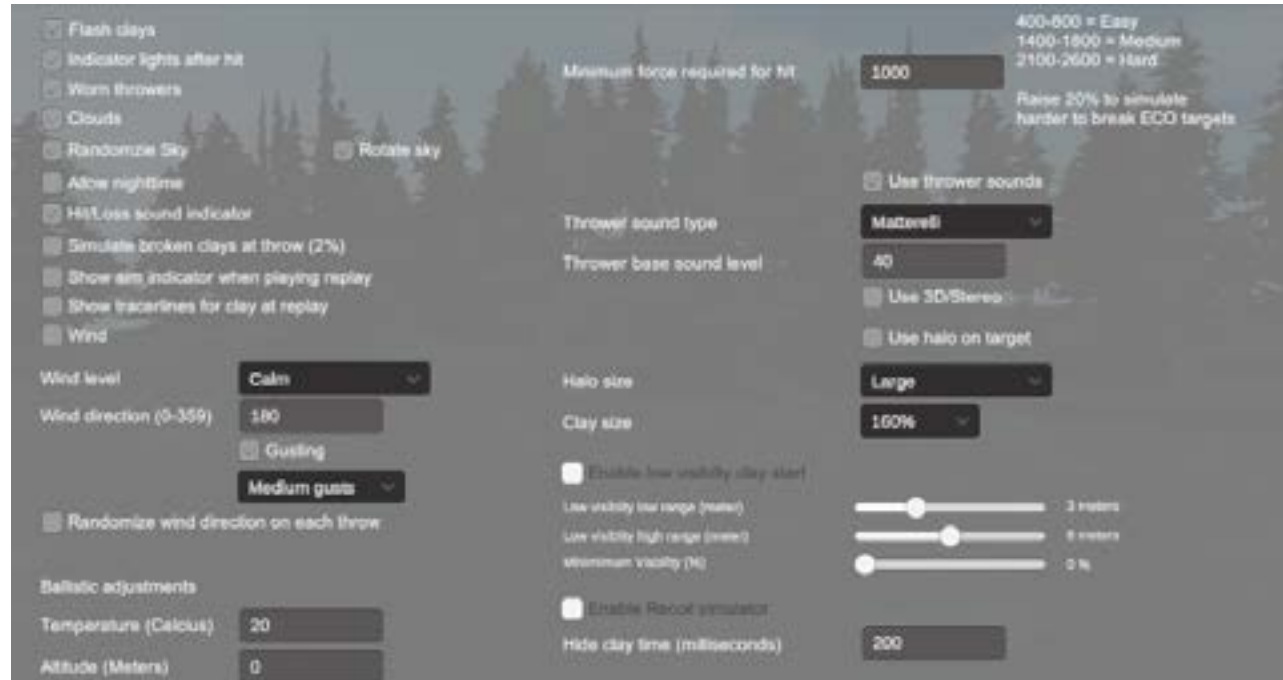


The system allows for up to 6 shooters in a squad that can shoot. You will need one laser & trigger unit per shooter.

Each shooter has it's own settings for a lot of configuration options.

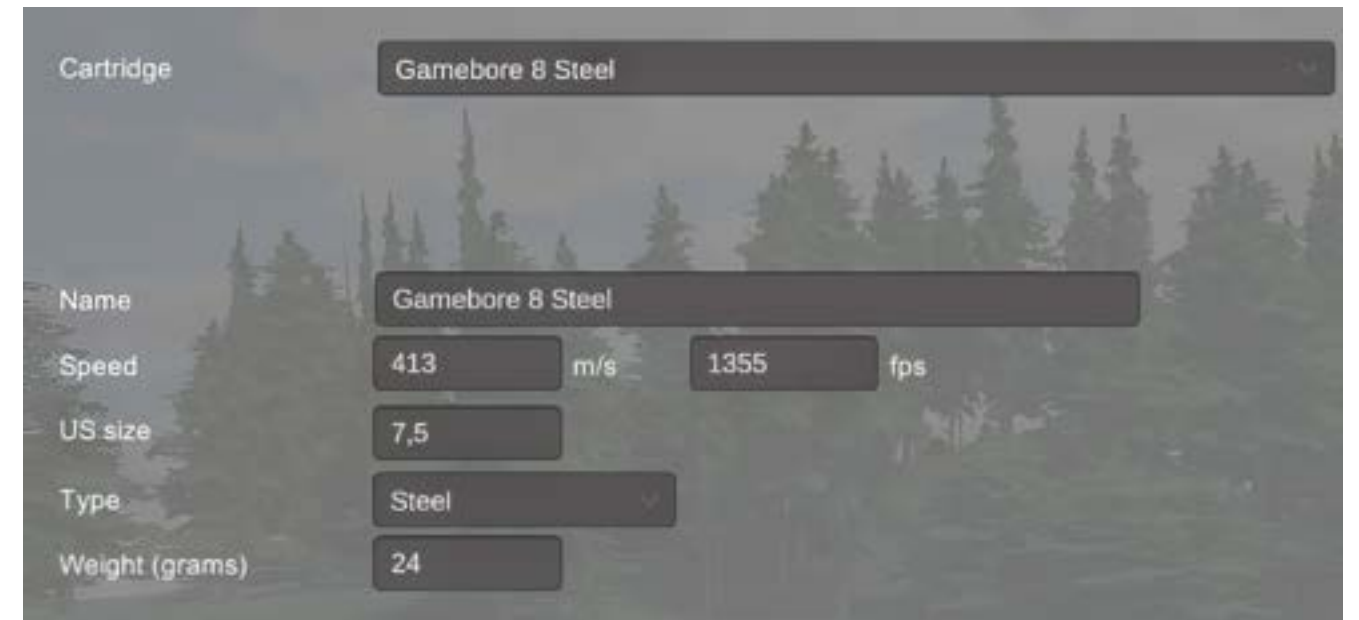


There is an immense amount of advanced settings, to name a few, you can set wind, direction if it's gusting, even which height it should start. You can set thrower type to get the correct sound.



Cartridges

You can enter the data for your the cartridges you shoot so the ballistics engine will calculate everything correctly, for how your shot performs.



Package Specification

TrueClays comes as a complete hardware package, including:

- TrueClays main unit with keyboard and mouse
- Projector with ceiling mount bracket
- Numeric keypad
- Microphone
- Shot registration camera
- Trigger box with laser
- Universal trigger

TrueClays systems are perfectly adapted to operate together. For instance it is not possible to switch out the provided projector to another one, this is a turn-key solution together with required components.

Illustrated in the images below is the mount for the Projector Tripod (optional)



Cameras are mounted and calibrated before shipping, one camera for reading the shot, the second is for the barrel analyzing tool (optional)



Triggers

We will supply you with a couple of generic triggers for the everyday gun.



We can also supply you with custom triggers that fits your gun perfectly.

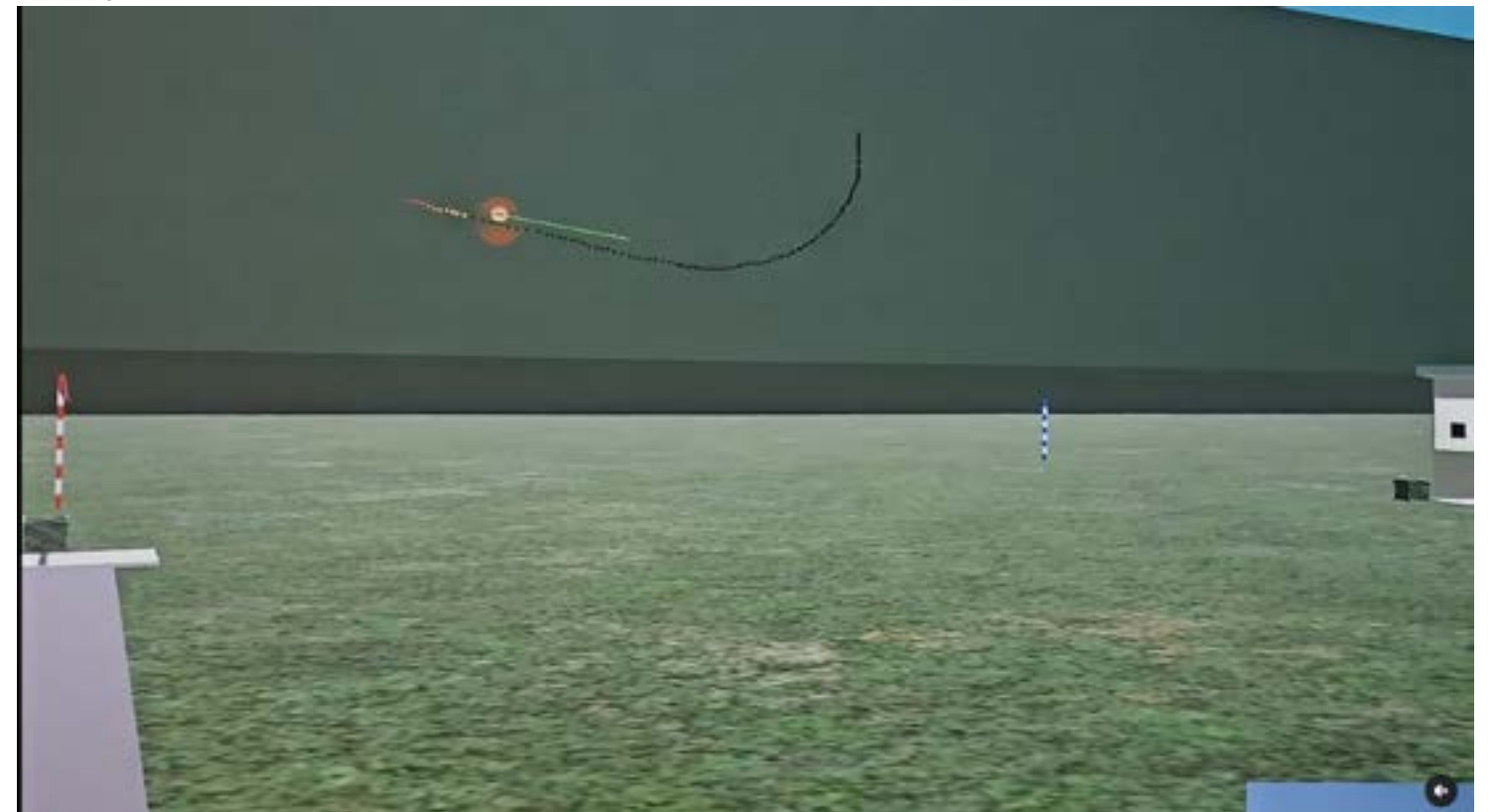


Tracking (Optional)

Tracking module to observe barrel movement.

This module utilizes an additional camera with special filter and an extra laser module which is mounted in the barrel.

When you later shoot, your replay function will show how you move the barrel at you will see the speed indicated by the dots and which distance they are in relationship to each other.





Tripod mount (Optional)

Tripod assembly includes a high rack to which the projector and cameras are attached with a special mount. The installation can be stowed away and still maintain calibration, in order to be able to set it back up and practice within 1-2 minutes.

TrueHunt addon



For the hunter there is an addon to TrueClays that using the same engine to give you hunting experience.

It allows for training on Driven hunt (Pheasants, Partridge), Ducks, Rabbit (ferrete hunting), Dove/Crow, Woodcock, Boar, Deer, and running Target Moose and Boar.



Simulator guns

TrueClays Simulator guns is professional made replica guns with the electronics built in. It's has a free floating barrel design which makes it a good sports gun.

The replica gun has a working safety mechanism so you can train new shooters on using the safety.

The balance of the gun is excellent making it a good training gun for any discipline.

Note: The gun we are currently selling has adjustable comb, do note that pictures below does not show that.



Software updates

You will receive complete system updates online.

The first year the updates will be free, for the second year and so on there is a subscription to continue getting updates.

When you receive the updates you will receive any addons that we might have released, meaning you will get new backgrounds, new sporting courses automatically.

System Configuration

Room Measurements

For **Basic, Pro & Premium** you need:

Fairly smooth white or light gray wall, Best painted with dull roof paint (non-reflective)

Optimal very little light in the room and NO DIRECT SUNLIGHT

Wall WIDTH: 3.40-5.00m, 11.2-16ft

Wall HEIGHT: 2.40-3.00m, 8-10ft

Depth of the room: 3.00m, 10ft

For **TrueClays Compact** no additional mount is needed.

The requirements for it then are:

WALL WIDTH: 2.60-2.80m, 8.5-9.2ft

WALL HEIGHT: 2.40-2.60m, 8-8.55ft, less if the shooter is short.

Depth of the room: 2.50m, 8.2ft.

The key concept is that the shooter should stand very close to the wall or screen. This is to make sure the shooter does a total transparent change from the shooting range into TrueClays. This is done in order to get the field and view and all aspects precisely correct. With that, TrueClays requires good vision at 2-3 meter range, prescription glasses might be needed if you cannot focus on that range.

More videos online

You can find videos of the system here.



Scan me!



Get in touch

Thank you for your interest in TrueClays. If you wish to request a quotation please contact us at sales@trueclays.com. Additional information can be provided on request.



Please follow us at Instagram [@trueclays](https://www.instagram.com/trueclays) and please follow Lisette at [@clayshooter_lisette](https://www.instagram.com/clayshooter_lisette) where you can see more videos of TrueClays.