



WAVE ITALY

IMMERSIVE RACING

SIM RACING PRO

From real racing cars, to your simulator.

COMPETITIONS, TRAINING AND EVENTS



Simulators and Peripherals for an authentic and immersive driving experience

The new dimension of Motorsport



PASSION, COMMITMENT AND R&D

Cutting-edge Know-how and R&D - Passion for engines

There are various levels of driving simulation, from the amateur level for enthusiasts and gamers to the professional level for drivers. This second level is the one for which we at Wave Italy have been working for a long time, in the heart of the Italian Motor Valley, Maranello, dealing with those who can best pass on their experience and expertise in the field: pilots, technicians and engineers.

That is why we can now offer an **unforgettable driving experience** of the highest standard to professional drivers and to enthusiasts looking for authentic driving feedback.

Wave Italy is at the moment the one Company covering the entire panorama of Sim Racing activities, producing Pro Simulators of Formula and GT, peripherals like Pedals-Set and Steering Wheel, being very active in events and in special locations around the world.

IN THE HEART OF MOTOR VALLEY 100% MADE IN MARANELLO

Wave Italy was founded in Italy in Maranello, a place known for its prestigious and passionate automotive and motorsport tradition. **Here, we created a team of professionals** who are enthusiastic, dedicated and competent in all phases of the realisation of driving simulators: hardware, software, design, mechanics, motion, quality control and safety.

Constant innovation, R&D on materials, design study and performance improvement are keywords that fuel our passion every day and allow us to produce and market our products, such as **steering wheels and pedals**, right up to a complete **driving simulator**.

From design and development of prototypes, to production, sales and service, in Wave Italy every single detail is carefully thought out to ensure the highest quality in every aspect, from the driving experience to product managing support for Clients, in facilities open to public.

This know-how is the major asset enabling us to create products that meet the expectations of the most demanding Sim Racers as well as professional drivers.

Wave Italy is active in 5 business areas:

- **Sale of F1 Simulators** for F1 Experience + GT Sim Racing Rigs: to Digital Halls, Arenas, Car Museums, Racetracks etc., and direct sale to private customers.
- **Rental of F1 and GT Simulators, also customized**, for Company or private events, taking place at Customers' location or in our Verona Center. Available also a special packet for Team Buildings;
- **Sim Racing devices**: top quality and top performance Steering Wheel and Pedals-set for a target Pro;
- **Professional Training Center**: launched in 2019, with 2 Wave Apex Race Simulators in parallel, for the training of real professional pilots with the help of a Driver Coach and Real Time Telemetry;
- **Racing Simulator Center**: open to the public with pre-booking, to live a top quality driving simulation experience. The best place for training or compete in on-line championship or to realize top events;

PHOENIX PRO

ITALIAN STYLE, CUTTING-EDGE TECHNOLOGY, SOPHISTICATED DESIGN, EXTREME REALISM

Maximum simulation performance, precision mechanics, sophisticated vibrating system that faithfully reproduces the roughness of the track and curbs.
Designed and built to convey the sensations of a real single-seater.



THE F1 SIMULATOR

ULTRA-REALISTIC AND UNFORGETTABLE DRIVING EXPERIENCE

Real emotions of driving on the track, including technical aspects and physical sensations..

With passion and determination, we replicate the most crucial details of a Formula 1 car: steering wheel, pedals, driving position, seatbelts, seat, Halo, feedback-feeling.

Sit in the cockpit of an F1 car, just like a real racing drive.

A professional steering wheel with dozens of functions and tach-sensitive steering, a realistic brake on which pressure can be applied well over 100 kg, a responsive and precise accelerator, an innovative active-belt and backrest system to simulate G-Force under braking and acceleration. The sophisticated motion-system faithfully reproduces all shaking and various reactions of a car on the track, exponentially increasing the driver's feeling.

Three large 55-inch monitors to totally focus on the braking points, kerbs, fast corners and overtaking. **Professional audio surround system** to live the characteristic sound of turbocharged cars equipped with ERS (Energy Recovery System).

This is how we can guarantee maximum immersivity, for a truly unique driving experience.



Fine Adjustments: pedals and seat are adjustable to accommodate people of virtually all sizes and ages, allowing the driver to assume the typical lying position of a Formula 1 driver.

The setting of the Phoenix Pro **can be adapted for everyone, regardless of previous driving experience**, quickly simplifying or tightening the simulation dynamics.

We have deliberately hidden all the moving parts and wiring to leave alive the soft lines of the bodywork recalling ground-effect cars and the famous bellies on the flanks in the rear.

For the best F1 simulator, even the design must be taken care of to be minimal and clean.

The **livery** of the Phoenix Pro and the track-bannering can be **completely customized.**



GHEPARD MARANELLO



THE DYNAMIC GT SIMULATOR

YOUR HOME **SUPERCAR**

*True re-evolution in the industry, Ghepard Maranello is the first Sim Racing GT driving station where design is paramount just like in a real car. It is a dynamic, innovative simulator with a **revolutionary and patented motion system**, it is customizable in many elements, including the livery, to become a unique piece like a real Supercar. It requires only 3sqm of space.*

GOING FAST, WITH STYLE.

The essence of Sim Racing is always the competition, hence performance and lap time. This is why Wave Italy has always offered professional peripherals and simulators derived from real racing cars and with top-of-the-range feel and performance for the most demanding drivers. Actually, for our **Ghepard Maranello** we were looking for something more. Something that would convey a unique and pure Italian passion.

“Racing in a car is wonderful, but doing it in a beautiful car is fascinating: let’s apply this to Sim Racing, too”. One day we saw an image of a leaping cheetah, a symbol of power, speed and elegance. With this vision we set to work on creating the best professional driving simulator, inspired by that dynamic and powerful icon.

RE-EVOLUTION OF MOTION: INCOMPARABLE FEELINGS

Typically, the dynamics of a Sim Racing station is created by a platform placed under the structure connected to hydraulic pistons, or by linkages placed behind the driver’s seat.

We opted for an **unprecedented and innovative solution**, moving everything to the front with a sophisticated lever system and an ultra-compact structure that integrate perfectly with the design of the station. **Everything is covered by an international patent.**

Sensations are even more realistic as the load transfers, especially when driving a GT, are mainly felt at the front.

CUSTOMIZATION:

The Ghepard Maranello design is intended to make special any place hosting it.

It is something unique, with only the power cable visible all around the rig.

The simulator is made of various special materials, many of which are interchangeable upon request when ordering: carbon, fiberglass, ultra-white or smoked Plexiglas, leather and Alcantara.

Other possible customizations include;

- livery color choices, color combinations, any branding
- details and materials of the dashboard, which can be in racing, classic or sport GT version;
- driving seat customization;

Enjoy making it a unique object that suits your tastes.

For the first time this will also be possible for a Sim Racing station.



GHEPARD 923F



THE POWER GT SIMULATOR

SIM RACING IN ITALIAN STYLE

Like the Ghepard Maranello from which it derives, GHEPARD 923F also has its distinctive features in terms of design, accurate style, quality of materials or finishes and customization possibilities, always including all the best for exciting driving simulations.

FOCUS ON DRIVING, WRAPPED UP IN STYLE

Especially in endurance races - many are 24 hours long - Sim Racers prefer a stable and solid professional workstation, doing without the dynamic sensations transmitted by a simulator with an integrated motion system.

It is also a common choice for those who decide to seriously enter the world of E-sports, not having long previous experiences, thus starting to manage the sensations transmitted by the steering wheel and pedals, so postponing the addition of further physical sensations to a next level of preparation.

GHEPARD 923F also offers a **front nose that reproduces the gritty look** of the GT Supercars.

It is designed for those who, in addition to the above, want a beautiful object, with an accurate design, precise ergonomic and above all to be made unique with personalized choices.

CUSTOMIZATION:

Among the possible options, the installation of **32" triple screen**.

Further customizations, in terms of finishes, materials and livery - branding are like those available for the Ghepard Maranello.

GHEPARD 923F will make any location where it is placed even more distinctive.

The power cable is the only visible part outside the station.

It requires only 3sqm.



WAVE LYNX



THE SIM RACING STATION

YOUR TURNKEY STATION

SIM RACING PRO, FOR HIGH PERFORMANCE

*Focus on your performance: we take care of everything else, from hardware to peripherals. You are ready to hit the track.
Warranty and complete assistance on the entire structure, hardware-software components, peripherals, frame and various accessories.*

Preparing a racing-station: times and critical issues

It can also be fun for a Sim Racer to create his racing station by himself, buying every component from various suppliers.

However, all this requires a lot of time, different skills, and the risk of the possible incompatibility of one component with another. Not to mention the assembly phase, which must be consistent and correct. And what if your chosen suppliers decide not to take responsibility in case of malfunctions?

Green light...go

Don't waste time. Choose Wave Lynx, your turnkey station complete with the best in technology and service. Stop worrying and concentrate on racing.

We will support you in choosing your customizations to get the best of everything. We will then always be by your side for any technical intervention you may need, often possible even remotely.

In a small space, all you need for Sim Racing

Wave Lynx is a static station, only 2,5 sqm needed, and allows you to have all the best you need for training and Sim Racing in either GT or Prototypes or Formula.

Simply plug in the power cable, the only visible component outside the station, and begin your best adrenaline driving sessions.

Customizable:

When ordering, choose finishing, color or branding of livery and structure, more options:

- Formula or GT steering wheel
- 2 or 3 pedals configuration
- ground support (Monza layout) or reversed support (Imola layout)
- then make your personal adjustments for optimal ergonomics





WAVE PRO-INCLUSIVE

SPORT IS FOR EVERYONE

THE PRO-INCLUSIVE SIMULATOR

This is the first Racing PRO driving simulator adapted for **athletes and people with disabilities**.

It includes various technical solutions aimed at maximizing ergonomics for use in virtual Motorsport competitions also by people with disabilities, to break down barriers and compete on a par with the so-called "able-bodied". It is the result of the collaboration among Wave Italy and some expert Companies and Associations involved in the sector.

Presented at the Hall of Honor of the **C.O.N.I.** (Olympic Committee) at the end of 2022, it has already gathered great appreciation and interest among many institutions and companies focused on this particular sector of sport.





NEVER SEEN BEFORE EVENTS WITH SIMULATORS

“Pilot for a day”. Would you like to offer your guests such a unique experience and thrill?

You can hire our state-of-the-art F1 and GT simulators worldwide to turn your event into a unique and exclusive experience for your guests.

***All Turnkey.** We will take care of everything: preliminary checks, transport, installation and experience management.*

To complete the racing atmosphere, telemetry, test drive videos and professional coaching are also available.

CUSTOMIZE YOUR EVENT

Wave Italy can **customize simulator liveries** with the desired colors and branding **banners** of your company or partners and **sponsors** can be inserted in the **circuit graphics**.

A Maxi Screen will be entertain all the guests, watching the race of those engaged at that moment on the track.

If your event takes place in two or more different locations, the simulators can be networked to compete together.

DO YOU MISS THE LOCATION?

Would you like to organise or give away private or corporate Events, Team Building sessions, press conferences or parties with friends?

Book the **Wave Racing Simulation Center** in Verona, a modern space for your events, equipped with the best GT station.

The stations in our Center can also connect online with other Sim Racers on the same simulation platform. On request, we can provide catering and the typical physical training of a pilot.

We can also be the reference for Event Agencies who wish to collaborate with us, for ongoing activities with their customers.



WAVE EXPERIENCE

APP - WAVE EXPERIENCE MANAGEMENT & BILLING FOR YOUR EVENTS AND YOUR SIMULATION CENTER

We created and patented a very simple and intuitive APP system to simplify the management of all activities in a Simulation Center, even remotely. This APP allows you to monitor simulator activity in real time, produce operational analyses, create reports, provide business statistics and more functions.

1) SOFT VERSION: WAVE MANAGEMENT

With a mobile phone, you can choose the track, the cars to drive, the nickname of the driver, the duration of the simulation. It is used eg. during an event, when there is no need for reservations.

2) FULL VERSION: WAVE MANAGEMENT AND BILLING

Ticket office and reservations

It is active on site or through a dedicated and customizable website for the customer eg. https://simulationcenter.waveitaly.com/sim_museo_ferrari_maranello.php

The system displays a table of times/dates and sends a QR code for confirmation, with the day and time of the reservation, which then activates the simulator at the time of the experience, showing it to the operator who thus records a session.

Any resubmission of the same code precludes the activation of the simulation.

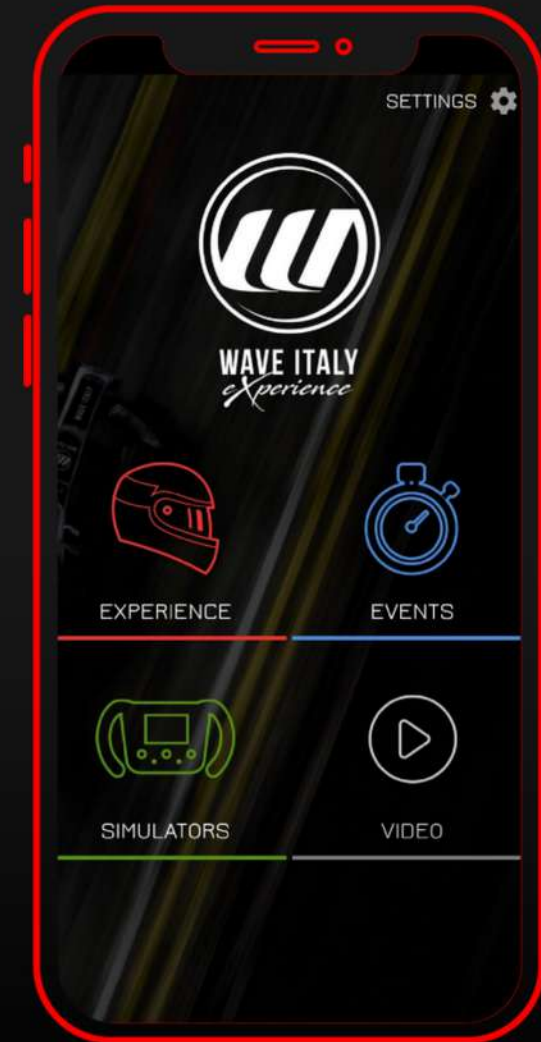
With just one click you can easily switch from Customer Mode to Event Mode, also varying the duration of the simulation.

It is possible to grant free tickets with written motivation, sessions for technical tests, etc., via different dedicated QR codes.

Report

The system can produce accounting reports at the end of the day, even remotely, by checking the number of sessions performed and the relative turnover.

A series of business analyzes can then be obtained, also allowing the data to be easily transferred to a computer.



PERIPHERALS FOR SIM RACING

FROM REAL RACING CARS... TO YOUR SIMULATORS

A professional driving simulator requires peripherals that are up to the task.

With internal R&D Wave Italy developed them by designing and manufacturing the control peripherals in-house, creating steering wheels and Sim Racing pedals.

The unique 16-bit electronics, the many possible adjustments and customizations, the driving precision and the quality of the feedback are best in class.

A “must have” for Sim Racers seeking the best, to go faster.

The **steering wheels** are in Formula and GT version, the pedal sets have various layouts, 2 or 3 pedals with ground support (Monza) or reversed support (Imola).

WAVE IMPACT STEERING WHEEL

Knobs functions and operating modes, fully customisable

Attention to detail, maximum driving comfort and quality of all materials and finishes make these Sim Racing professional steering wheels the controller you need to achieve top performance and experience all the thrills of real racing.

Wave Impact is based on the controller used in real F1 cars. It is characterised by reliability, freedom to customise all functions and a hand-crafted aesthetic in every detail.

WAVE IMPETUS MONZA PEDALS

Perfect mix of technology and Italian style

Designed to offer you an unforgettable driving experience, based on the know-how and vast experience of professional drivers.

Ideal for the performance-oriented Sim Racer or for enthusiasts seeking realistic driving feedback. Many customized settings are possible. Exclusive 16-bit electronics.

Made entirely of anodized aluminum for longer durability.

Some parts, colored as desired, enhance the aesthetic quality.





PROFESSIONAL TRAINING CENTER

WE TRAIN YOUR TALENT

Two simulators in parallel, seventy telemetry channels in real-time, a real driver as your personal coach. The best to train you fully and professionally and prepare you for actual races on the track.

In simulator driving sessions, **we help you improve your driving skills and race strategy** using different tools and technologies. Thanks to the **accuracy of our physical models** for our cars and tracks, which are constantly updated for greater precision, in our **Professional Training Centre** we offer drivers and teams the opportunity to prepare for the race weekend in the best way possible, simulating in the most accurate manner and tailored to their specific needs.

Wave Apex simulators offer all the best technology for maximum pro training effectiveness: all-round screens with 220° FOV, 4mt diameter and 2.5mt height, real-time telemetry and a specific motion system for the car body and active belts.

COMPETITION TRAINING

Real time telemetry

The highlight of the Wave Professional Training Centre is the presence of **two interconnected Wave Apex simulators**, which will allow the pilot to train even in “competition mode”, thus subjecting him or her to the solid psycho-physical stress typical of racing.

This training is essential to improve mental clarity, reflexes and concentration even in the most challenging moments of a race, such as the start, the stages of studying an opponent, overtaking, defending own position and especially the last stages of the race. A real second driver, in this case, is more valuable as training partner than a competitor simulated by the software.

The **real time telemetry** with more than 70 channels allows a large amount of data to be analyzed to improve even the smallest driving details.

PROFESSIONAL DRIVER COACH

Learning from someone who knows the track and the simulator

Wave Italy provides a **Driver Coach** who, thanks to the latest-generation Live-Timing telemetry and other cutting-edge tools, will suggest behaviours and strategies for tackling a circuit or correct in real-time any errors and imperfections in the driver's driving technique. Once back on the actual track, this wealth of experience and training will prove invaluable and successful.

Among our coaches in the Professional Training Centre is Marco Zipoli, a multiple World Champion in Endurance Karting, trainer of many drivers, and former F1 test driver for Scuderia Ferrari.

We also offer the Training Online and some specific courses, such as the Kart Campus, for those who need to learn how to switch from driving a kart to driving a Formula.

RACING SIMULATION CENTER

LOCATION FOR **SIM RACERS AND EVENTS**

Discover the Sim Hall in Verona that you can book to train on our driving simulators, have fun with friends, and realize your special event by following the races on the Maxi-screens. A professional environment like you've never seen.

Would you like to experience the thrills of a driving simulation where understeer, braking at the limit, and acceleration with a turbocharged engine transfer you the exact reactions of a car on the track?

We well know this adrenaline feeling, which is why we want to share it with you in our Racing Simulation Centre.

In our center both professional pilots and Sim Racers train and it is accessible by reservation. The same location is available for Corporate or private events (Conventions, Press Days, new Team Building experiences, Parties and Special Anniversaries).

We can also offer a Team Building Experience that includes Simulators + Mental Coach + Athletic Trainer.

RACE STATIONS AND MAXI-SCREEN

Highlights that embody the spirit of Wave Italy:

- a pedal set that allows brake pressures of up to 150 kg and a perfect feeling
- a throttle reacting as promptly as required in real races
- a steering wheel used by real drivers, including braking balance, traction control level and extensive real time data in the colour display.

Training can be carried out individually or with your friends, to conduct simultaneous online sim racing, even networked with other Sim Racers in other parts of the world.

The maxi-screen in the hall, connected to a dynamic direction, shows the entire track activity to everyone present.





E-SPORT RACING TEAM

WE ARE THE FIRST TO GET INVOLVED

We created an official e-Sport team that already achieved significant results. Follow the live coverage of the Championships on several social channels and some even on TV.

WAVE ITALY RACING TEAM

Wave Italy has always been active in the Sim Racing world by sponsoring major national (ACI e-Sport) and international championships.

Our official Wave Italy Racing Team (WIRT) was born in 2022, which currently has about fifty drivers and competes in various international championships, including endurance races, with different car categories: F3, GT and Prototypes.

Many are already the excellent results collected, listed on our site.



TEAM ORGANIZATION

Alex Martinelli
CEO

Marco Zipoli
Managing Director

Sets the correct "race line" for the Wave Italy Racing Team

Francesco Meola / Dario Agnello
Set-up Developers

Test the engineer set-ups

Andrea Tedeschi
Sport Director

Manages championships and maximises team potential

Gianni Gatti

Chief Operating Officer

Makes possible to run the team engine flawless

Mario Pompeo

Technical Director

Makes sure we understand iRacing

Daniele Guttuso

R&D and IT Director

Creates and maps software

SPONSORSHIP

GET THE BEST VISIBILITY THROUGH **WAVE ITALY RACING TEAM** AND OUR OVERALL ACTIVITIES

By becoming a Wave Italy partner, you are entitled to excellent international visibility, with important positions on the livery of the cars in the race, as well as interesting opportunities in Italy and abroad during events, fairs and various exhibitions.


For those interested in entering the world of e-Sports, we ask you to write us, on the web site or contact us by email, requesting the documentation.




ItalianGesture®




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