

SIMATOK Simulator

SO WHY CHOOSING SIMATOK ?

Result of long-term research and meticulous technical choices.

- Developed and tested by professional race drivers.
- Every component was selected for its excellent quality.
- All our simulators are hand-assembled in our workshop.
- Total immersion cockpit for a unique driving experience.
- Adaptable tubular chassis to fit all settings.
- Ultra-realistic sensations through to the dynamic platform.
- Possibility of tailor-made configurations to fit your needs.



SIMATOK SIMULATOR
Rte de Romont 3
1699 Porsel
Suisse
Tel + 41 76 398 01 27
info@simatok.ch
www.simatok.ch



Specifications

Ultimate training tool

The SIMATOK simulator is a race car virtual cockpit.

Its carefully screened and selected components enable to drive in any motorsport discipline on various virtual tracks.

Those tracks were modeled in 3D and display physical properties (e.g., curves, slopes, irregularities of the road surface, etc.) that are accurately transmitted to the driver through a cutting-edge latest generation dynamic chassis.

Robust dynamic structure

"H"-type chassis mounted on four electromagnetic jacks enabling the simulator to move on three axes.

- Cockpit made of mechanically welded frame consisting of welded steel sections. All controls are manually adjustable for left and right.
- Ultra high-precision steering column with force feedback motor.
- Pedal set with pressure sensors and customisable settings.

Unique driving experience

- All the car's body movements are accurately transmitted to the driver without any noise.
- The wide field of view rendered by three fixed HD LCD monitors or 180° screen enables the driver to look far ahead and anticipate the next curves.
- The steering wheel's force feedback system combined with the professional pedal set deliver all the sensations generated by the road to the driver.

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Specifications

Swiss-made high-tech concentrate

In addition to their dynamic structure, our simulators are equipped with:

- High-performance computer (eSport configuration)
- 3x HD LCD monitors or 180° screen
- Multi-channel 5.1 audio system.
- Authentic racing bucket seat with a 4-point harness.
- Racing steering wheel with suede leather, gear pads and customisable buttons.
- Sequential gear lever.
- Manual "H"-type 6-speed gear shifter.
- Racing steering wheel.
- Vertical hydraulic handbrake via USB controller.

Possibility of tailor-made configurations:

For instance: We developed, in close collaboration with the Duqueine Engineering Team, customised hand controls (brake and throttle) for paraplegic drivers.

- Lacquer-coated carbon-fiber dashboard with customisable buttons and a digital LED dashboard.
- Sound insulation box on aluminium frame.

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D-Box Motion

The 1st haptic system licensed by the FIA

With D-BOX technology making you feel every texture change and every bump in the track, our haptic systems offer you professional-grade simulation right from home

Built to last with little to no maintenance

Our 1.5" actuators provide the range of motion necessary to silently & accurately replicate the subtleties of all sorts of circuits, from the classic oval to the harshest rally stage

For months, FIA engineers and technical experts reviewed D-BOX haptic systems and deemed it the only haptic system worthy of an FIA license

We're proud to partner with eNASCAR, home to some of the world's most prominent simulated racing series

MAXIMUM LIFTING CAPACITY 250 lb / 114 kg
MAXIMUM STROKE 1.5 inch / 38.1 mm
MAXIMUM VELOCITY 100 mm/s
MAXIMUM ACCELERATION +/- 1 g-force
4 ACTUATORS 254 W 4.1A



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LEO BODNAR
E L E C T R O N I C S



Force Feedback System

SimSteering2 FFB System (53) - Advanced

A high performance simulator steering system for professional use. Developed over a period of years, the high precision and completely linear response coupled with high strength provides the ultimate in realistic steering force feedback for all types of driving.

*Used by many teams participating in race series including F1, GP2, F3, LMP1, LMP2, GT and WTCC.

High precision and strength industrial grade brushless servo motor (53)

Smooth, precise, reliable and compact, the high quality servo motor provides up to 20.5Nm of torque and has an incredibly high resolution feedback system. Real world steering forces can be translated to the driver in a powerful yet controlled way. A higher and lower strength motor are also available

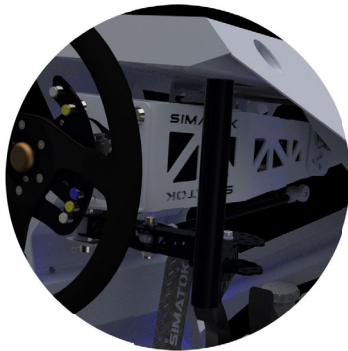
Powered by regular mains power - 100 to 240V (AC)



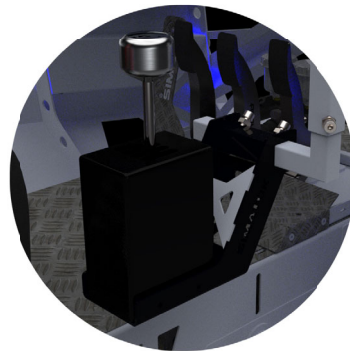
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Options

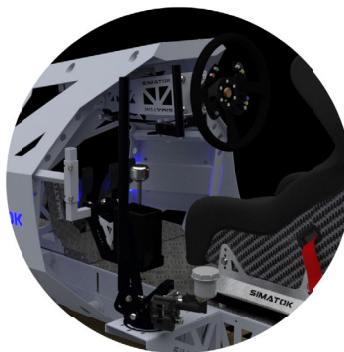
Sequential Shifter



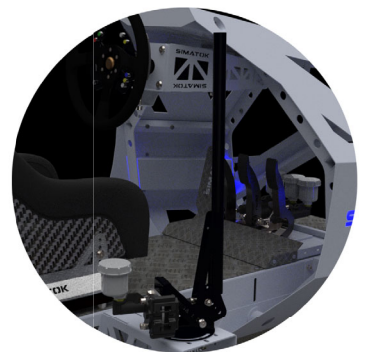
Gearbox 6H



Steering Wheel



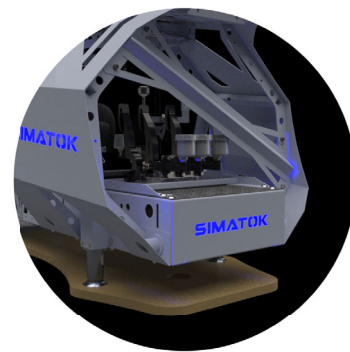
Left & Right



Handbrake

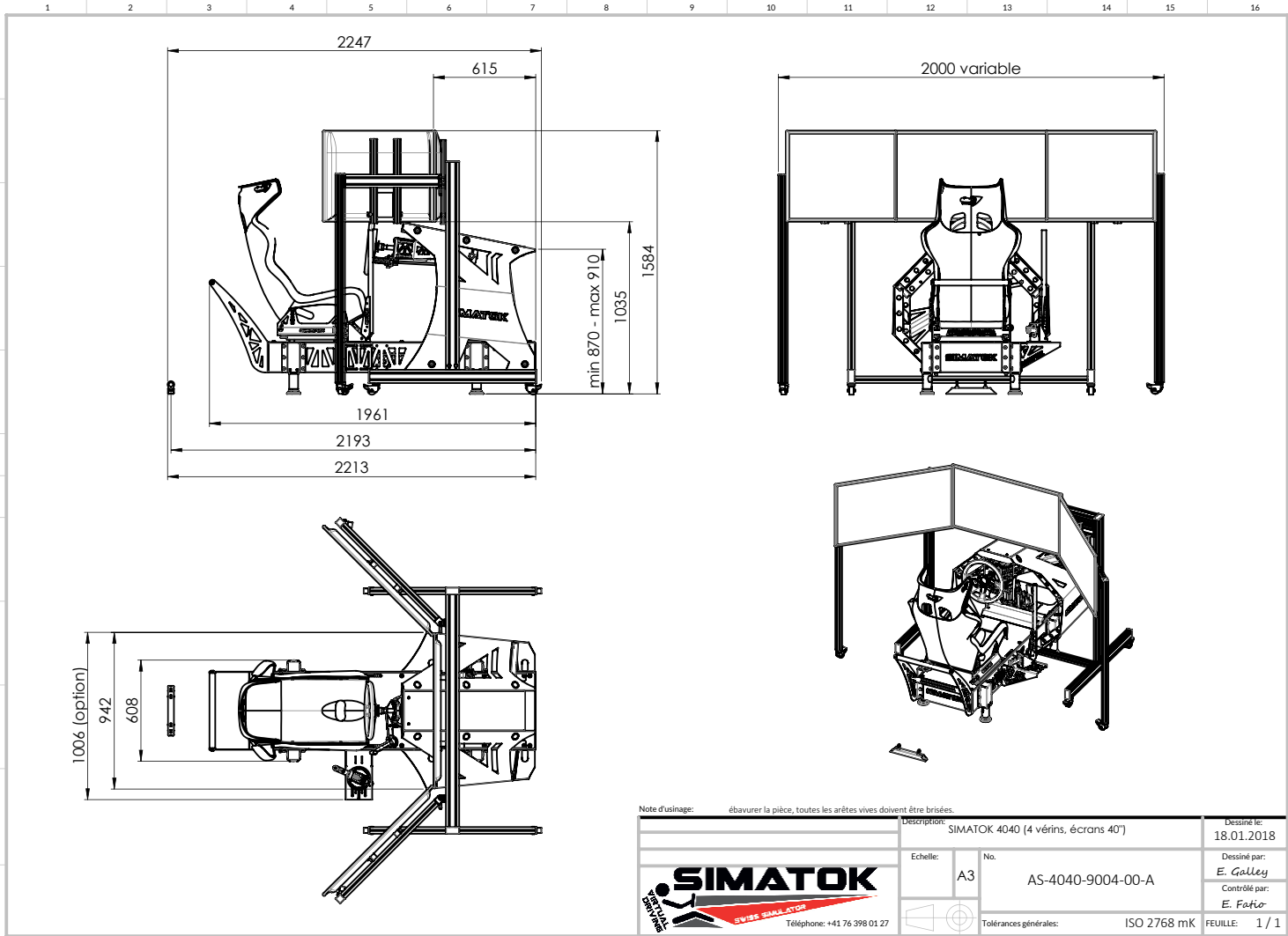


Hydraulic System



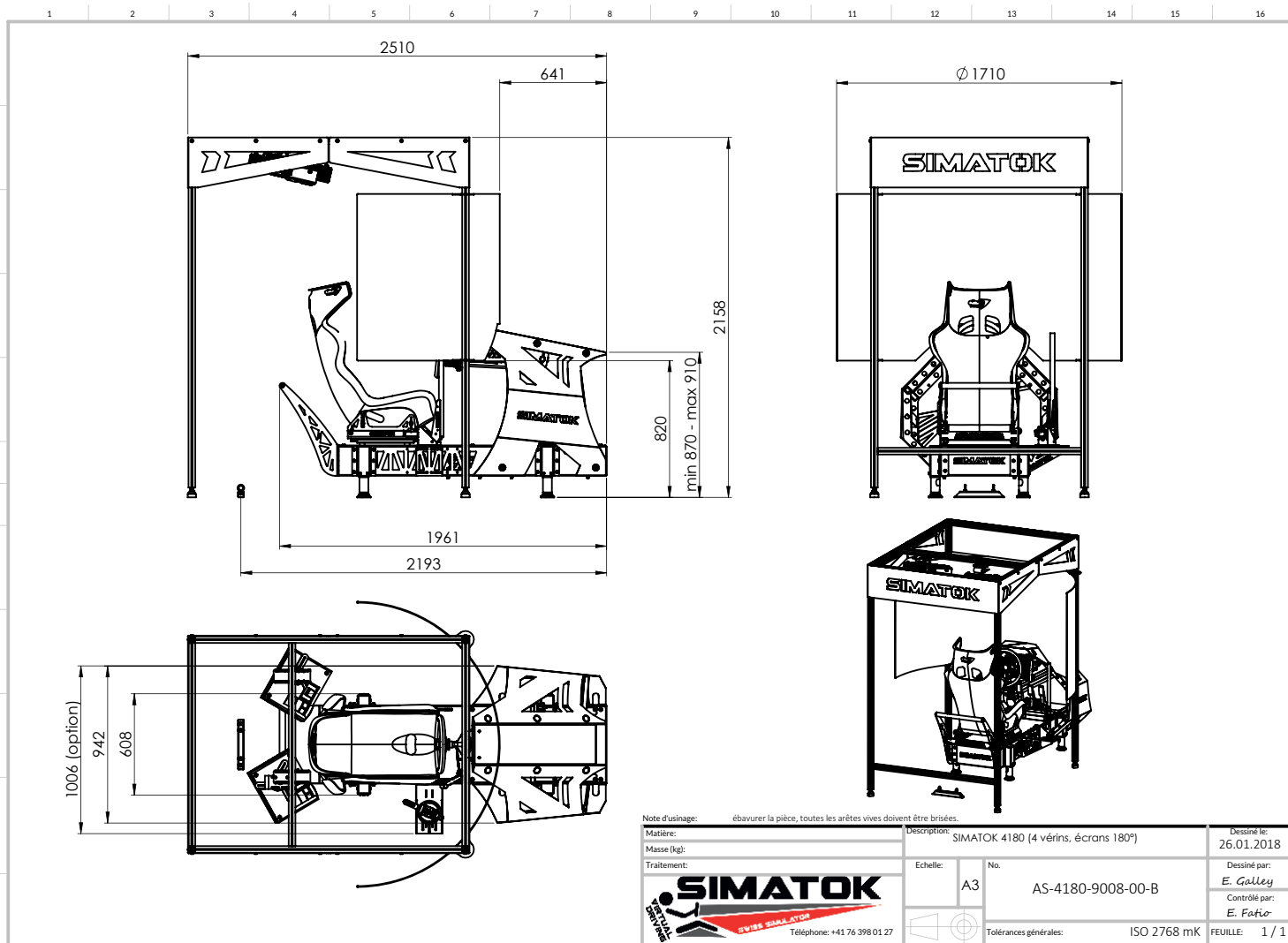
Hydraulic pedals

3x LCD Screen



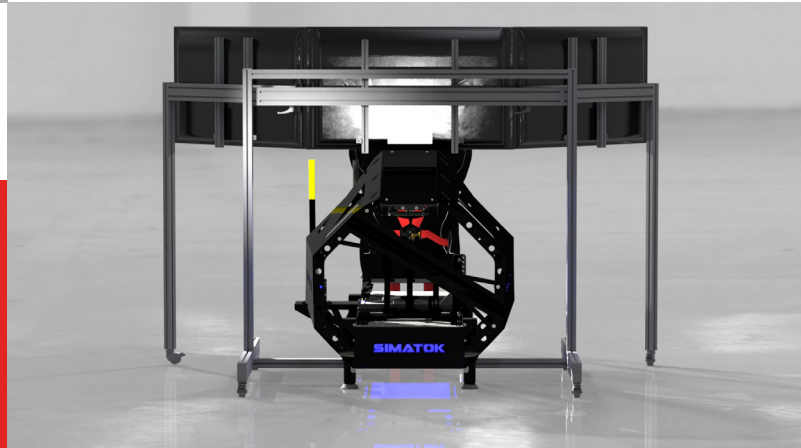
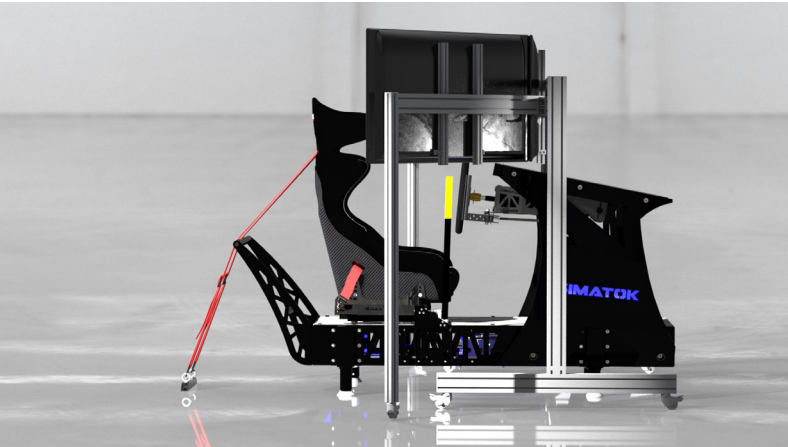
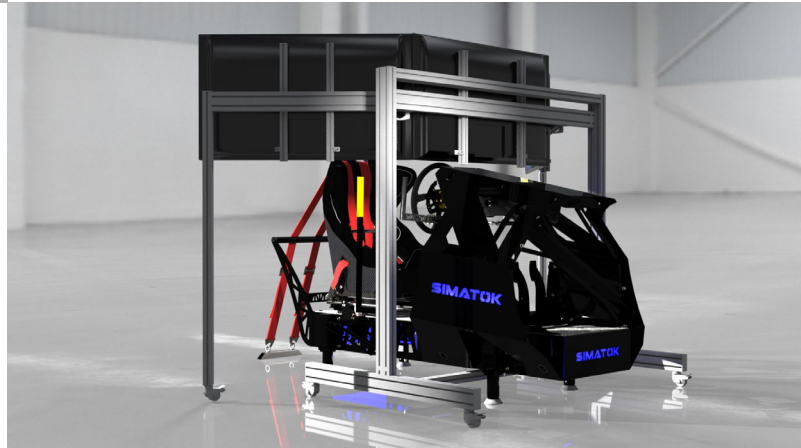
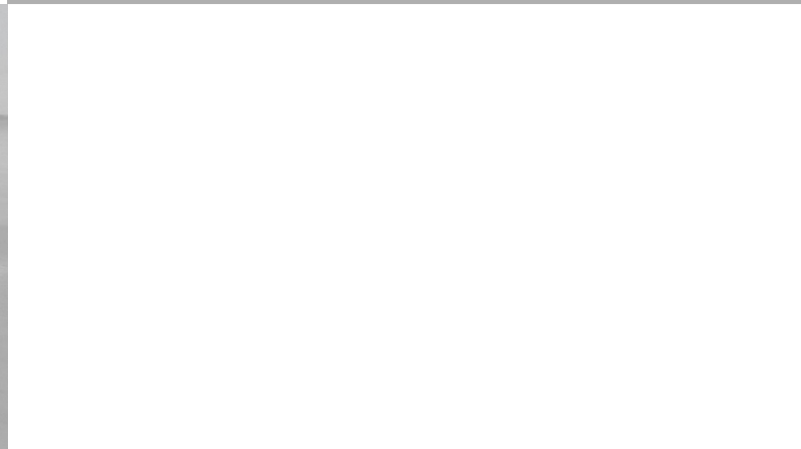
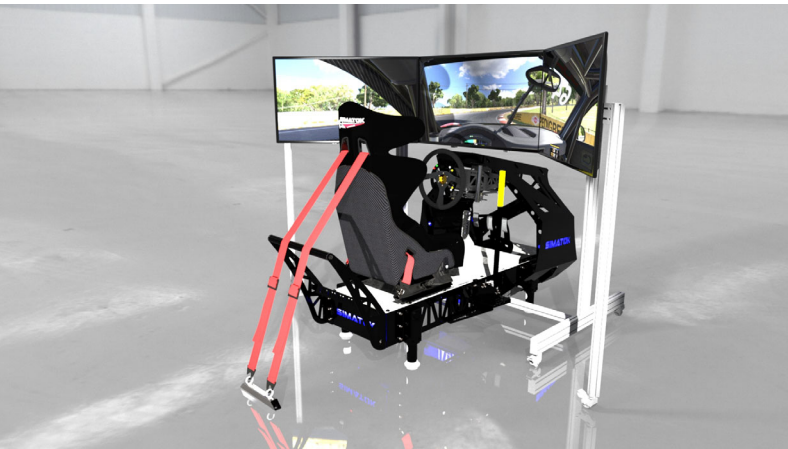
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180° Screen



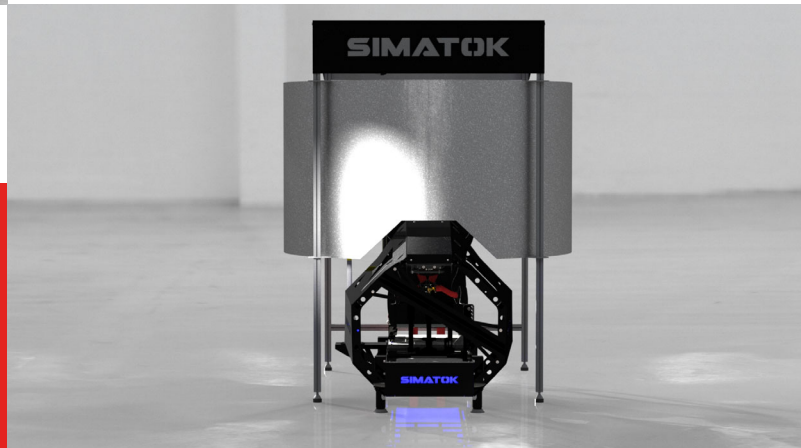
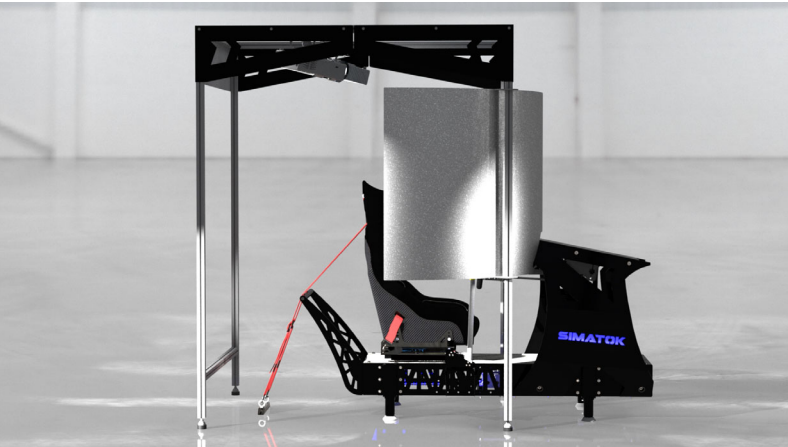
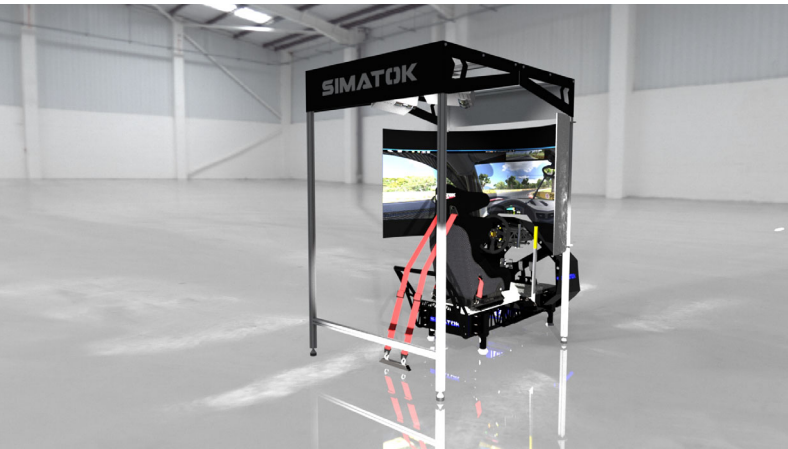
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3x LCD Screen



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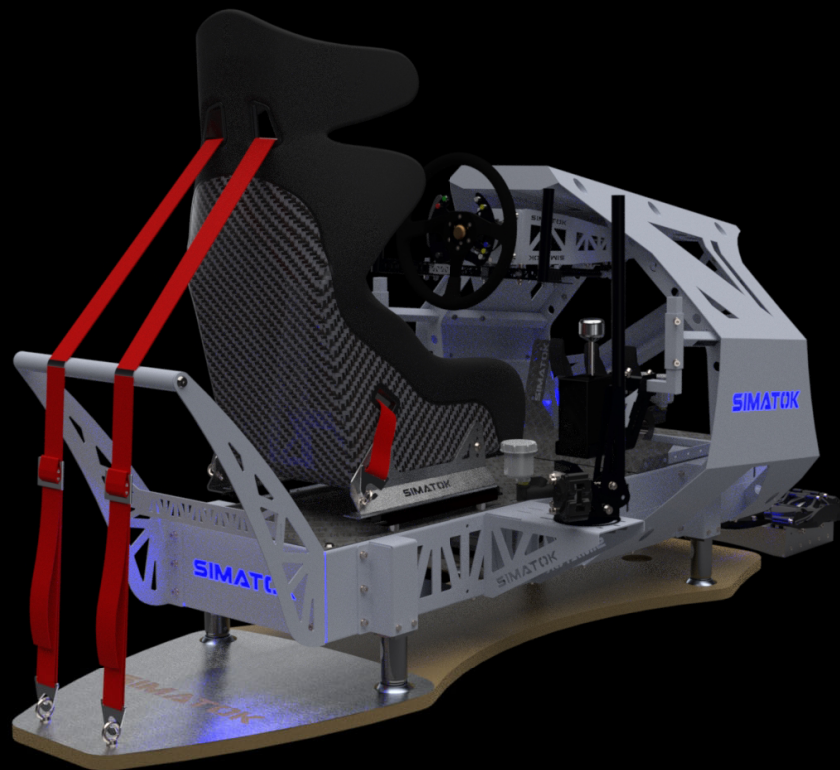
180° Screen



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Suisse
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SIMATOK
VIRTUAL DRIVING
SWISS SIMULATOR



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1699 Porsel
Suisse
Tel + 41 76 398 01 27
info@simatok.ch
www.simatok.ch

