

## Press release

Weßling, 3<sup>rd</sup> august 2023

### **New best performance for high-end driving simulators: Tyre model FTire can now be used with SensoWheel simulator steering wheel.**

**Almost every major automotive company, supplier and simulator manufacturer has relied on Sensodrive GmbH as their preferred partner for the development of high-end driving simulators for years. Sensodrive simulator products regularly set new standards in their fields. And now the company has actually doubled the best possible performance for simulator manufacturers with its SensoWheel. That's because the No. 1 force feedback steering wheel can now be used with cosin's market-leading FTire simulation software.**

#### **Two market-leading solutions that enable a new level of performance for driving simulators.**

Good news for the manufacturers of high-end driving simulators. The tyre simulation specialist cosin scientific software has expanded its simulation model FTire to include an interface for the Sensodrive SensoWheel.

From now on, the high-frequency physical tyre model can be combined with the most technically sophisticated force feedback steering wheel on the market, which realistically converts the high-precision simulation of tyre dynamics into haptic feedback for the "driver" in the simulator. The driver feels the road structure through the steering wheel exactly as they would in a real vehicle.

Whether summer or winter tyres, highway or cobblestones – thanks to Sensodrive and cosin, the corresponding driving experience can now be felt up close in the simulator. This makes the simulation of a full vehicle model more realistic than ever before.

#### **SensoWheel – the No. 1 simulator steering wheel**

The SensoWheel from Sensodrive was the first direct drive force feedback steering wheel on the market. It has been implemented in over a thousand simulators to date thanks to its completely precise and realistic performance. With three model variants, it covers all requirements from the compact entry-level version to the powerful high-end steering wheel for racing simulators.

"The SensoWheel impresses above all with its extraordinarily sensitive force feedback and completely realistic steering feel simulation," explains Sensodrive Managing Director Norbert Sporer. "Steering wheel torque, damping, friction, spring stiffness and end stops are freely programmable, meaning the SensoWheel offers unique possibilities for the perfect implementation of the most sophisticated simulation software. There's a good reason why our force feedback steering wheel is the preferred choice of renowned automotive and simulator manufacturers."

## **FTire – The Virtual Twin**

cosin scientific software AG is a simulation software provider for sophisticated tyre and road modelling for vehicle dynamics simulation. The core product, FTire, is the leading high-frequency, universally applicable tyre model.

Virtual testing is crucial, and driving simulators and other hardware-in-the-loop systems are increasingly replacing real-world testing. The availability of FTire throughout the total development cycle is unique and ensures consistency for all simulation applications.

Together with numerous partners worldwide, cosin offers a wide range of services for measuring tyre data, identifying parameters and surveying road surfaces.

## **Experience the new best performance live – at the DSC 2023 in Antibes.**

The Driving Simulation Conference (DSC) is the leading international trade fair for driving simulation technology. Every autumn, commercial simulation providers and driving simulation specialists from both industry and academia meet here to learn about the latest developments and industry trends. Sensodrive GmbH from Weßling, Germany, has been one of the leading suppliers of force feedback solutions for decades. At this year's DSC, the company will present both its market-leading force feedback steering wheel "SensoWheel" and its active simulator pedals "SensoPedals Pro".

Interested companies can experience the product highlights at a hands-on station on the Sensodrive trade fair booth and obtain comprehensive information from the Sensodrive experts.

## **Sensodrive at the DSC 2023 EUROPE VR**

6-8 September 2023

Palais des Congrès d'Antibes, France

Stand no. 18

## About Sensodrive

Sensodrive is a German high-tech company specialising in the development of force feedback systems, torque sensors and robotic drives with integrated torque measurement and control. As a spin-off from the German Aerospace Center (DLR), the company has been a pioneer of HRC robotics since 2003 with its patented torque sensors. Sensodrive's innovative torque technologies not only set standards in industrial robotics, but also in medical technology, the automotive sector and force-feedback solutions.

## About cosin

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