



## Successful force feedback test

- Arnold NextG successfully completes endurance test with its steer-by-wire system at the Nürburgring
- Renowned racing driver and former DTM champion Bruno Spengler is impressed by the unique potential of the system
- Force Feedback takes steering precision to a new level - a revolution in steering technology

***Pfronstetten-Aichelau.*** Arnold NextG GmbH has successfully subjected its force feedback system as part of the NX NextMotion drive-by-wire technology to a software test at the Nürburgring.

Arnold NextG raises the level of steering precision to a whole new level with its force feedback technology - integrated into the proprietary NX NextMotion drive-by-wire system. This advanced technology gives the driver a realistic feel (feedback) of the road conditions and the vehicle's handling via the steering wheel. The steering feel is generated from several parameters such as longitudinal and lateral forces, speed, angle measurements and friction.

The advantage is particularly evident on the racetrack: the precise feedback and the adaptive adjustment of steering forces, steering ratio, turn-in force, friction and return allow the driver to act faster and more precisely, significantly increasing control and confidence. Unevenness in the road surface, cornering tendencies or other important driving information can be felt immediately. In addition, the software developed by Arnold NextG dynamically adapts the steering forces to the respective driving situation, thus ensuring optimum stability, increased safety and driving pleasure.

A clear advantage of force feedback technology is its adaptability to the individual needs of each driver and the road surface and its contours. This effect ensures a natural, intuitive and absolutely customized driving experience - both on the racetrack and on the road. This is the first time in 138 years of automotive engineering that steering technology has changed fundamentally.

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## **Reactions to the successful test**

Bruno Spengler, Canadian racing driver and 2012 DTM champion, is enthusiastic after the extensive test at the Nürburgring: "Arnold NextG's technology has unique potential for the future of modern steering systems. I have to admit, I was really impressed by how fantastically the system works during the test drive."

Kevin Arnold, Managing Director of Arnold NextG GmbH, says: "Our force feedback system proved in the test that it can individually optimize even the very good steering systems of the manufacturers."

Overall, the innovative force feedback technology from Arnold NextG, which is on its way to series production, marks a milestone in steering technology. It redefines the limits of what is possible. In future, drivers can look forward to impressive precision, feedback and agility, making every drive an intense and safe experience.

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*Test of the steer-by-wire-system of Arnold NextG at the Nürburgring*

*Source: Arnold NextG*



*The central control unit in the test vehicle*

*Source: Arnold NextG*



*Racing driver Bruno Spengler (right) and Arnold NextG CEO, Kevin Arnold, in conversation*

*Source: Arnold NextG*

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## About Arnold NextG GmbH

Arnold NextG realises the safety-by-wire® technology of tomorrow: the globally unique and multi-redundant central control unit NX NextMotion, which enables vehicle-independent, fail-safe and individual implementation. As an independent advance developer, incubator and system supplier, Arnold NextG takes on the planning and implementation - from the vision to road approval. With the road approval of NX NextMotion, we are setting the global drive-by-wire standard.