AiRO Launches World's First AI-Powered, CFD-Modelled Aero Bike Fit Platform

Revolutionizing Aerodynamics for Cyclists Worldwide

Salt Lake City, UT (July 31st, 2025) - AiRO announces the debut of the world's first AI-driven, CFD-modelled bike-fit system. AiRO will be launching initially in North America, with plans to expand to other regions as the platform matures. In a groundbreaking move set to transform competitive cycling and performance fitting, AiRO is designed for professional fitters and fit-trained coaches. AiRO makes elite-level aerodynamic optimization accessible, without the need for expensive wind tunnel testing.

At the heart of AiRO is a cutting-edge artificial intelligence engine that turns a few key rider input data points into a precise 3D aerodynamic model, powered by Computational Fluid Dynamics (CFD). Most aerodynamic drag comes from the rider's body, not the bike. A small adjustment can mean the difference between wasted watts and winning speed—but without data, it's just guesswork. In 7 minutes, AiRO can replace what would take hours in a wind tunnel.

This groundbreaking innovation is the result of a collaboration between software engineer Konstantin Usachev and aerodynamicist Ingmar Jungnickel. Konstantin, a former Specialized Bicycles team member, brings deep expertise in high-performance software systems. Ingmar is a world-renowned aerodynamicist whose work has reshaped modern cycling and speed sports. As the former lead engineer for Specialized's Racing Development team and wind tunnel lab, he played a pivotal role in engineering and testing some of the fastest bikes and most efficient rider positions in the world. His vision and technology were also instrumental in propelling the U.S. speed skating pursuit team from 8th place globally to the top of the podium with a new world record.

"AiRO.app brings the wind tunnel to your fingertips," says Jungnickel. "This technology is the next tool in a fitter's tool box, in the past, none of this could be done in a fitters studio. Now technology like Ai and CFD has made windtunnel aero improvements available to every rider, not just the pros. It's about turning data into speed, with no guesswork and no high-cost barriers."

Dons Bikes Max Performance Bike Fit Get ready to unlock your fastest self! We're bringing revolutionary aerodynamic optimization to our shop with AiRO Digital Aero Twin Technology! We are ready to create a precise 3D model of you from photos, simulate airflow with advanced CFD, and find your most efficient position – all at a fraction of the cost and time of a wind tunnel. Stay tuned for a game-changer in bike fitting!