Virtual Reality in the Real World: Transmedia, Planes, and Automobiles

Solomon Rogers - Rewind FX Ltd, Founder / CEO

VI7326

Virtual reality (VR) has been brought to the forefront recently with Oculus VR's Oculus Rift. In this class we will discuss how the emerging technologies around head-mounted displays have reignited VR for those of us in visualization, media, and marketing. We will showcase tips and techniques to use in VR projects, and we'll discuss how this technology can raise the bar in your own projects. We will base the class around profile projects, including the VR Red Bull Air Race experience and stand. This experience started with highly accurate LiDAR (light detection and ranging) scans of the racecourse. Following that, 3ds Max software was used to texturize the models, and then Unreal Engine 4 was used for creation. A physical stand was also designed and engineered by taking 3ds Max software plans back through AutoCAD software and straight to manufacture. The project was also released on mobile platforms, including the new 3D-printed Altergaze mobile-phone VR accessory. We will discuss this device and what it means for rapid prototyping and the open hardware revolution.

Learning Objectives

At the end of this class, you will be able to:

- Learn about the future of virtual reality and head-mounted displays
- Learn how to use 3ds Max software as a design-to-manufacture tool
- Understand the use of 3ds Max software to real-time renderers
- Gain an understanding of 3D printing and open hardware

About the Speaker

Solomon Rogers is passionate about animation, technology, gadgets, digital media, and the way these elements all have such a profound influence on creativity. Founding and running Rewind FX has given Solomon the ability to use all of these elements in striking projects for some amazing clients.

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VRSIMULATOR

PRODUCED BY

RELAIND, EX











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HISTORY OF STEREOSCOPY







REL/IND.

Oculus

\$250,000 Kickstarter \$2,500,000 Raised \$2.5billion Sold to FB







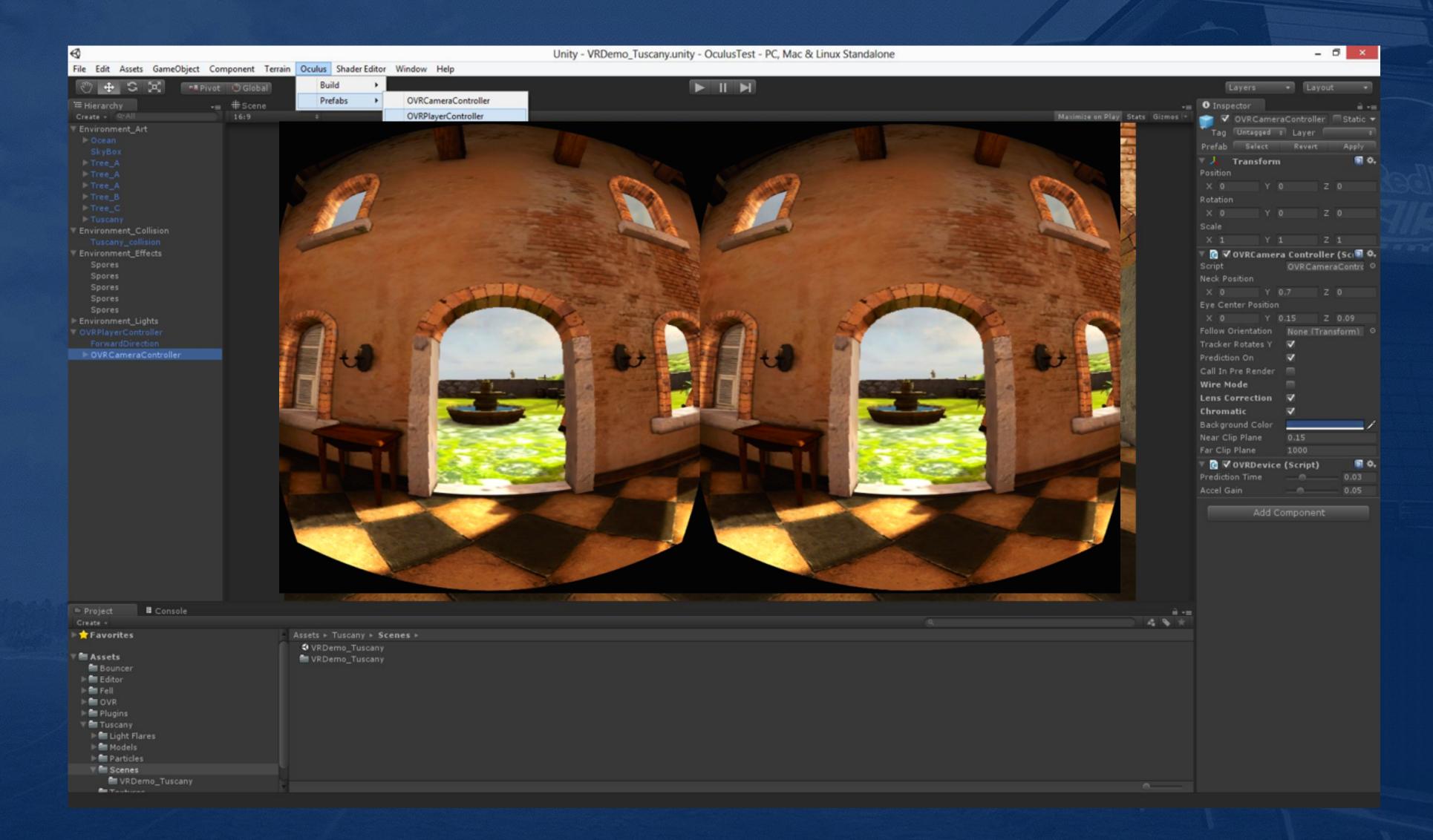
360° FILM













REAL TIME ENGINES

Redbull & Rewind FX















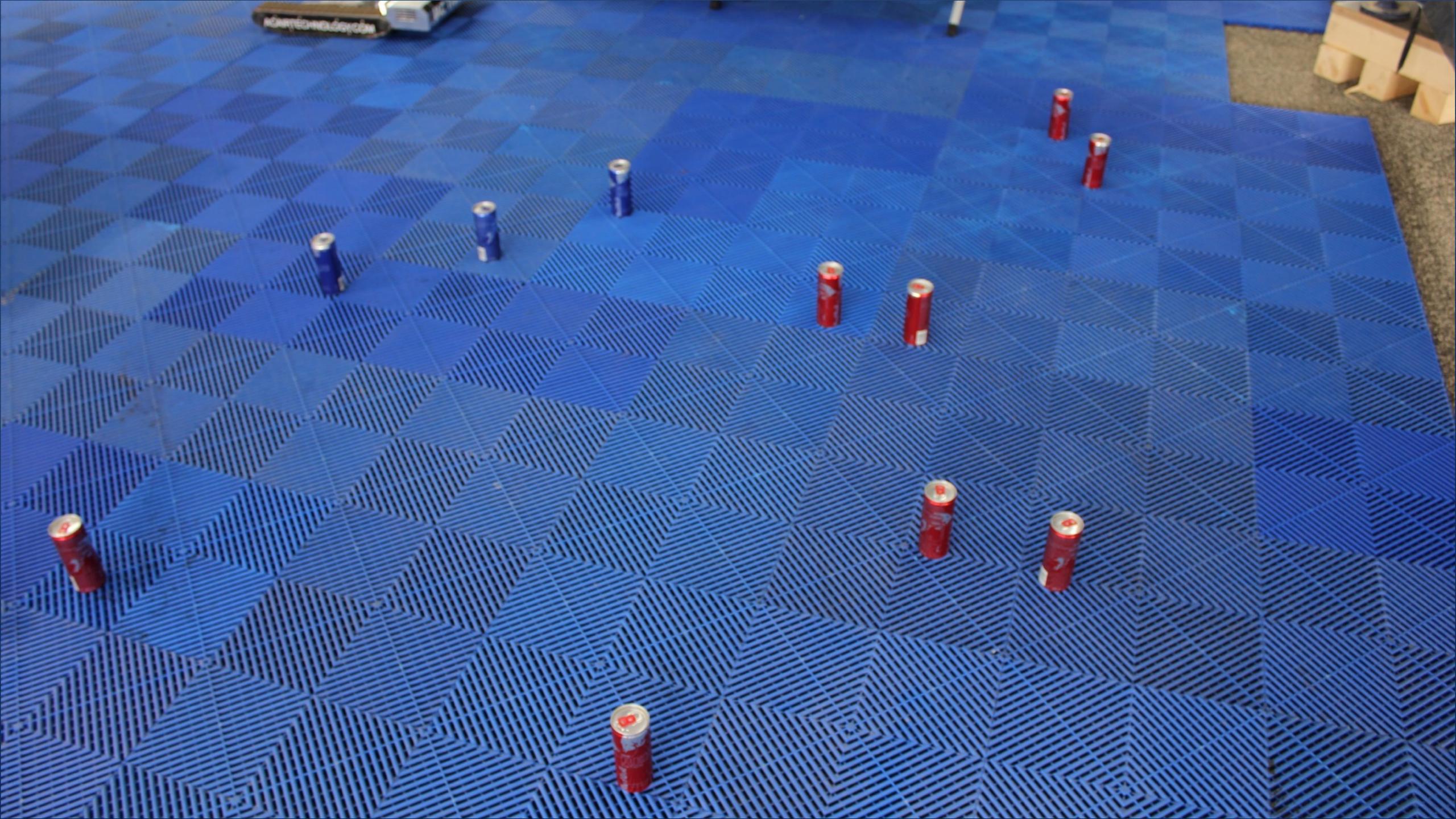


VR Simulation
As close to the real thing



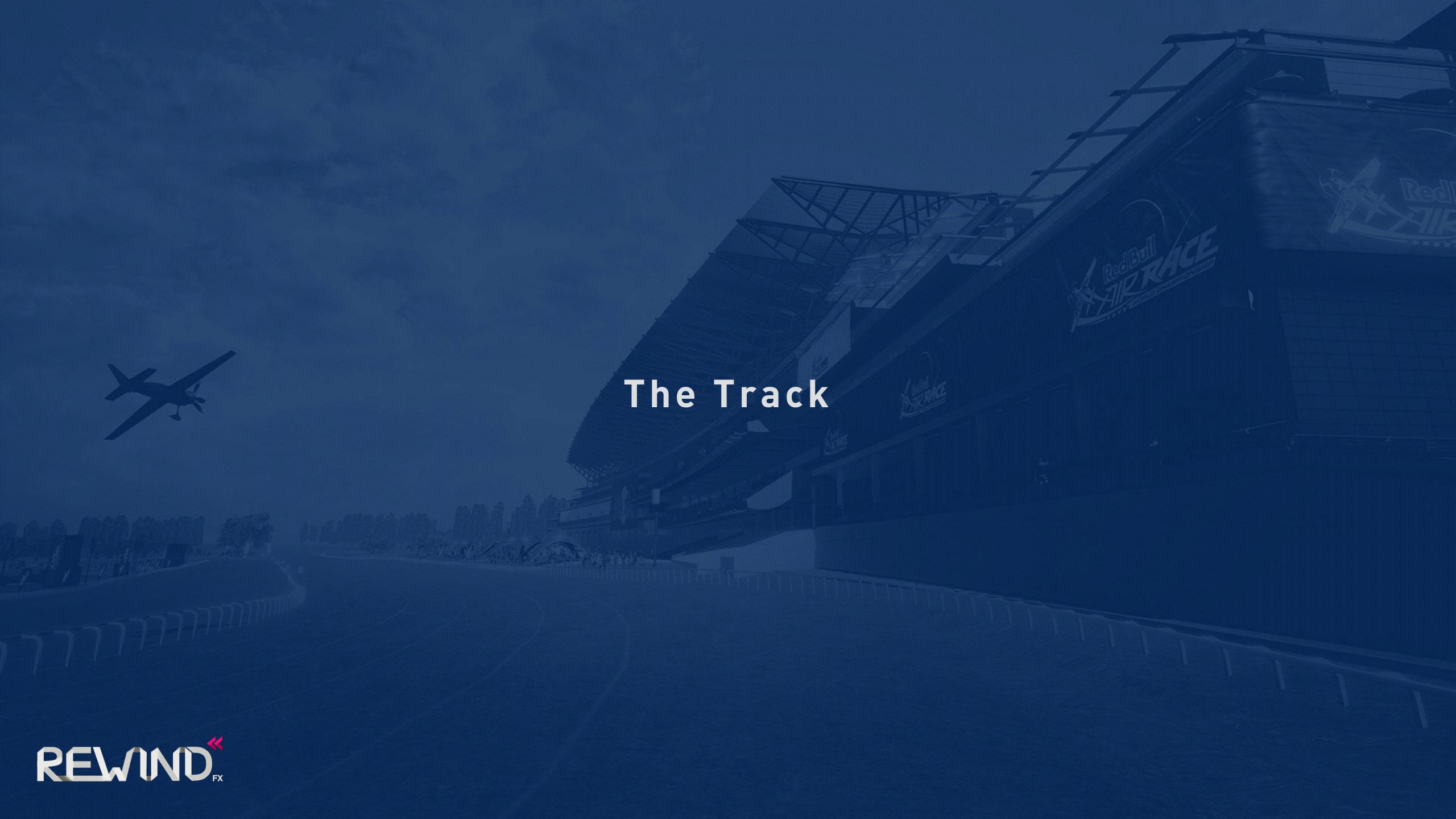




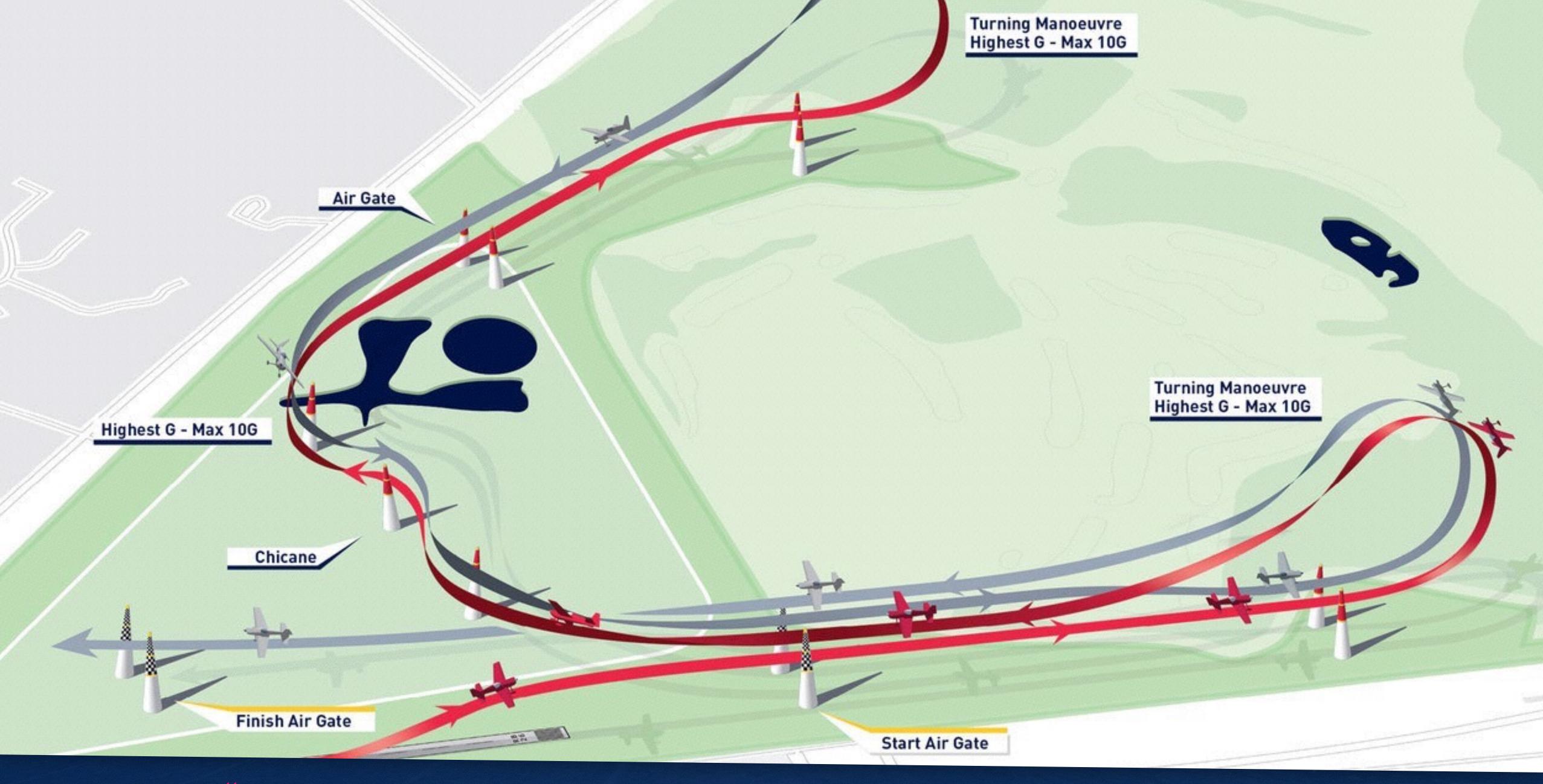














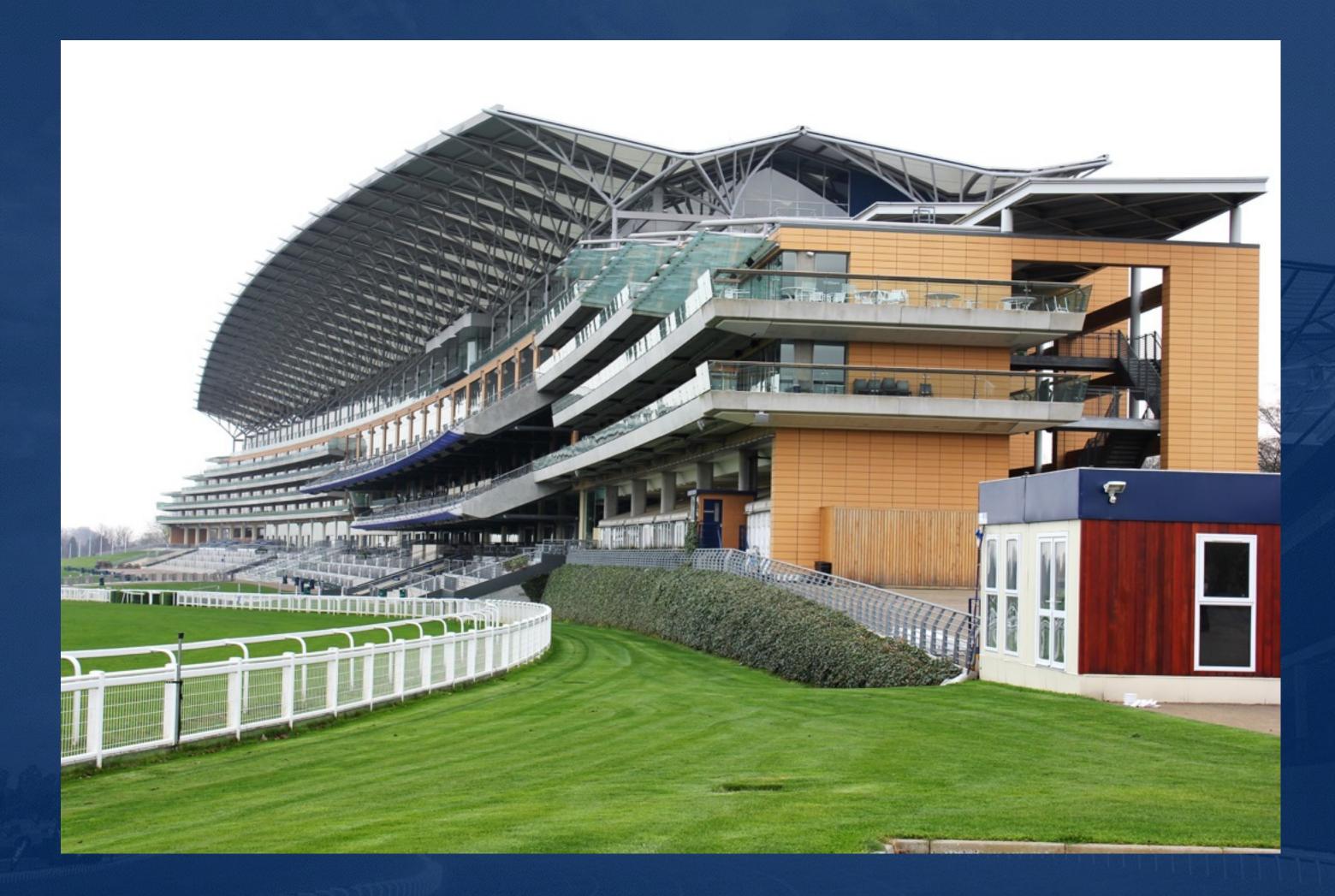




LIDAR HEIGHT MAP



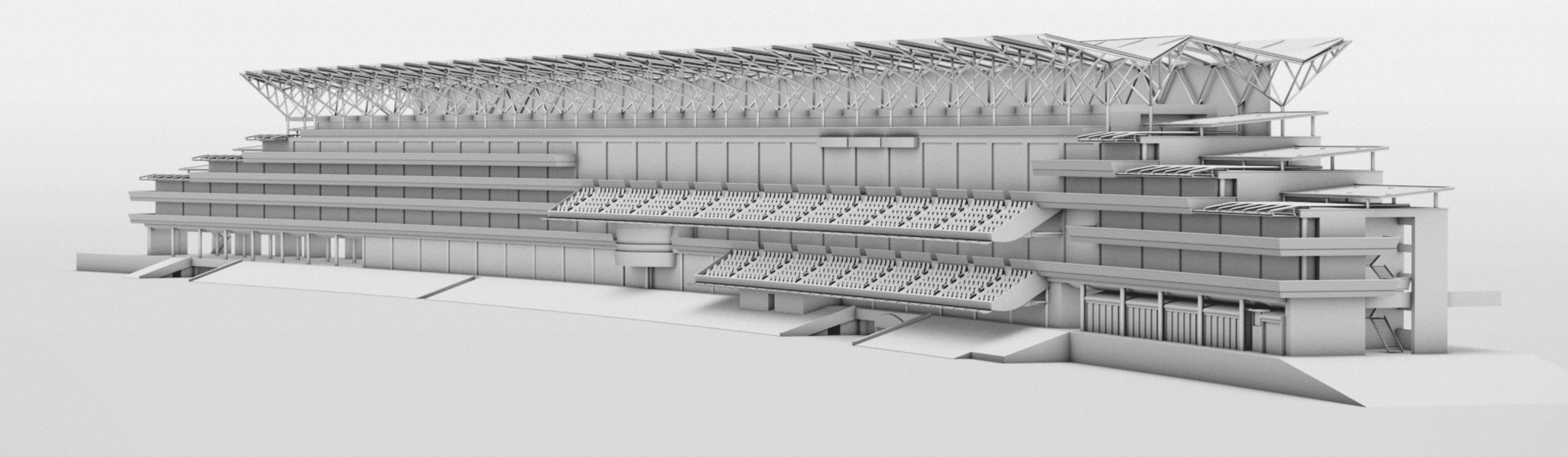


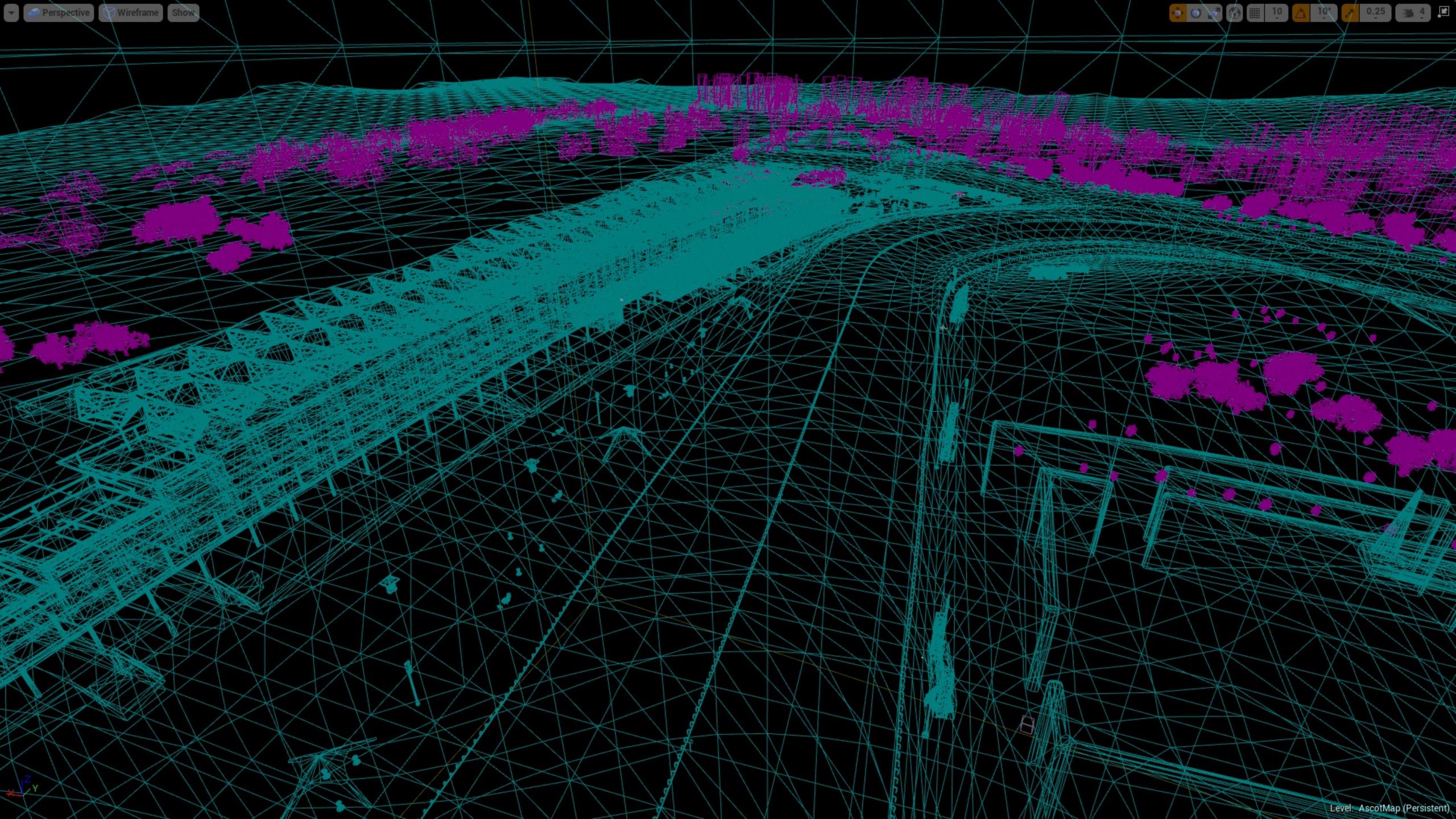




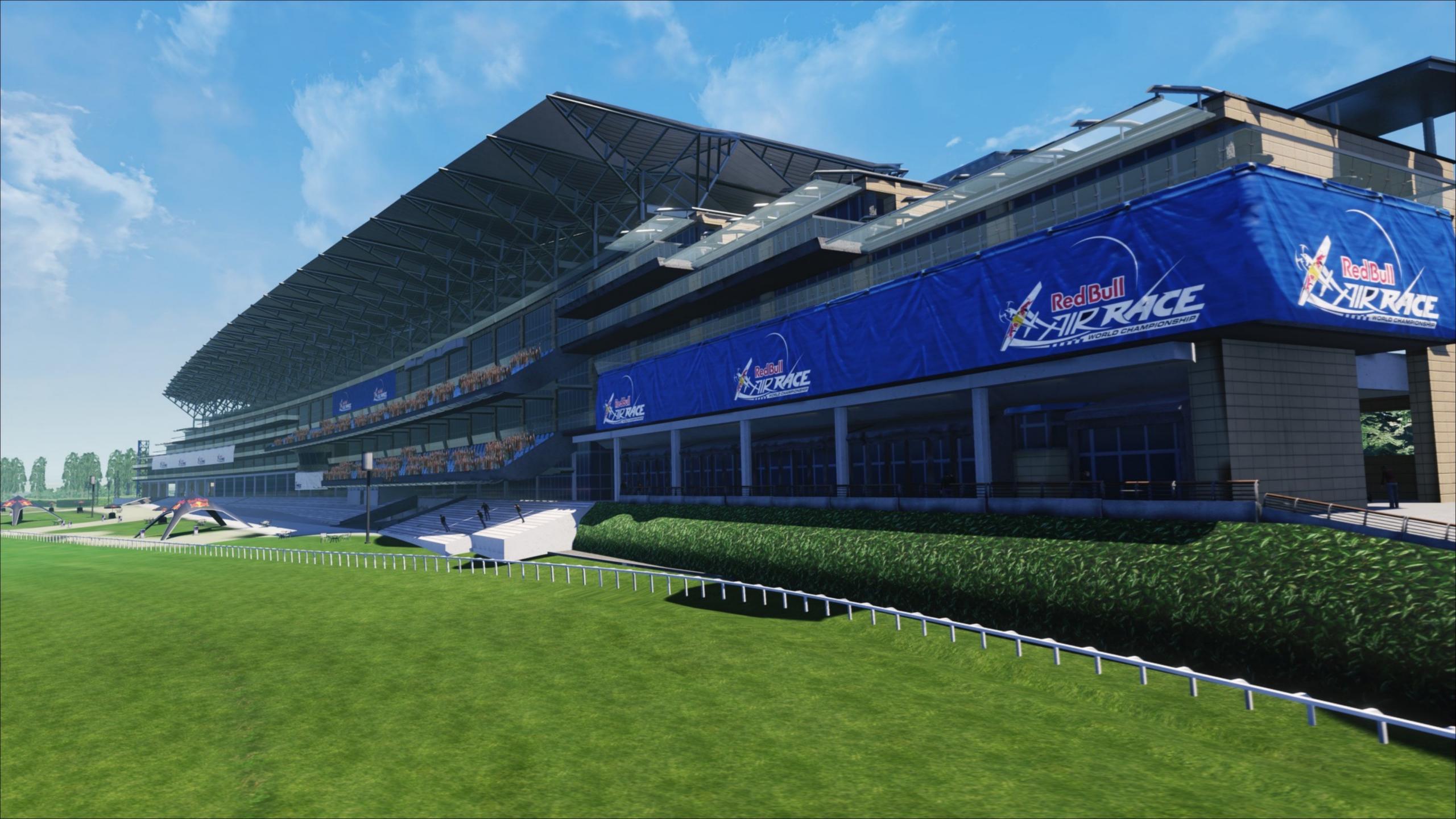








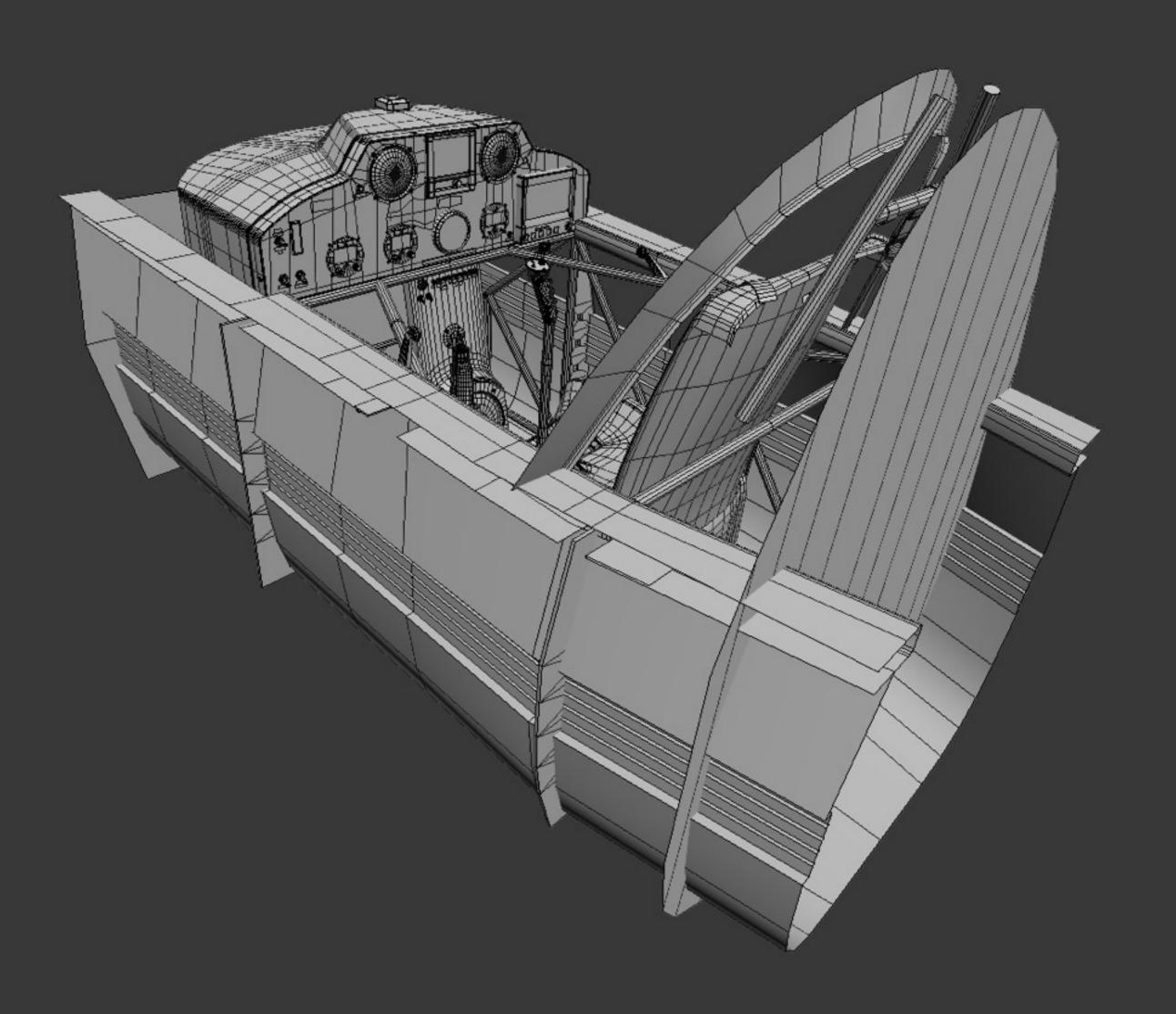


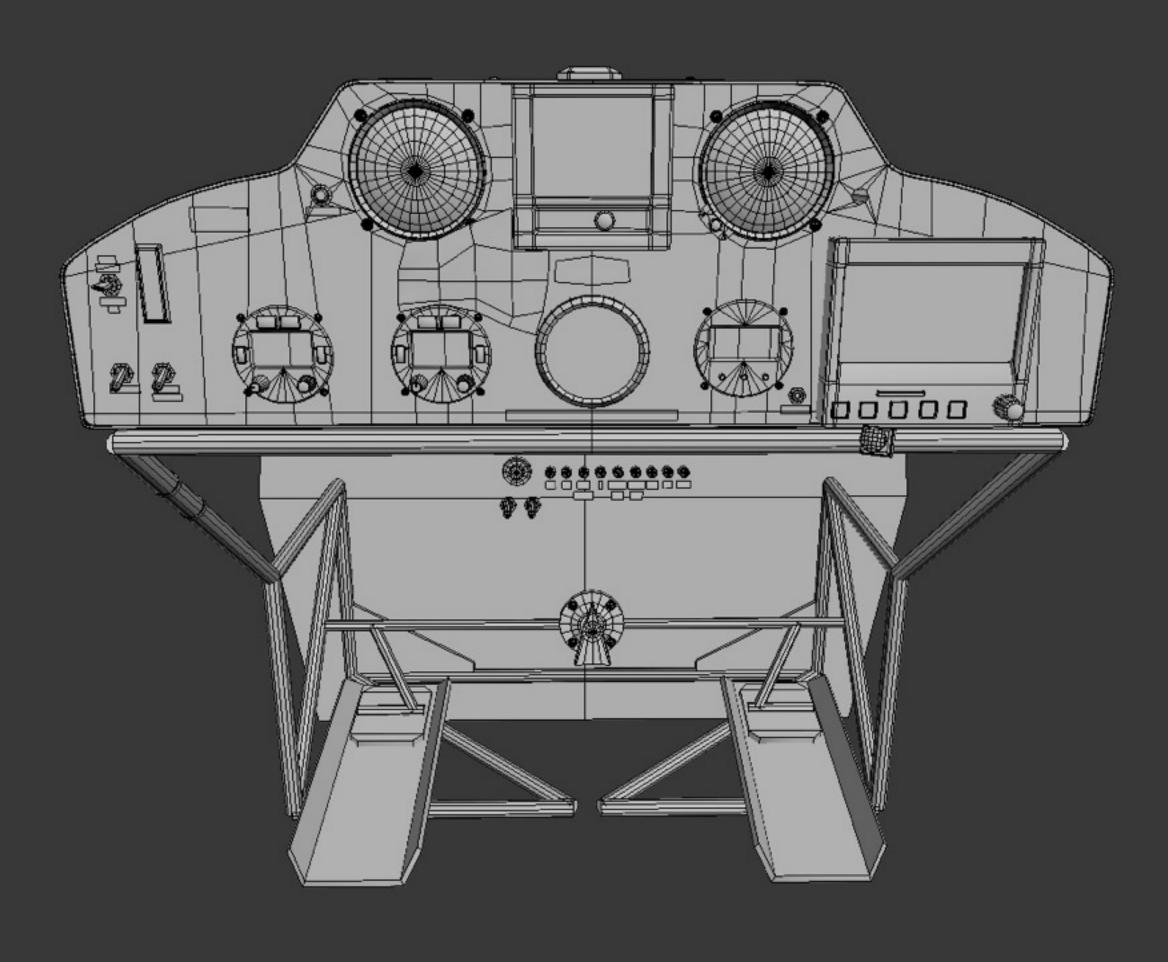








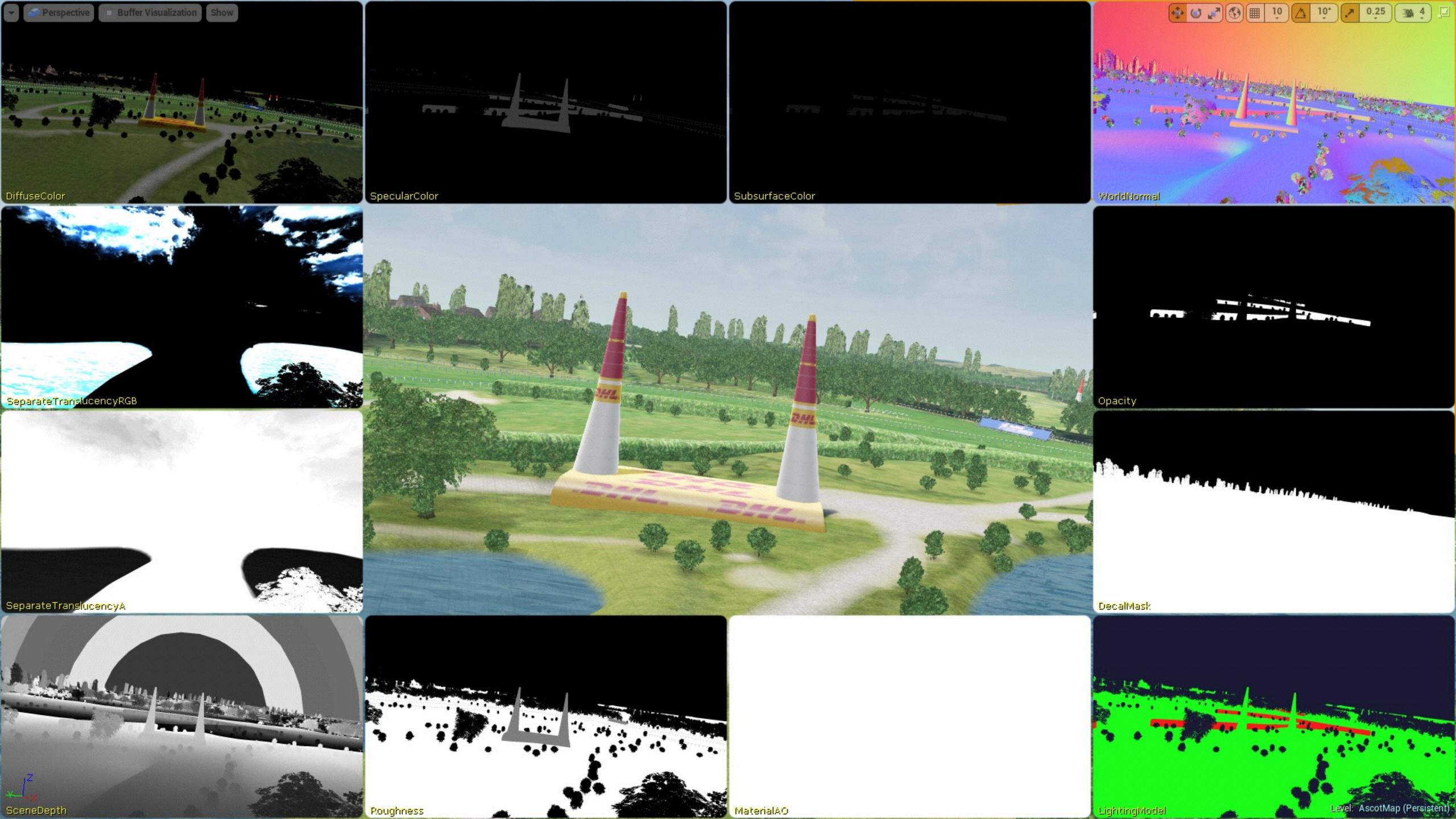


















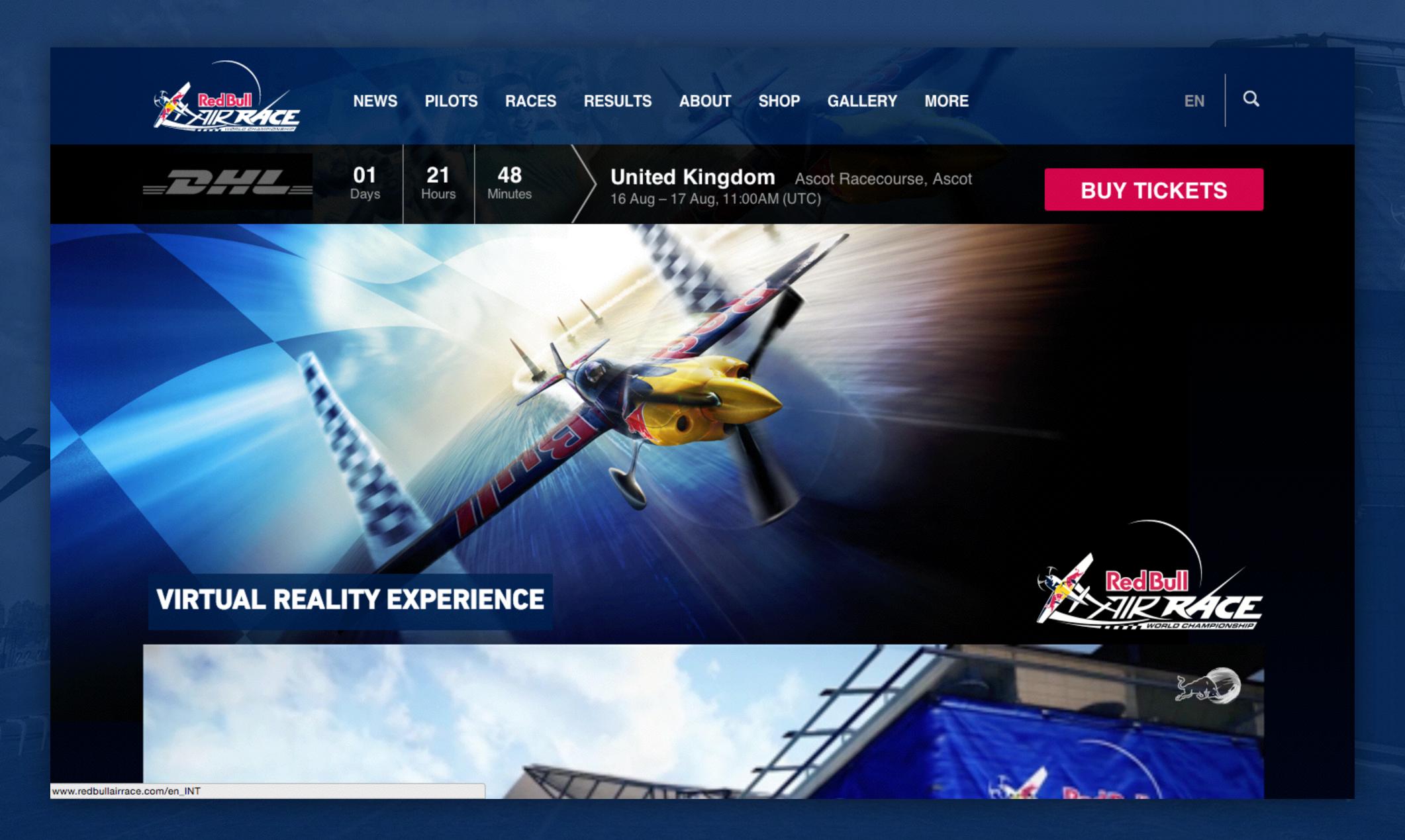












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