

IAF HUMAN SPACEFLIGHT SYMPOSIUM (B3)  
Interactive Presentations - IAF HUMAN SPACEFLIGHT SYMPOSIUM (IPB)

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DEVELOPMENT OF ASTRAX COMMERCIAL SPACECRAFT EDUCATION AND TRAINING  
SIMULATORS

**Abstract**

In the year 2021, the world will be able to travel into space by commercial spacecraft, and many people around the world will be able to fly into space. ASTRAX has developed commercial spacecraft training simulators for World View Enterprises' Voyager, Virgin Galactic's Unity, SpaceX's Crew Dragon, and Blue Origin's New Shepard. These simulators are not used for spacecraft development or pilot training by spacecraft development companies, but rather for customers who will be flying on each company's spacecraft to understand the structure of the spacecraft, and to rehearse and train them for the mission arrangements they want to achieve in space. This paper introduces the roles, functions, and achievements of various commercial spacecraft training simulators, including the latest commercial spacecraft training simulator produced by ASTRAX and various technologies to increase the success rate of these missions.