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NEW IDEA OF ASTRAX ZERO-GRAVITY FLIGHT SERVICE USING THE MRJ (MITSUBISHI  
REGIONAL JET)**Abstract**

Since 2008, Japan has been developing a domestically produced passenger plane called the MRJ (Mitsubishi Regional Jet). 10 planes were manufactured and test flights were conducted, but due to the constant delays in development and the effects of COVID-19, development has been paused in 2020. If this situation continues, the development of the MRJ may be completely over. Therefore, ASTRAX has been studying the possibility of using this MRJ in the development stage to provide zero-gravity flight services in Asia. In this paper, while analyzing the advantages and disadvantages of MRJ, we will present a summary of ideas and issues for using MRJ not as a passenger plane, but as a special plane for experiments and research to be approved for zero-gravity flight services.