

AR/VR for European Space Programmers

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VIPER Project Intermediate Results

The VIPER project is a joint project of Misterine s.r.o. and GE Aviation Czech Republic supervised by ESA and Ministry of Transport of the Czech Republic. The aim is to create a new generation of instruction manuals in AR. In the first place, we are focusing on the new Catalyst turboprop engine, where we have the textual and multimedia instructions defined in S1000D format, and high-detail 3D CAD models of the engine. In the second place, we are looking at different areas where an AR manual could be used. Examples of AR applications covering maintenance of electrical racks, computer disassembly, and quality assurance processes will be shown.

We will discuss difficulties of implementation for multiple different platforms at once, namely iOS tablets and HoloLens HMD.