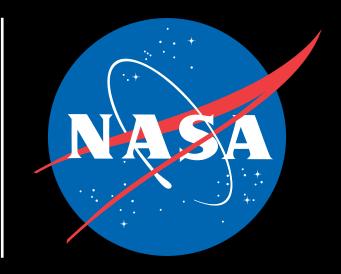


National Aeronautics and Space Administration



## Space Technology Mission Directorate Game Changing Development Program Robust Multicore Middleware (RMM)

#### **Project Overview**

SBIR Consecutive Phase II Lunar award to mature Troxel Aerospace's Robust Multicore

#### Additional Information

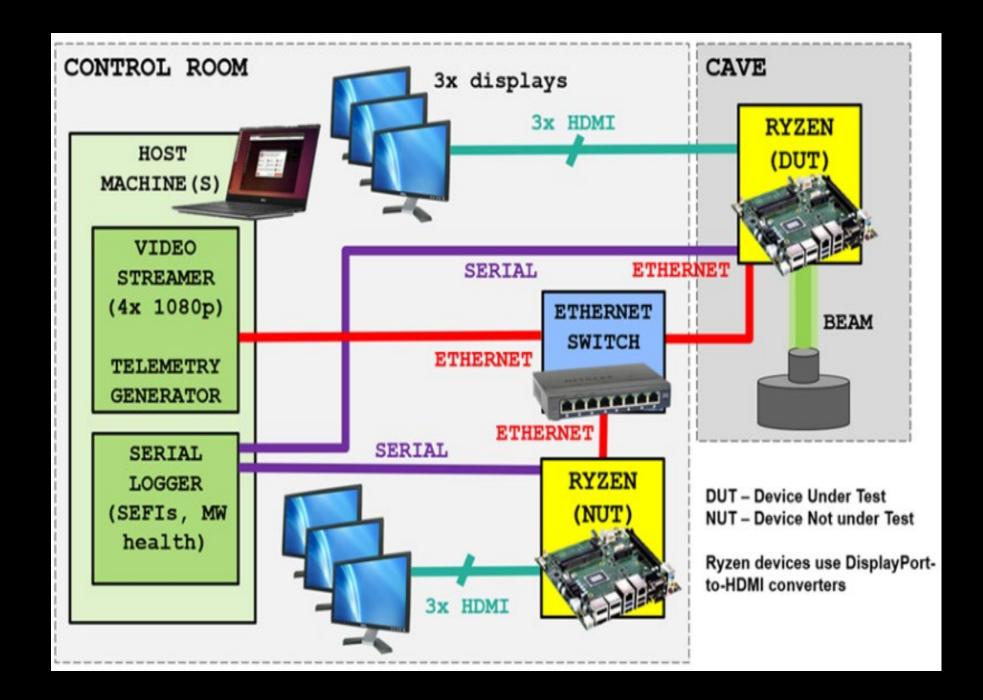
TRL 7 of astronaut displays application demonstrated through radiation testing at

Middleware (RMM) to enable NASA missions that require COTS Graphics Processor Units (GPUs) to operate through radiation-induced upsets.

### Technical Approach

Engage with programs of interest to set requirements, integrate the RMM with applications of interest, mature the software to NPR1750.2D Level B, and radiation test the system to achieve TRL level 8.

#### Texas A&M Cyclotron





# Contributing Partners and/or Infusion Plans

- NASA Johnson astronaut displays programs
- NASA JPL Next-generation Mars Helicopter
- NASA Ames Distributed Spacecraft Autonomy (DSA) Simulator

