DSG Ansys R&D Meeting Minutes

Date: February 1, 2024
Time: 2:00 PM – 2:30 PM

Attendees: Aaron Brown, Pablo Campero, Brian Eng, Marc McMullen, and Tyler Lemon

1. **NPS thermal analysis with Ansys Fluent in transient mode**
   Pablo Campero
   1. Meshing model with Meshing software
      - Since latest Ansys Workbench project file was corrupted and lost data, had to import model from SpaceClaim to Fluent with Meshing software
      - Added local mesh cell size features for the dividers
      - Generated surface mesh (took more than 24 hrs. to be completed)
      - Fluent with Meshing closed while running volume mesh
         – No mesh file was saved and configurations were lost
   2. Instructed to stop working on NPS thermal analysis

2. **Ansys Gateway with Amazon Web Services (AWS)**
   Pablo Campero
   1. Ansys Gateway powered by AWS presented as a solution for developers, designers, and engineers who want to manage their complete Ansys Simulation and CAD/CAE developments in the cloud with no computing hardware limitations
      - Useful for large CFD analysis
      - Allows creation and connections to customized cloud applications
   2. Agreed to be part of our ANSYS Gateway testing team
   3. Informational meeting with Ansys support personal will be held next week