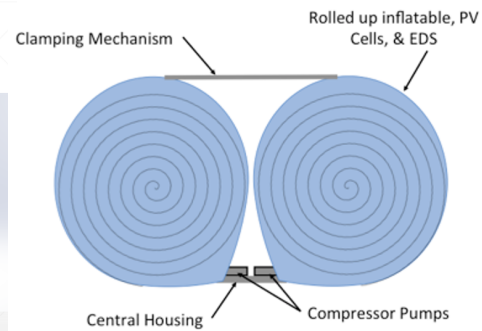
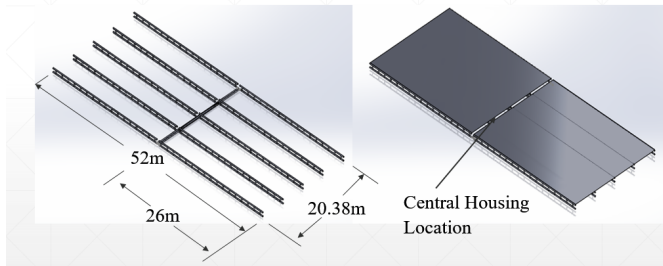


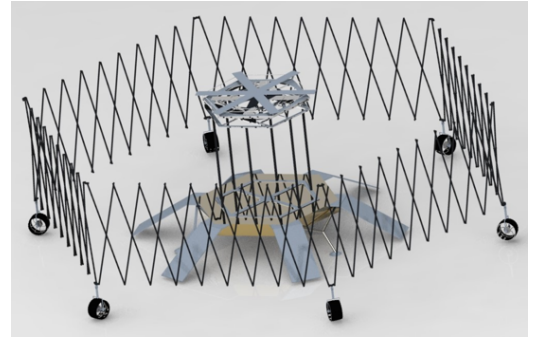
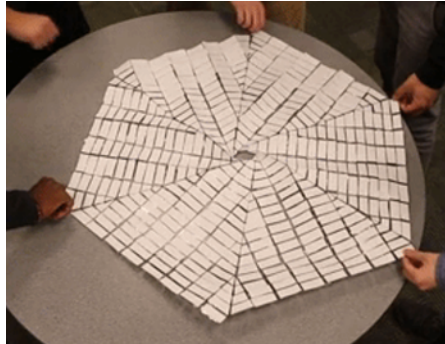
Inflatable Structure

- Consists of 10 double-chambered air channels
- Made of Vectran

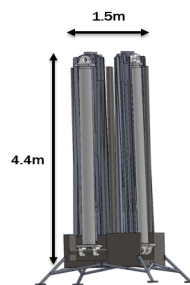
1 – Norwich: Norwich Inflatable Mars Solar Array (NIMSA)



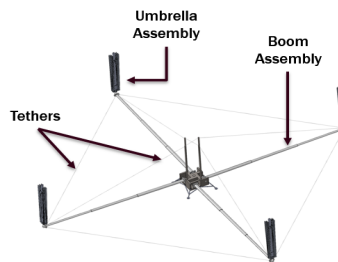
2 – Princeton: Horus



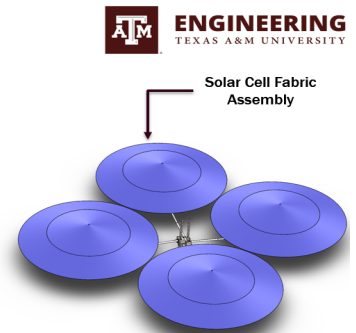
APPA - Design Overview & CONOPS



Stowed



Intermediate

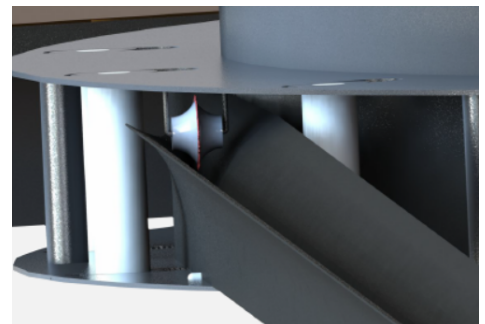
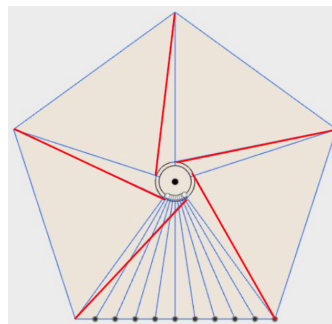


Deployed



3 – Texas A&M: Utilization of Solar Cell Umbrellas for Long-Term Photovoltaic Power on Mars

4 – CU Boulder: Mars Autonomous and Foldable Solar Array (MAFSA)



5 – UVa: Photovoltaic Balloon For Autonomous Energy Generation on Mars (MEGA-PB)

