# Lockheed Martin Space Advanced Programs

**Requirements in NASA Science Missions** 





## Example Requirements Tree



# Mars Atmosphere and Volatile EvolutioN (MAVEN)

- Objective: Characterize Mars' atmospheric escape
- Pl: Dr. Bruce Jakosky, CU LASP
- Implementing Institution: NASA Goddard Space Flight Center
- Spacecraft and Mission Ops: Lockheed Martin
- Instruments: UCB SSL, CU/LASP, NASA GSFC, CNES
- Mars relay: Jet Propulsion Laboratory





#### Launched November 18<sup>th</sup> 2013

- ✤ MOI September 22<sup>nd</sup> 2014
- Currently in third mission extension

### Science Missions Across the Solar System



\* = LOCKHEED MARTIN BUILT SPACECRAFT

Lockheed Martin has played a role in the exploration of every planet

LOCKHEED MARTIN

