ABOUT MARS 2020
Using the Perseverance Rover and Ingenuity Helicopter, NASA will learn more about the evolution of Mars.

Mission Goals:
- Determine if life ever existed on Mars
- Characterize the climate on Mars
- Characterize the geology of Mars
- Prepare for human exploration of Mars

DIGITAL SUN SENSORS
- Redwire provided 8 digital sun sensors and 2 electrical components to the Mars 2020 spacecraft
- Used during interplanetary travel between Earth and Mars
- Helped spacecraft detect position of the sun
  - Used until 12 min before re-entry on Mars
  - Assisted with re-entry phase into Mars atmosphere

THERMAL DESIGN PROGRAMMING
- Redwire’s Veritrek software was used during thermal design testing and planning of Ingenuity helicopter
- Will support planning for mission operations on Mars

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