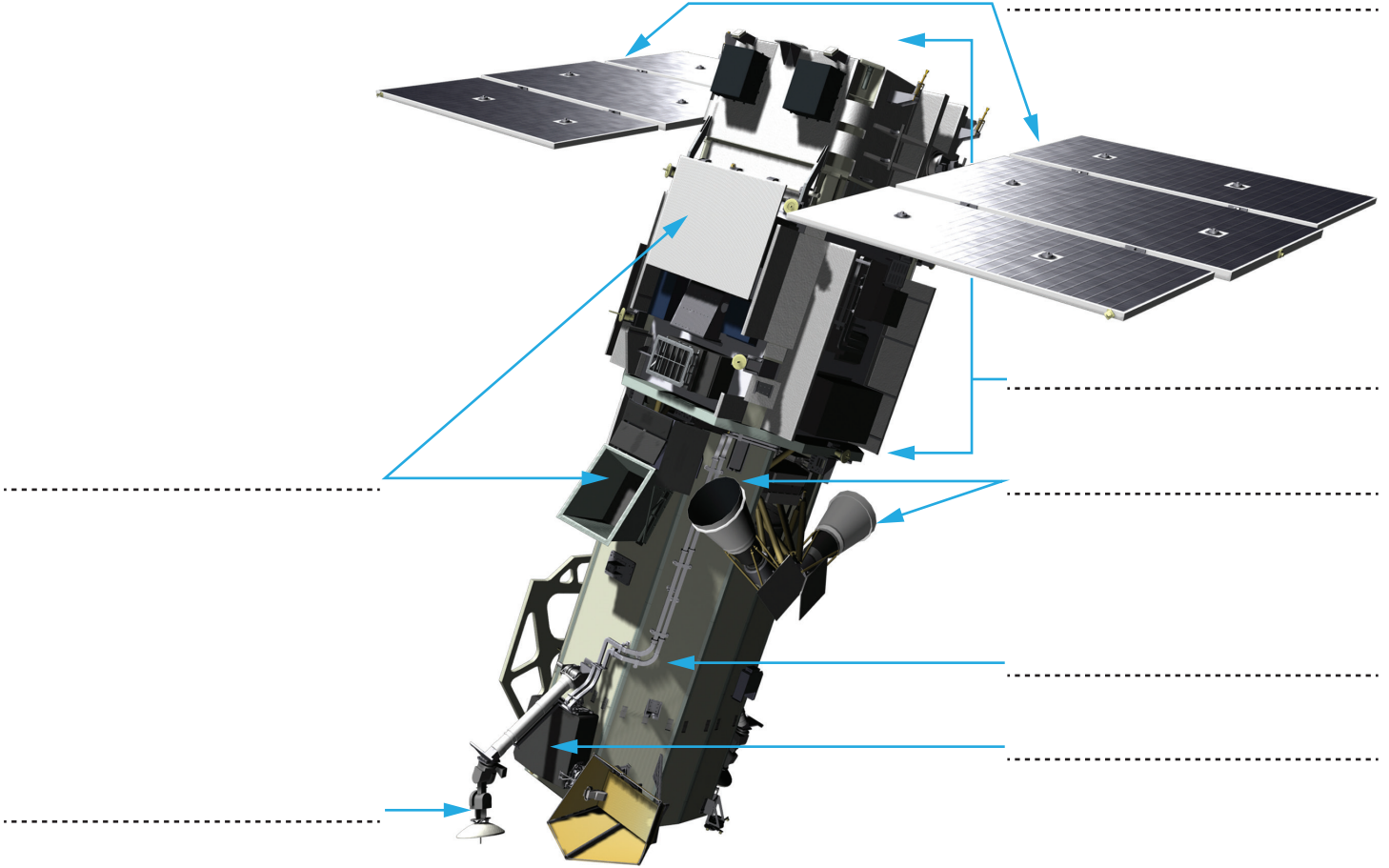


WorldView-3



Have you ever used Google Earth to take a 3D look at your hometown? Satellites such as WorldView-3 collect those images. A ULA Atlas V rocket launched WorldView-3 into space in 2014.

WorldView-3 is orbiting Earth 380 miles (617 km) above us, covering all of Earth's surface every couple of days. Ball Aerospace built the WorldView-3 satellite bus for DigitalGlobe, now part of Maxar. Ball also built CAVIS, an onboard device that improves images taken through hazy atmosphere.

Look at the descriptions below, and then label the WorldView-3 parts.

Solar arrays—Provide the satellite's power.

Antenna—Sends and receives radio signals to and from Earth.

Radiators—Spread heat away from the satellite so it doesn't get too hot.

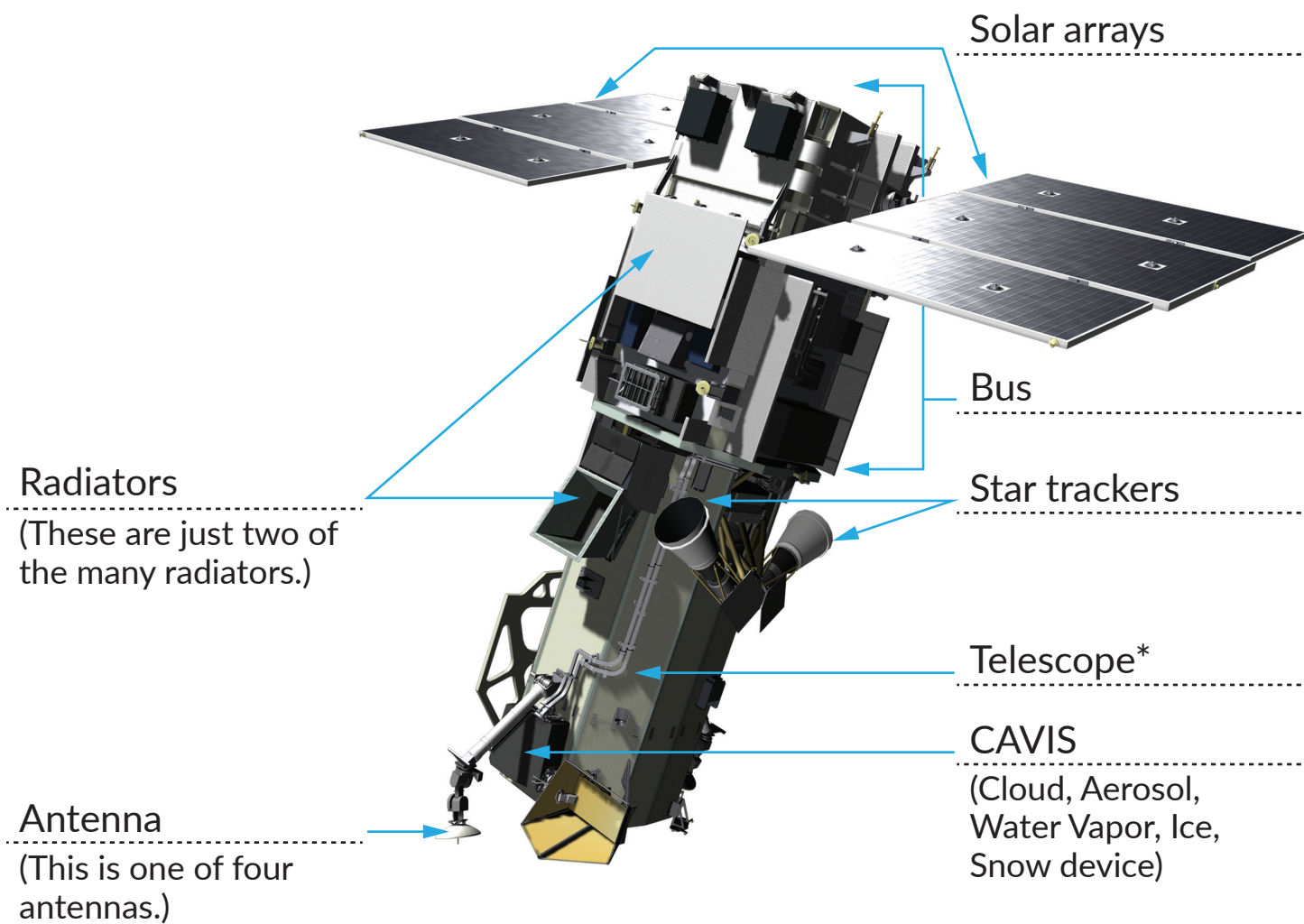
Star trackers—Steer the satellite by using star patterns.

Telescope—Captures images by focusing light onto a sensor.

Bus—Carries the telescope and all the basic satellite parts (computer, batteries, gyroscopes, and so on).

CAVIS—Improves images gathered through haze, soot, and dust.





*Built by Exelis.