

Dust Removal Tool



Resource – Actuation

The Dust Removal Tool (DRT) is a motorized, wire-bristle brush on the turret at the end of Curiosity's arm. The DRT was first used on a rock target named *Ekwir_1* on January 6, 2013. Honeybee Robotics built the DRT.

Rover Wheels



Resource – Actuation

Reaction Wheel



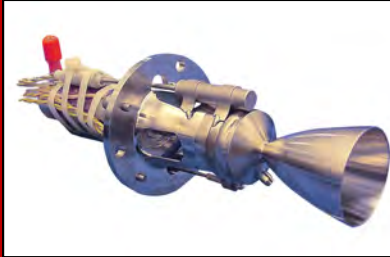
Resource – Actuation

Parachute



Resource – Actuation

Hydrazine Thruster



Resource – Actuation

Four Reaction Wheels



Resource – Actuation

Sojourner



Resource – Platform

Sojourner landed on Mars on July 4, 1997 and explored the planet for around three months, before communication was lost.

Spirit / Opportunity



Resource – Platform

Spirit and Opportunity have been exploring the planet Mars since 2003.

Curiosity



Resource – Platform

The Curiosity rover, on Mars since 2012, has a mass of 899 kg. It can travel up to 90 m per hour on its six-wheeled rocker-bogie system, is powered by a radioisotope thermoelectric generator.

Sky Crane



Resource – Platform

The most obvious solution to delivering a rover on Mars.

Plutonium Pellet



Resource – Power

“Plutonium is the darling and the demon of the nuclear age.”

RITEG



Resource – Power

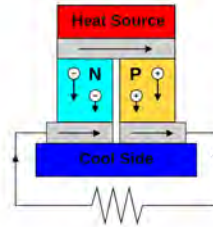
Radioisotope ThermoElectric Generators (RITEG) run on Plutonium. They work really well on satellites and extraplanetary rovers.

Solar Panels



Resource – Power

Thermocouple



Resource – Transducer