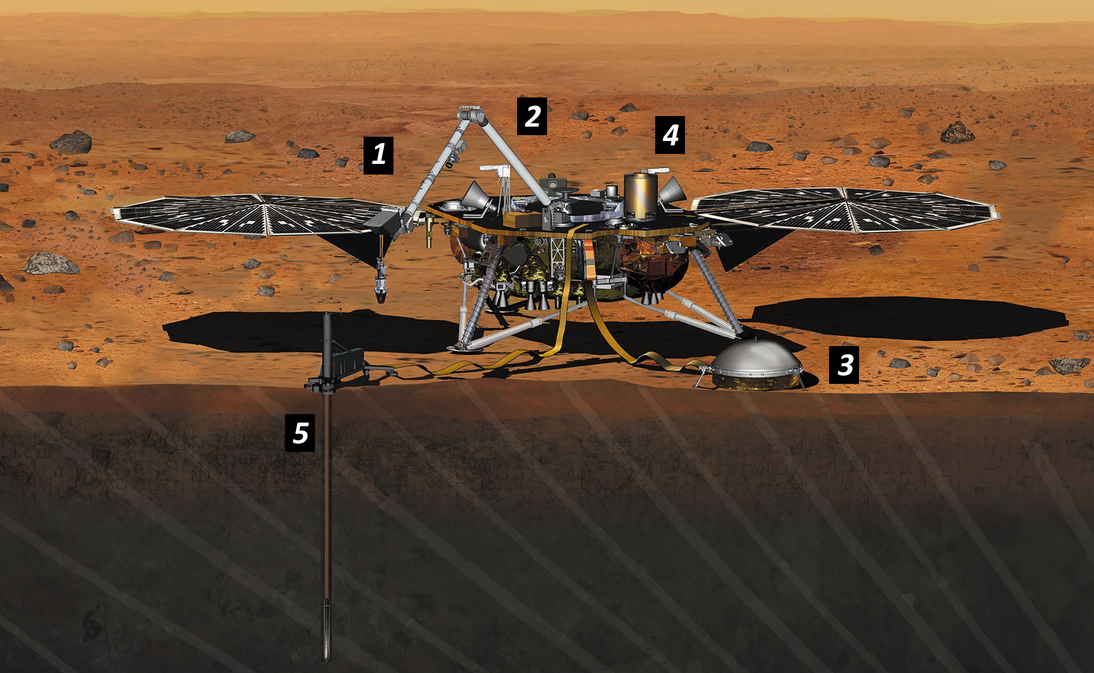
A truly international cooperation

1 - Deployment system IDS: :

Insight includes a camera on the landing arm which takes pictures of the instruments.
It helps engineers to direct the deployement of those instruments on the ground.
Later, the camera will also provide a panoramic view of the land around the landing site.



2 - Meteo station APSS :

Equiped with a thermometer, an anemometer, a highly sensitive barometer and a magnetometer.
Those instruments provide informations on the environmental context facilitating the interpretation of the seismometer data.

3 - Seismometer SEIS :

This instrument measures precisly the telluric vibrations and other internal activities of Mars.
It will help to understand the internal structure of the planet.
It is coated with a wind and thermal shield for protection against hostil environment .

4 - Antennas RISE :

RISE tracks the wobble of Mars' North Pole as the sun pushes and pulls it in its orbit.
This should help scientists determine the size and composition of Mars' core.

5 - Heat sensor HP3 :

This instrument will sink 5 meters depth into the martian ground to measure the heat flow and to deduce its cooling speed.
This should reveal the thermal activity and the story of the planet.

Crédits photos : N.A.S.A. / E.S.A. / C.N.E.S. / I.P.G.P.
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