

Translate the following text from English to Arabic:

The Hubble Space Telescope

First conceived in the 1940s and initially called the Large Space Telescope, the Hubble Space Telescope took decades of planning and research before it launched on April 24, 1990. Since launch, Hubble has overcome its troubled beginnings to perform innumerable science observations that have revolutionized humanity's understanding of the universe. From determining the age of the universe to observing dramatic changes on celestial bodies in our own solar system, Hubble has become one of humanity's greatest scientific instruments.

The telescope is powered by sunlight. Each wing-like array has solar cells that convert the Sun's energy into electricity. Some of that electricity runs the telescope; some is stored in on-board batteries for the periods when Hubble is in Earth's shadow.

Hubble performs in response to detailed instructions from people on the ground. The antennas allow technicians to communicate with the telescope, telling it what to do and when to do it. Four antennas receive and send information to a set of satellites, which in turn communicate with Earth.