



## SpaceX's Falcon Heavy Rocket

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SpaceX has launched its Falcon Heavy rocket carrying 24 experimental satellites on boosters that are being reused.

- The payloads have been assembled from several partners, including the National Oceanic and Atmospheric Administration, NASA and university research projects.
- **The Falcon Heavy**, which the company SpaceX considers to be **the most powerful operational rocket in the world** by a factor of two, will carry the two dozen spacecraft into **three distinct orbits**.
- The company also will attempt to land the Falcon Heavy's **two boosters back on earth simultaneously**, then land the first stage of the rocket on a drone ship in the ocean about 770 miles away from where it initially takes off.
- SpaceX **first** demonstrated the 230-foot-tall (70-meter) **Falcon Heavy** in February **2018**. In April 2019, it launched Falcon Heavy for its first paying customer, Saudi Arabia's commercial satellite operator Arabsat.

SpaceX is a **private company** founded in 2002 by Elon Musk. Its **headquarters** is located in Hawthorne, **California (U.S.A)**.

## Important Payloads and Technology Mission from NASA in Falcon Heavy

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- **Deep Space Atomic Clock:** It is a technology demonstration that will help spacecraft navigate autonomously through deep space.
- **Green Propellant Infusion Mission:** A small satellite to test rocket fuel that is more environment-friendly.