

SpaceX president Gwynne Shotwell shared ambitious plans for the company's Starship vehicle at the International Astronautical Congress. Starship aims to replace Falcon 9 and Falcon Heavy, offering higher payload capacity and the capability to reach the Moon and Mars. SpaceX aspires to achieve Starship's orbital flight within a year and land it on the Moon by 2022. These timelines are considered 'aspirational,' pushing the limits of what is possible. The company has successfully tested the Starhopper vehicle and is working on full-scale Starship prototypes for high-altitude and orbital tests. SpaceX is contracted to deliver payloads for NASA's Artemis program using Falcon 9.