

# China launches first heavy-lift rocket

3 November 2016



China sees its military-run space programme as symbolising the country's progress and as a marker of its rising global stature

China launched its most powerful rocket ever on Thursday, state media said, as the country presses on with a program which has seen it become a major space power.

The Long March 5 rocket can carry up to 25 tons—around the same weight as 16 cars—into low earth orbit (LEO), state-run China Radio International said.

By contrast the US's Saturn V, which delivered astronauts to the moon in 1969, was designed to deliver some 154 tons of payload to LEO.

The Chinese rocket launched from the recently built Wenchang launch center on the tropical island province of Hainan at 8:43 pm, according to the official Xinhua news service.

Its components were transported to the island by ship, as they were too heavy to be moved by rail, reports said.

The rocket's design will be used in future years to propel the core module of China's permanent space station as well as lunar and Mars missions.

The project has suffered from years of delays. Test firings of the rocket in a secret facility near Beijing saw several failures, the South China Morning Post newspaper cited official sources as saying.

Beijing sees its military-run space programme as symbolising the country's progress and as a marker of its rising global stature.

The nation's first lunar rover was launched in late 2013, and while it was beset by mechanical troubles it far outlived its expected lifespan, finally shutting down only last month.

But for the most part China has so far replicated activities that the US and Soviet Union pioneered decades ago.

As well as building a Chinese space station, it intends to eventually put one of its citizens on the surface of the moon.

It announced in April it aims to send a spacecraft "around 2020" to orbit Mars, land and deploy a rover to explore the surface.

China launched its second space lab, the 8.6 tonne Tiangong-2, last month.

© 2016 AFP

APA citation: China launches first heavy-lift rocket (2016, November 3) retrieved 18 January 2022 from <https://phys.org/news/2016-11-china-heavy-lift-rocket.html>

*This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.*