



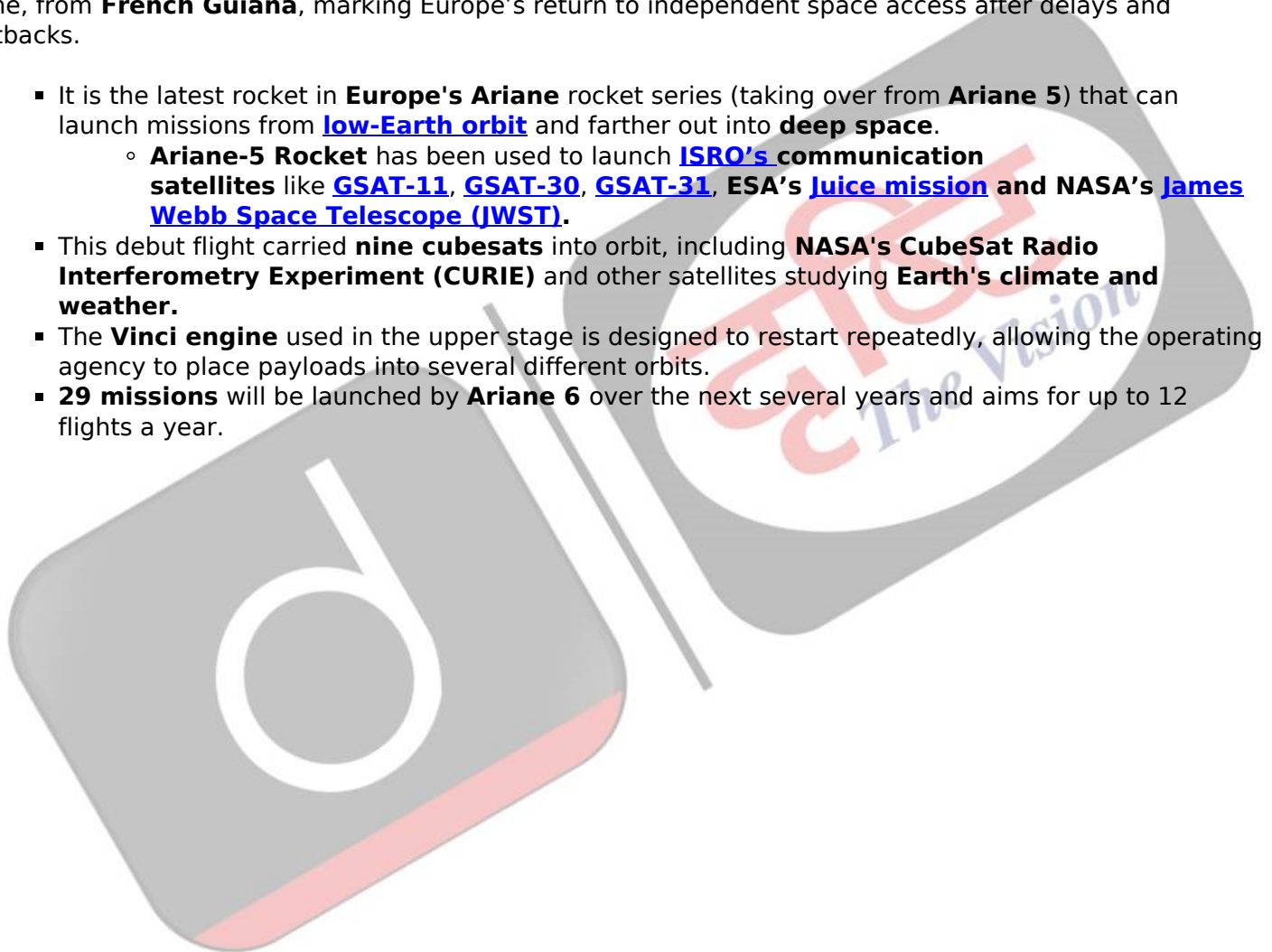
Successful Launch of Ariane 6 Rocket

[Source: TH](#)

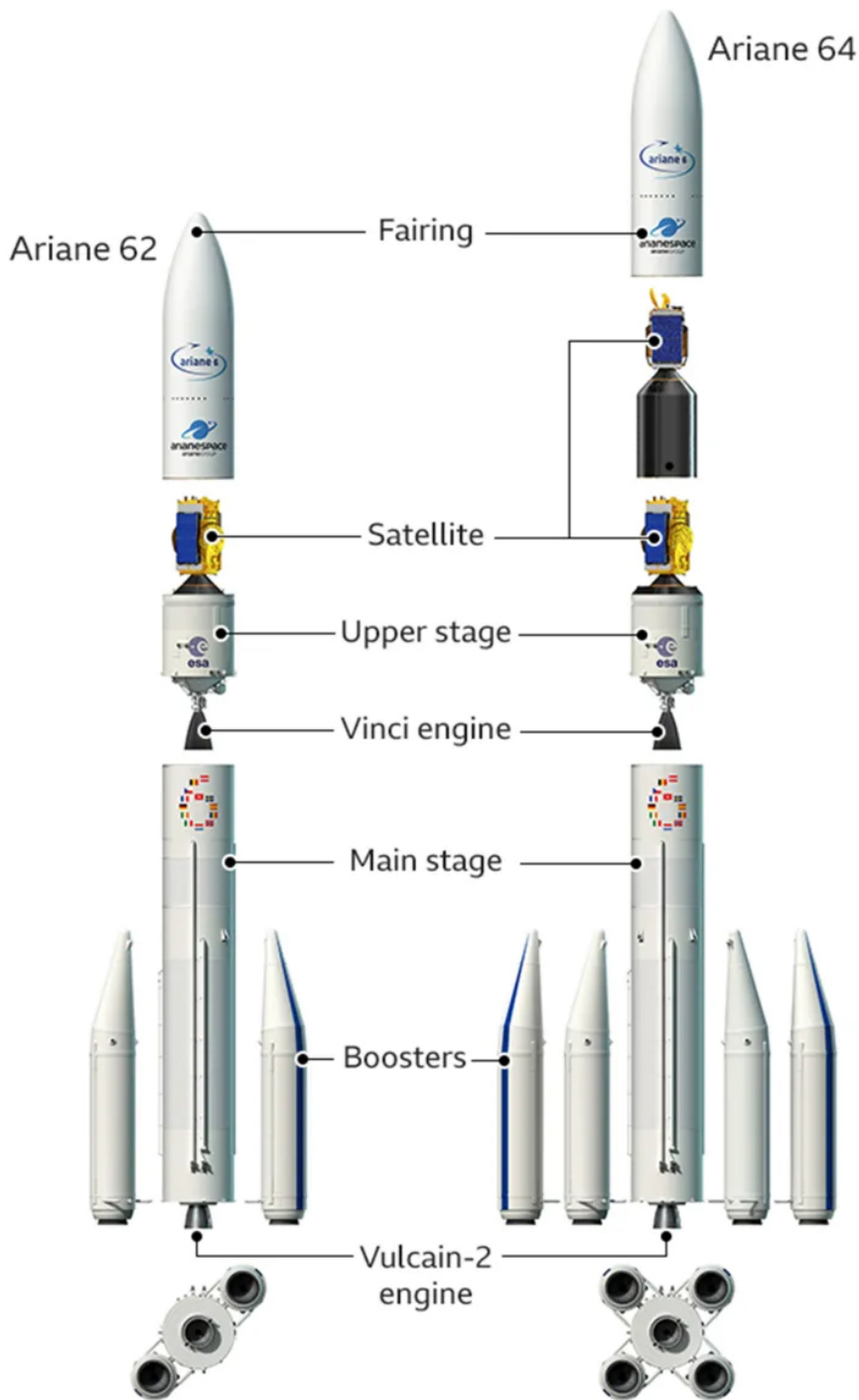
Recently, **the European Space Agency (ESA)** successfully launched the **Ariane 6 rocket**, for the first time, from **French Guiana**, marking Europe's return to independent space access after delays and setbacks.

- It is the latest rocket in **Europe's Ariane** rocket series (taking over from **Ariane 5**) that can launch missions from **low-Earth orbit** and farther out into **deep space**.
 - **Ariane-5 Rocket** has been used to launch **ISRO's communication satellites** like **GSAT-11**, **GSAT-30**, **GSAT-31**, **ESA's Juice mission** and **NASA's James Webb Space Telescope (JWST)**.
- This debut flight carried **nine cubesats** into orbit, including **NASA's CubeSat Radio Interferometry Experiment (CURIE)** and other satellites studying **Earth's climate and weather**.
- The **Vinci engine** used in the upper stage is designed to restart repeatedly, allowing the operating agency to place payloads into several different orbits.
- **29 missions** will be launched by **Ariane 6** over the next several years and aims for up to 12 flights a year.

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Europe's new rocket: Ariane 6



Ariane 62

Height: From 56m
 Launch weight: 540 tonnes
 Payloads:
 To geostationary orbit:
 Up to 4,500kg
 To Low-Earth orbit:
 10,300kg

Ariane 64

Height: Up to 62m
 Launch weight: 870 tonnes
 Payloads:
 To geostationary orbit:
 Up to 11,500kg
 To Low-Earth orbit:
 21,600kg

Read more: [European Space Agency's Juice Mission](#)

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