

# Global Orbital Space Launches

## Q4 2022

### Orbital Launches by Launch Provider

In Q4, SpaceX and CASC had the most orbital launches.

18  
LAUNCHES

SPACEX



9  
LAUNCHES



ROSCOSMOS

2  
LAUNCHES

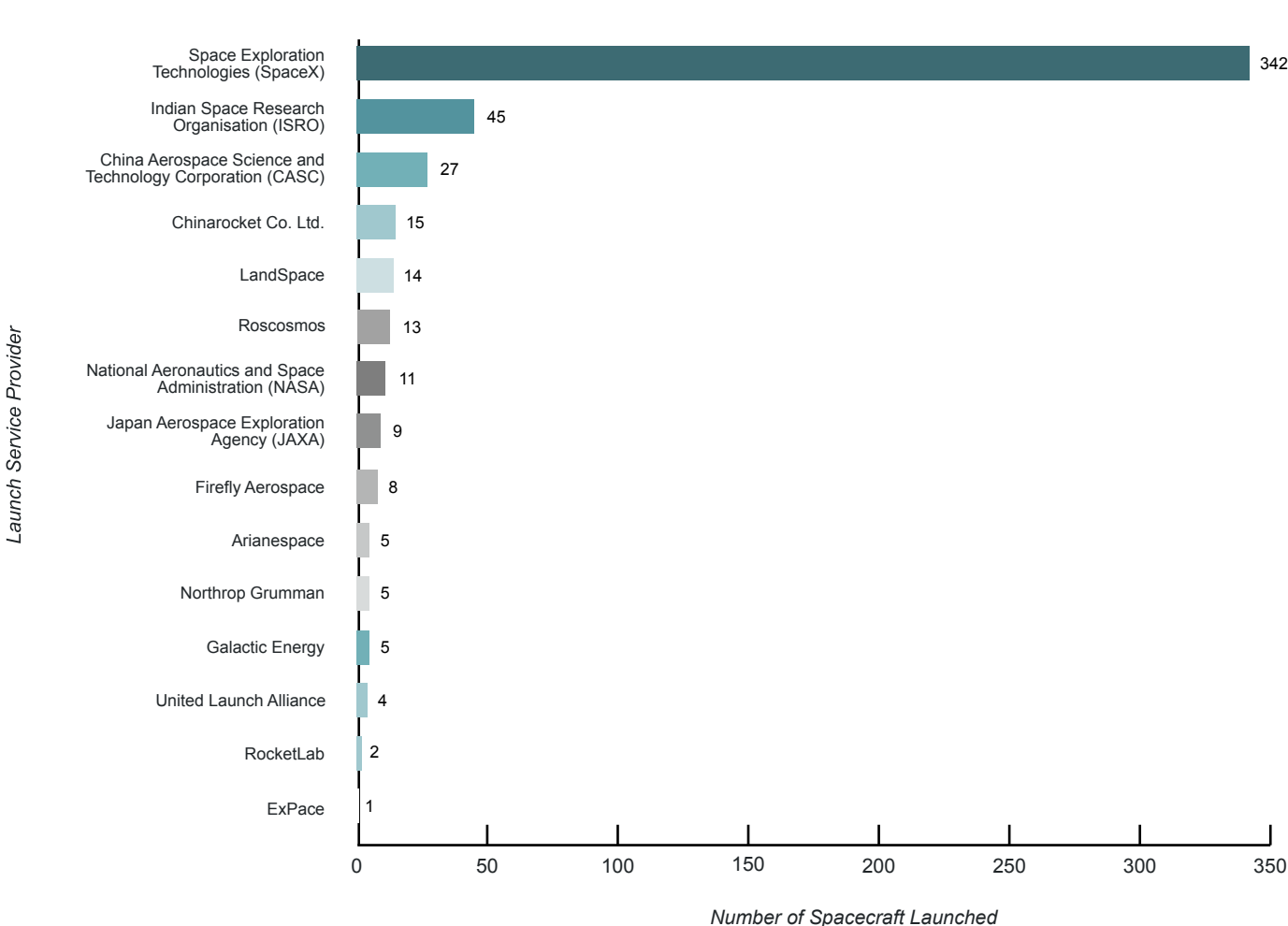


1  
LAUNCH



### Spacecraft Launched by Provider

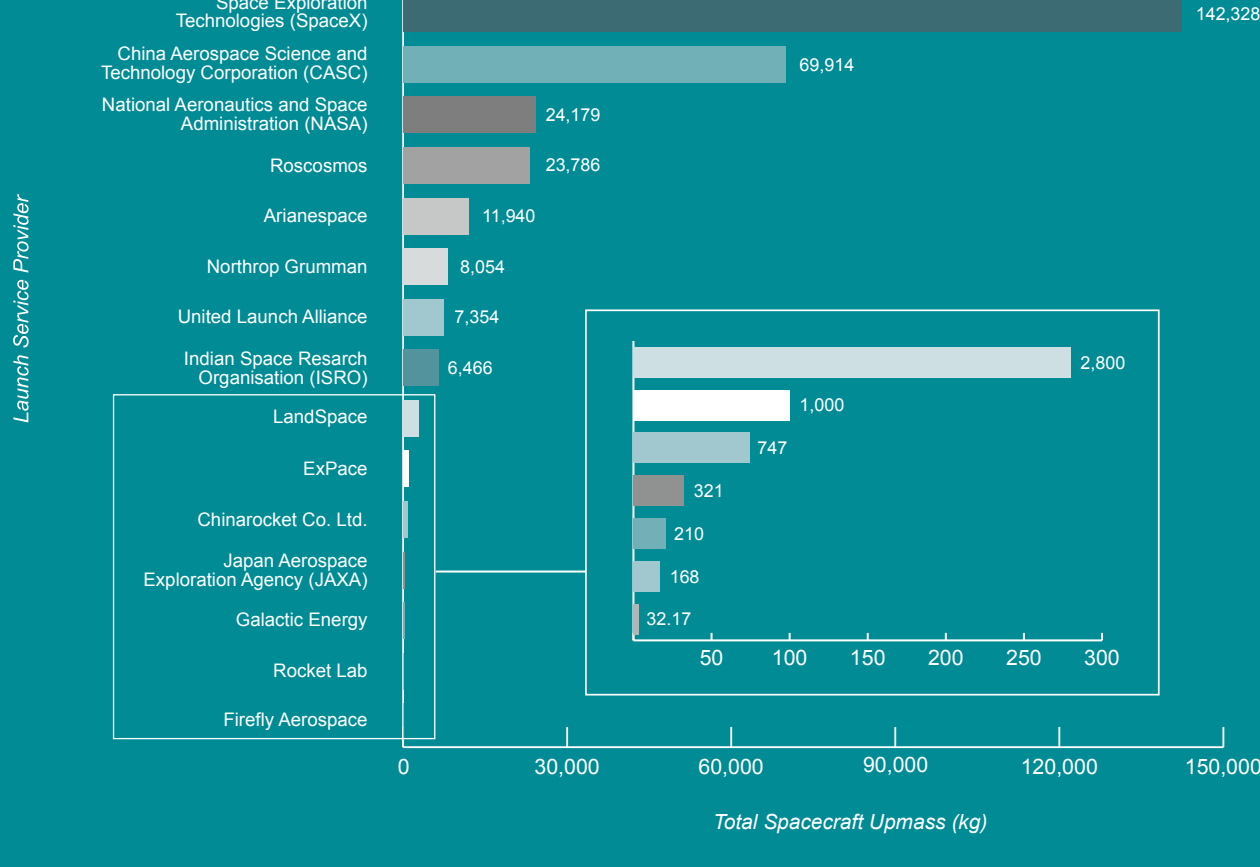
In Q4, SpaceX launched 342 spacecraft, the most of any launch provider



Includes spacecraft launched regardless of operational status

### Spacecraft Upmass Carried by Launch Provider

SpaceX launched about 142,328 kg of spacecraft upmass in Q4, followed by CASC with about 69,914 kg



Includes estimates of spacecraft mass when not publicly disclosed

### Orbital Launches by Country

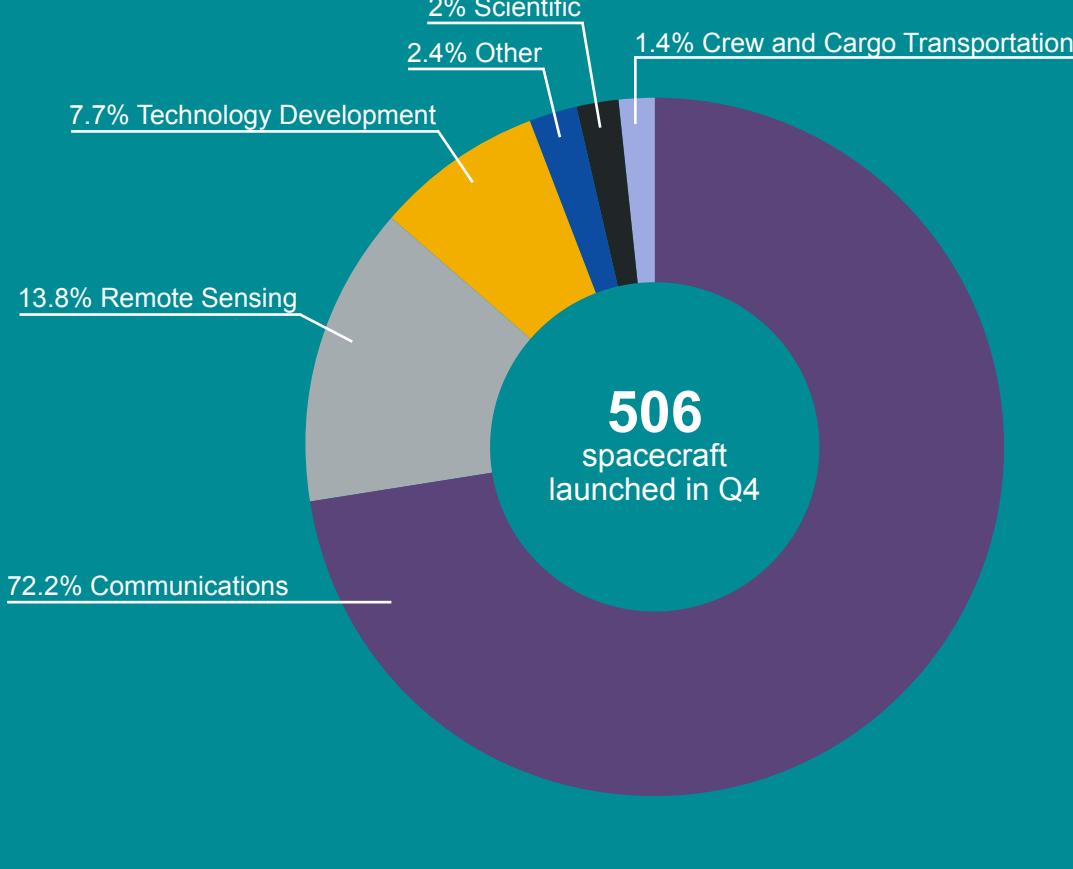
U.S. providers conducted 25 launches, while Chinese providers conducted 22 launches



\*Rocket Lab is headquartered in the U.S. with a subsidiary in New Zealand. It is counted here as a U.S. company

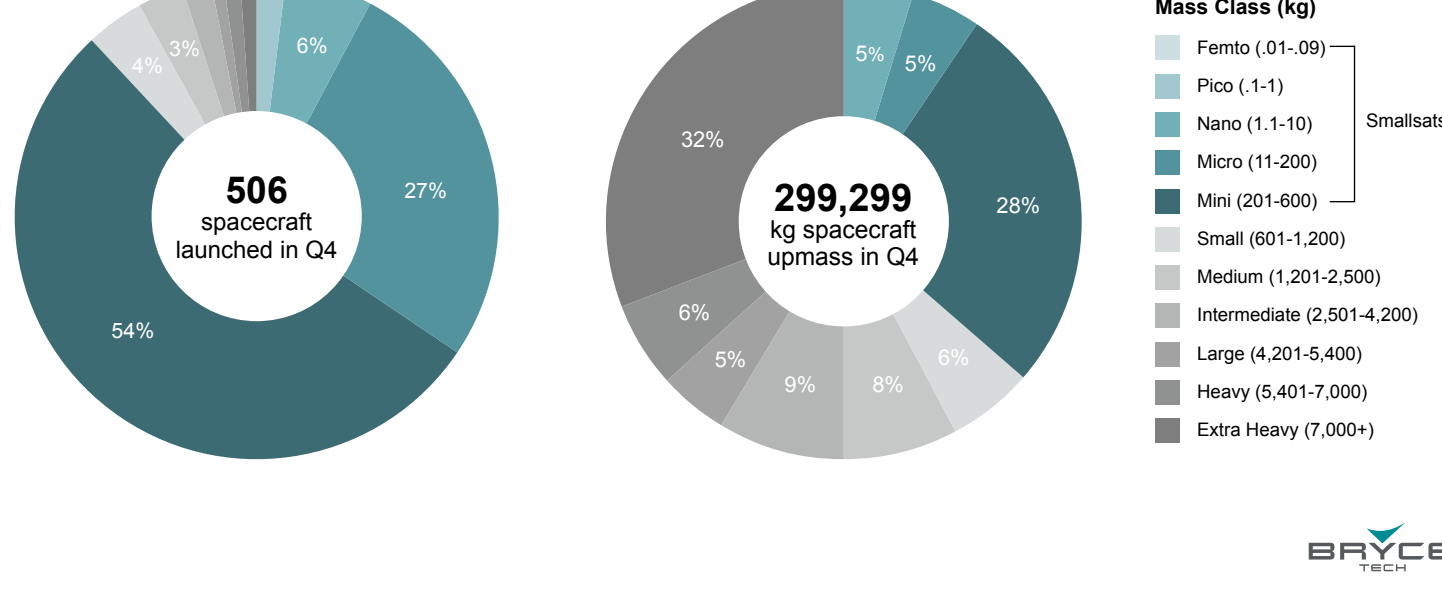
### Spacecraft by Service Type

Driven by continued deployment of the Starlink constellation, most spacecraft launched in Q4 were communications satellites



### Spacecraft Launched and Total Upmass by Mass Class

Smallsats represented 89% of spacecraft launched in Q4, 39% of total upmass



### Spacecraft by Operator Type

Most spacecraft launched in Q4 are operated by commercial companies

