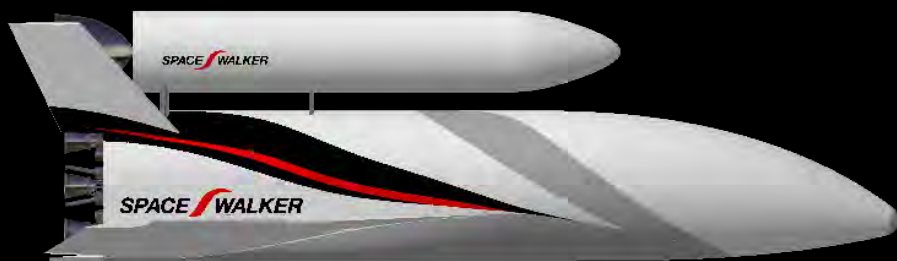


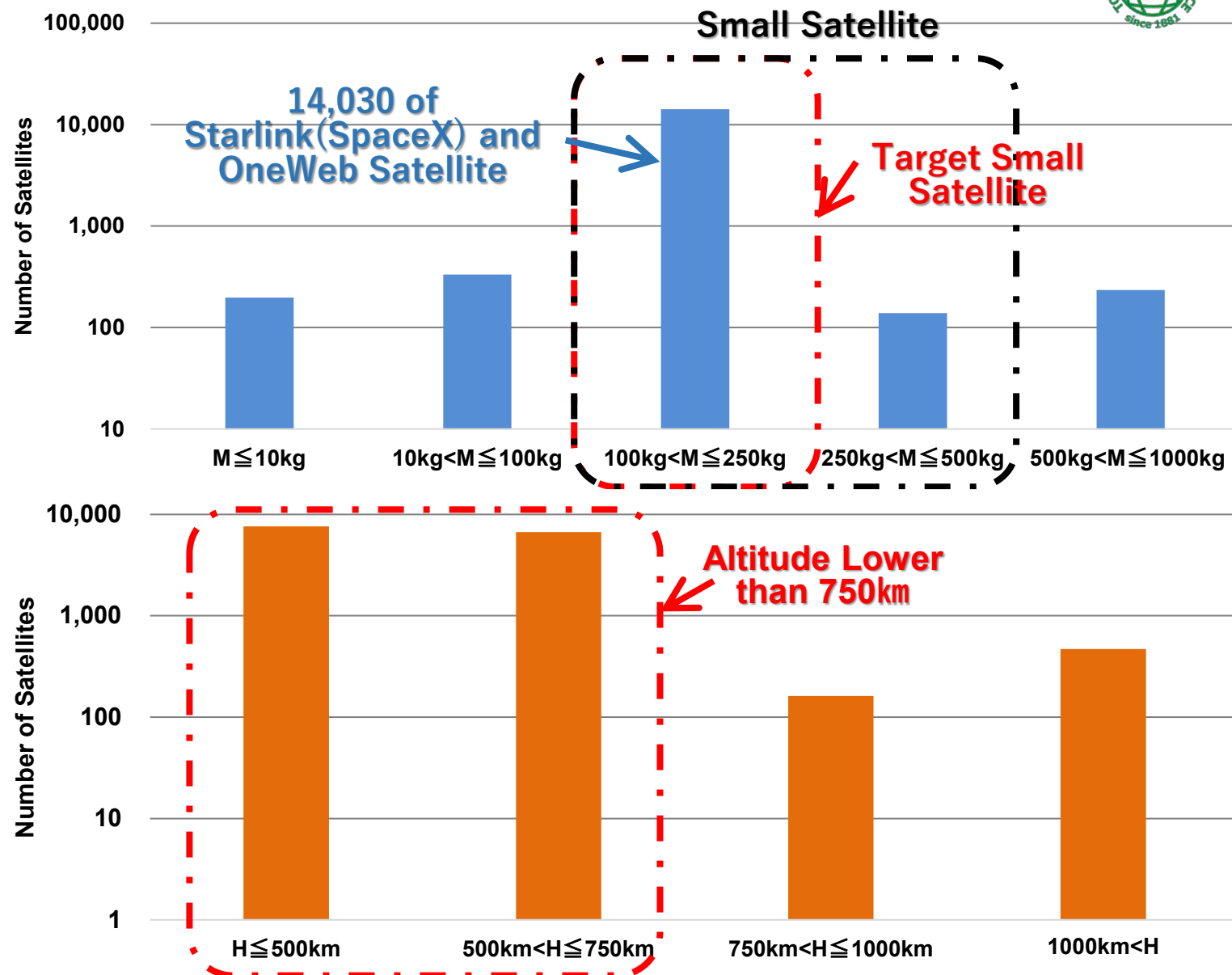
■ RaiJin (雷神) Mission

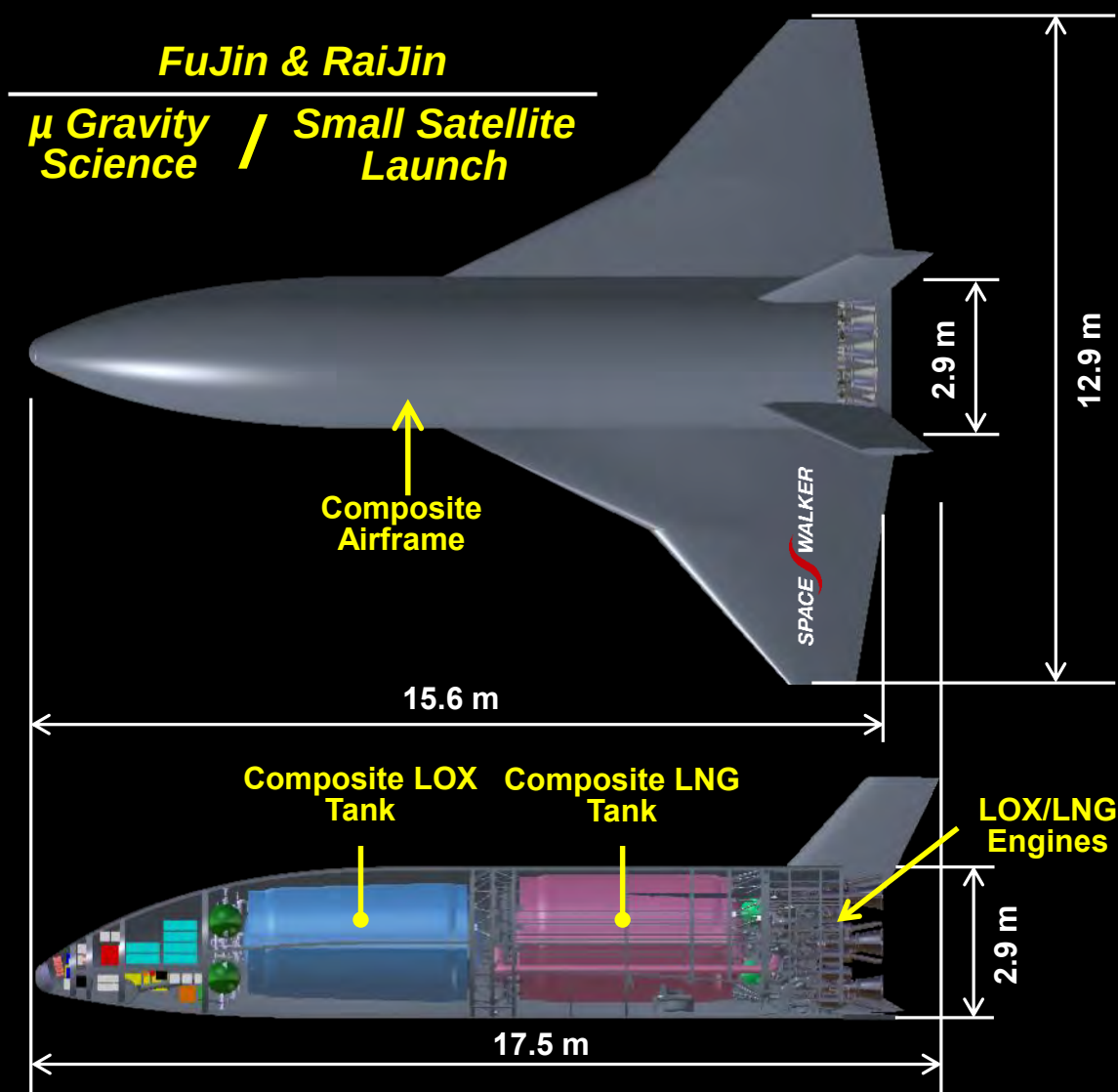
- ✓ Small Satellite of 200 [kg]
- ✓ Sun-synchronous Orbit of 700 [km] Altitude



Elon Musk's Starlink
Satellite-Internet Service

<https://www.wsj.com/articles/elon-musks-starlink-satellite-internet-service-battles-dish-over-airwaves-11657359181>





Mass [kg]		FuJin ^{*1}	RaiJin ^{*2}	NagaTomo ^{*3}
Dry			13,081	13,015
Propellant	LOX		24,687	16,844
	LNG ^{*4}		8,967	6,099
Propulsion Gas	He		4	2
	N2		95	68
RCS Gas	N2		176	176
Initial Mass			47,010	36,204
External Mass		500 ^{*5}	6,999 ^{*6}	-
Total Initial Mass		47,510	54,009	36,204
No. of Engines			7	5

Note: ^{*1} 100kg Payload to 150km Altitude
^{*2} 200kg Satellite into Sun-synchronous Orbit of 700km Altitude
^{*3} 6 Passengers with 2 Pilots/Crews
^{*4} Carbon Neutral Bio-methane Propellant
^{*5} Payload and External Carrier
^{*6} Expendable Upper Stage

■ 基本設計の変遷

