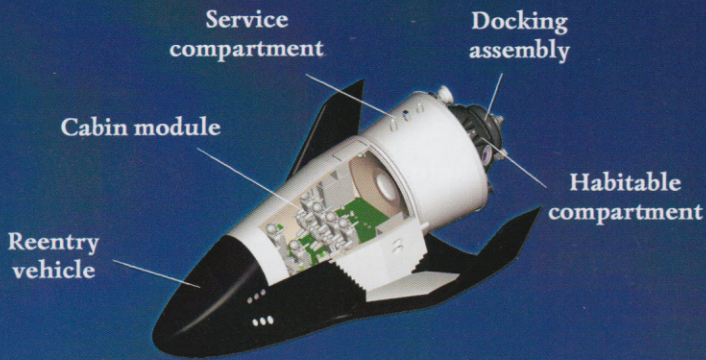


CLIPPER REUSABLE SPACE TRANSPORTATION SYSTEM

Clipper manned reusable spacecraft

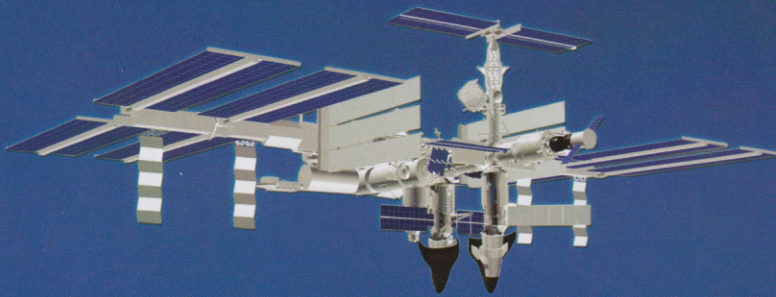


Developer - RSC Energia, Sukhoi OKB

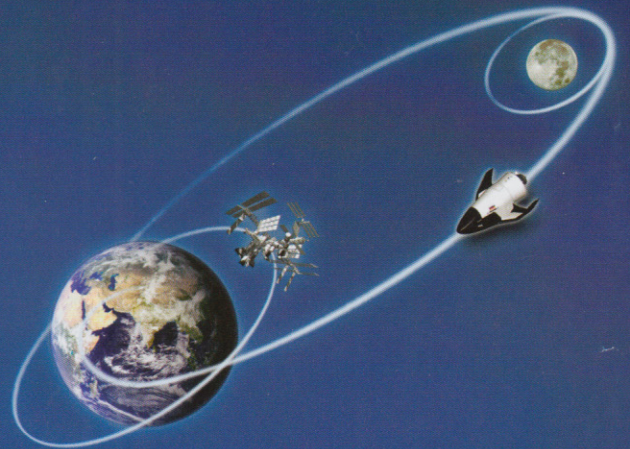
Launch mass, t	13.0
Number of crewmembers, persons	6
Mass of cargoes, t:	
delivered	0.5
returned	0.5
disposed	0.2
Crew cabin volume, m ³	20
Free flight time, days	5
Lateral maneuver range, km	1500

Designed to replace Soyuz spacecraft in Russia's Manned Space Program

ISS missions



Moon program



Launch vehicles of the spacecraft



Soyuz-3

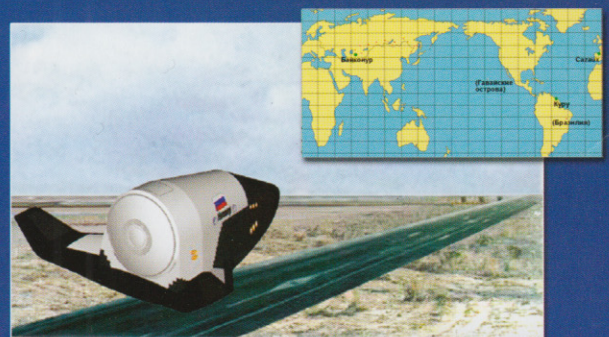


Zenit-2SLB



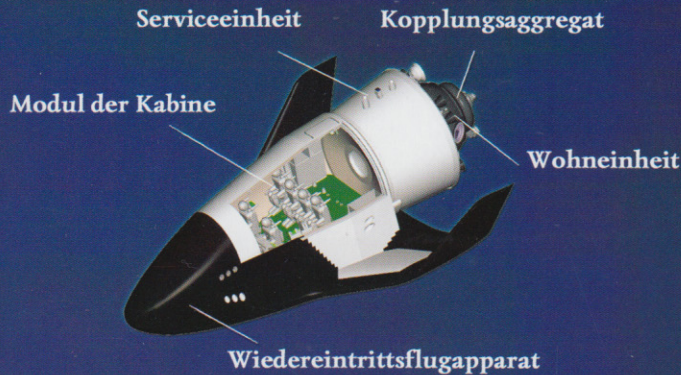
Angara-3A

Reentry vehicle landing



DAS WIEDERVERWENDBARE RAUMTRANSPORTSYSTEM CLIPPER

Das bemannte wiederverwendbare Raumschiff Clipper

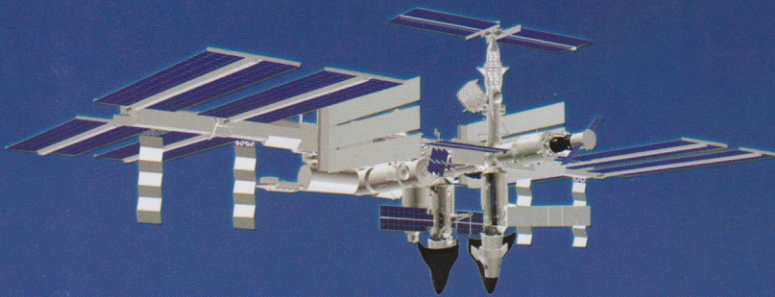


Abschussmasse, t	13,0
Anzahl von Besatzungsmitgliedern, Personen	6
Lademasse, t:	
befördert	0,5
zurückgekehrt	0,5
entsorgt	0,2
Besatzungsrauminhalt, m ³	20
Freiflugzeit, Tage	5
Seitenmanöverreichweite, km	1500

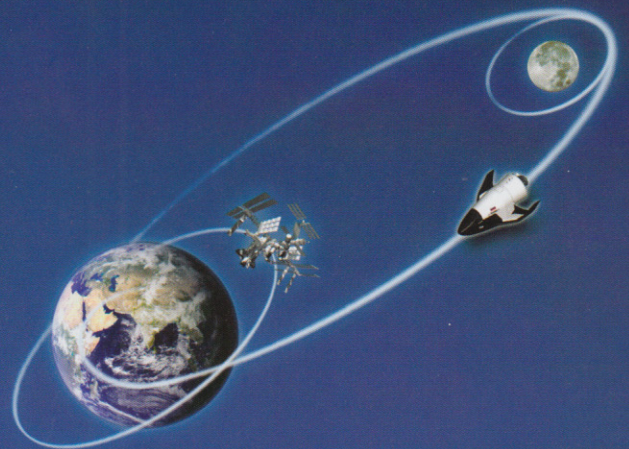
Bestimmt, die Raumschiffe Sojus im bemannten Raumfahrtprogramm Russlands zu ersetzen

Entwickler: RKK Energija, Sukhoj OKB

ISS Missionen



Mondprogramm



Startsysteme des Raumschiffs



Sojus-3

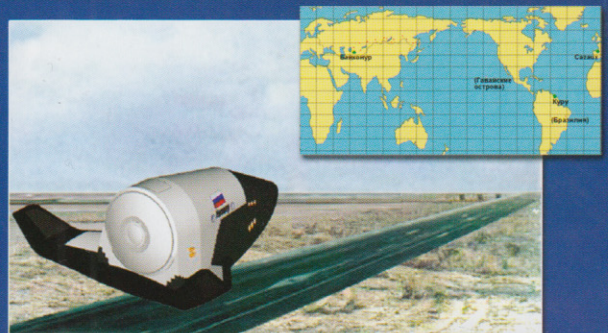


Zenit-2SLB



Angara-3A

Landung des Wiedereintrittsflugapparats





Uwe W. Jack

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