

Space Servicing: *Sampling of Activities and Projects*



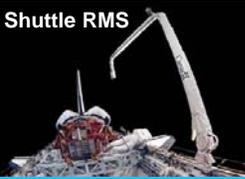
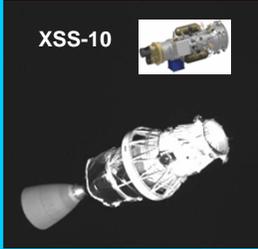
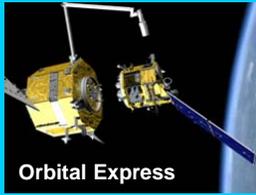
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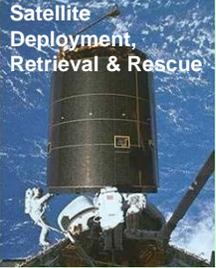
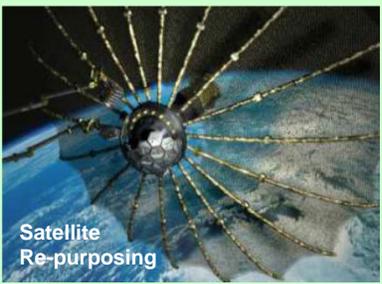
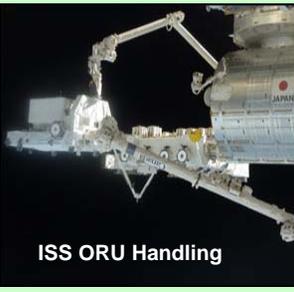
30+ Years of Space Servicing Evolution



Technology Development & Flight Demonstrations

 Shuttle RMS	 XSS-10	 Hubble Robotic Servicing	 SUMO/FREND	 Next Gen Canadarm	 DARPA Phoenix			
 Orbital Maneuvering Vehicle	 ISS Mobile Servicing System	 XSS-11	 MiTex	 Orbital Express	 ISS RRM Experiment	 GEO Refueling Demo		
1980s	1990s	2000	2005	2006	2007	2009	2011	2015+

Applications

 Satellite Deployment, Retrieval & Rescue	 Hubble Servicing	 Space Shuttle Self Inspection	 ISS Robotic Servicing	 Satellite Re-purposing
 EVA/EVR	 ISS Assembly	 ISS ORU Handling	 ISS Visiting Vehicles Capture/Berthing	 Space Infrastructure Services