

Shuttle_Contractors.xls 02 23 2003		Subcontractor name and function from <i>The New York Times</i> , Sunday, February 9, 2003	
More than 2,200 contractors worked on the shuttles, but 86 percent of the money went to the top 40, including those United Space Alliance subcontractors shown here.		10/1/2000 to 9/30/2002 From DoL at http://edc.dws.state.ut.us/casesearchresults.asp	
Name	H-1Bs	Multiple per LCA	Function
Lockheed Martin	103	Yes	1. Cockpit avionics, engineering services
Hamilton Sundstrand	15		2. Environmental control, life support, auxiliary power unit
Ball Aerospace and Technologies	3		3. Star tracker, printed work board power supply
Corning Inc.	495	Yes	4. Thermal window/window
UTC International Fuel Cells	150		5. Fuel cell repairs and spares (Includes "United Technologies.")
Zyfer	0		6. Operations, payload recorder systems
Lockheed Martin Missiles and Fire Control	See above		7. Reinforced carbon-carbon subassembly/panel assembly
Goodrich Corporation, Aircraft Wheel and Brake	63		8. Wheel and brake systems
Aerojet	4		9. Auxiliary power unit gas generator/thrusters
Boeing Rockeddyne division	17		10. Main engine processing
Universal Propulsion Company	0		11. Thrusters, confined detonating fuses, window severance assemblies, emergency egress systems
The Aerospace Corporation	0		Technical services
Ares	24		Quality and safety support for upgrades
Barrios Technology	0		Engineering Support
Bastion Technologies	0		Reproduction and documentation
Boeing Company Reusable Space Systems	See above		Orbiter engineering, provisioning, and logistics
Cincinnati Electronics	0		Electronics, cable assemblies
David Clark	0		Helmets, flight suit repair, refurbishment
DP Associates	0		Software development
GB Tech	5		Logistics and warehouse support, flight software support
General Dynamics Decision Systems	8		Software engineering services
Honeywell International	1383	Yes	Multiplexer-demultiplexers, multifunction electronic displays
Kearfott Guidance and Navigation	0		Gyros, display/transformers/cover flywheel/cable assembly
L-3 Communications	38		Integrated electronic assembly repairs, upgrades
Launch Coast Services	0		Clean room environmental services
Lockheed Martin Space Operations	See above		Pyrotechnic initiator control engineering and spares
Moog Inc.	2		Servoactuator/services/closure stop, power spool
MRI Technologies	0		Flight Software Support
Pacific Scientific, Energetic Materials	8		Reefing lines, separation bolts, frangible nuts
Pratt & Whitney	331	Yes	Forward booster separation
Rockwell Collins	161		Navigation Instrumentation
SAIC	396	Yes	Software engineering (Also includes "Science Ap")
Space Gateway Support	0		Engineering and Kennedy Space Center support
Titan Systems	19		Software engineering
Troutman Technical Services	0		Technical documentation, cleaning services in mission critical areas
Wiltech of Florida	0		Component cleaning
Estimated Total	3,225		