

Modern Airships – Parts 1 & 2

Airship index by type, with links to articles

17 March 2024

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Conventional, rigid airships			
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Airship Advertising / Laws Corp. – rigid airship	Link	Augur RosAeroSystems (RAS) - DZ-N1 & MD-900	Link
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Cargo Airship Ltd. – Shipping container carrier	Link	FlyWin – demonstrator airship	Link
CL CargoLifter GmbH & Co. KGaA - rigid heavy-lift airships	Link	Gibbens & Associates – AirLighter 2 and cycloidal propellers	Link
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LTA Research and Exploration – Pathfinder 1 & 3 rigid airships	Link	The Hamilton Airship Company (THAC) - HA-44, -80 & -140	Link
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Conventional, semi-rigid airships			
Airship do Brasil (ADB) – ADB 3-30 & 3-15/30	Link	Aere Airships	Link
CargoLifter AG – CL160 & Joey	Link	Airstar – Alpha	Link
Lockheed Martin – Large conventional semi-rigid airship	Link	Capgemini Engineering (formerly Altran Aerospace) – Sun Cloud	Link
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SAIC & ArcXeon International - Airstation UAS Carrier	Link	SkyLifter Ltd. - Flying Crane, SL150, SL50, SL25 & SL20	Link
UPship – passenger, cargo, gas carrier & Solar Quest airships	Link	SolarAirShip - High-Speed Solar Airship (HSSA)	Link

ZLT Zeppelin Luftschifftechnik GmbH - Zeppelin NT	Link		
ZLT Zeppelin Luftschifftechnik GmbH - Zeppelin ZET	Link		
Conventional, non-rigid airships (blimps)			
Advanced Airship Corp. (AAC) – ANR-1	Link	21 st Century Airships – Voyager	Link
Aeros (Worldwide Aeros Corp.) - Aeros 40 Sky Dragon	Link	21 st Century Airships & Techsphere - spherical blimps	Link
Aerospace Development – AD-500	Link	Aérial Concept Group & Transoceans – IRIS Challenger I & II	Link
Airship do Brasil (ADB) – ADB 3-X01 & 3-3	Link	Aerostatica - 01, 02 & 300	Link
Airship Industries – Skyship 500, 500HL & 600	Link	Aerovehicles, Inc. (AVI) – AV-10 blimp	Link
American Blimp Corp – A-60+, A-150 & A-170 Lightships & Navy MZ-3A (A-170G)	Link	Atlas LTA Advanced Technology - Atlas-6 and -11 blimps	Link
ATG / HAV – AT-04 & AT-10	Link	Augur RosAeroSystems (RAS) - MA-55, PD-300, Au-11, -12M. -30 & SOKOL	Link
Bell Aerospace Textron – MPA (Navy MPA)	Link	Aviation Industry Corporation of China (AVIC) – AS700	Link
Blackwater Airships / Guardian Flight Systems - Polar 400 / 450, Polar 600 & Polar 3000	Link	DKBA conventional airships - 2DP & DP-6000 blimps	Link
Goodyear Aerospace – N-Class blimps ZPG-1, -2, -2W & -3W	Link	E-Green Technologies (EGT) - Bullet 125 & 580	Link
Goodyear Aerospace – Civilian blimps GZ-19, -19A, -20, -20A & GZ-22	Link	Myasishchev Experimental Design Bureau (OKB-23) – 2AB & Cruise-1 blimps	Link
Goodyear Aerospace – ZPG-X (Navy ANVCE)	Link	Ural OKBD (Bimbat) – cargo blimp	Link
Goodyear Aerospace – ZP3G (Navy MPA)	Link	Vantage Airship Manufacturing Co. - CA-80, -150, -180 & -300 blimps	Link
Goodyear Aerospace – YEZ-2A (Navy Sentinel 5000 proposal)	Link	Voliris – V900	Link
Lindstrand Technologies – GA-42	Link		
Mav6 LLC - Blue Devil Bock 2 – M1400	Link		
Solar Airship Ltd. – subscale prototype & Sunship	Link		
Thunder & Colt – GA-42	Link		
US-LTA – Model 138S	Link		
Westinghouse Airships Inc. (WAI) – Sentinel 1000 & 5000 (Navy YEZ-2A)	Link		
West Deutsche Lufverwerbung GmbH (WDL) - WDL-1 & -1B	Link		

Variable buoyancy, fixed volume airships			
Aeros - Dragon Dream & modified 40D Sky Dragon	Link	AeroVehicles, Inc. (AVI) - Minicat, Aerocat R-12 & R-40	Link
Aeros – Aeroscraft ML866 / Aeroscraft Generation 2	Link	Airship-GP - “Super Hybrid” AeroTruck, AeroBoat & AeroYacht	Link
S.E.A.B. – Champlain	Link	Atlas LTA Advanced Technology - ATLANT 30, 100 & 300	Link
Vaeth & Stehling – Helium Horses	Link	Augur RosAeroSystems (RAS) – ATLANT	Link
Walden Aerospace / LTAS - lenticular, toroidal, variable buoyancy airships	Link	Euro Airship – 10T, 50T, 400T & Solar Airship One	Link
		Global Airships – Atlas	Link
		H2 Clipper Inc. – H2 Clipper hydrogen transport	Link
		Imaginative – Alert, Invitation & Kugaaruk	Link
		Kiev OKBV – D-1	Link
		Krylo Design Bureau – SHa-2000	Link
		LTA Aerostructures – 10T & 70T	Link
		Skylite Aeronautics – GeoShip	Link
		Third Dimension Project – SHa-3500	Link
		Varialift Plc. – ARH-PT, ARH 50 & 250	Link
Variable buoyancy, variable vacuum airships			
		Anumá Aerospace Corp. – partial vacuum airship	Link
		Iliá Toli – vacuum airship	Coming in 2024
Variable buoyancy, variable volume airships			
		A-NSE - tri-lobe airships & aerostats	Link
		Arthur Clyde (A.C.) Davenport - Dynapod	Link
		EADS – Tropospheric Airship	Link
		PK Vozdukh – all-metal, variable volume airship	Link
		Ural OKBD (Bimbat) – Ural-2, Ural-3, Double hull airship, Horizontal wing airship, Lenticular airship, Triangular (delta) wing airship, Vertical wing airship	Link
		Voliris - V901, V902, V930, V932 NATAC & SeaBird	Link

Variable buoyancy, hybrid thermal-gas (Rozière) airships			
		Aerosmena (AIDBA) – A20, A-60, A200 & A600	Link
		Boeing – hybrid thermal airship	Link
		Design Bureau Thermoplan - Thermoplane	Link
		Gibbens & Associates – AirLighter and cycloidal propellers	Link
		Lockheed Corp. – Starship small rigid airship (SRA)	Link
		LocomoSky – LokomoSkyner	Link
		Thermo-Skyships Ltd. (TSL) - Thermo-Skyship	Link
Variable buoyancy propulsion airships			
		Hunt Aviation – Gravity Plane	Link
		New Mexico State University - Advanced High-Altitude Aerobody (AHAB)	Link
		Phoenix	Link
		Solomon Andrews – Aereon & Aereon 2 (1863)	Link
		Utah Aereon Corp. – Aereon SA-1	Link
		Walden Aerospace / LTAS – HY-SOAR B.A.T & VAMPIRE	Link
Semi-buoyant hybrid airships			
Advanced Technology Group (ATG) – SkyCat & Sky Kitten	Link	Airship-GP - AeroTruck, AeroBoat & AeroYacht	Link
ATG / Hybrid Air Vehicles (HAV) - Condor	Link	Chinese Academy of Sciences – Hybrid airship for Airborne Electromagnetic (AEM) surveys	Link
AT ² Aerospace – Z1	Link	Dirisolar - DS 0.6, DS 12, DS 900, DS 1500 & DS 30	Link
Boeing Vertol – Helipsoid	Link	Dolphin Luftschiff	Link
DARPA – Project WALRUS	Link	Flying-Yacht	Link
EERM – Dinsaure & Dino 2	Link	Kamov Company – Aerolet	Link
GNSS / NSS / ENSS – StarShadow	Link	Krylo Design Bureau – SHa-10b	Link
Goodyear Aerospace – SABV (Navy ANVCE)	Link	Magnus Aerospace Corp. – LTA 20-1 spherical Magnus effect airship	Link
Goodyear Aircraft – Dynamic lift airship	Link	MBDA – Armatus airship	Link
Hov-Air-Ship Inc. – HX-1 & HX-2	Link	Millennium Airship - SkyFreighter SF20T, SF50T & SF500T	Link
Hybrid Air Vehicles / Northrop Grumman - HAV-3 & HAV-304 (LEMV)	Link	Nautilus SpA – Elettra Twin Flyers (ETF)	Link
Hybrid Air Vehicles –	Link	Turtle Airships	Link

Airlander 10 prototype			
Hybrid Air Vehicles – Airlander 10 & 50	Link	Vantage Airship Manufacturing Co., Ltd. - CA-60T & CA-200T	Link
Lockheed Martin – Ultra-large rigid hybrid airships	Link		
Lockheed Martin – Semi-rigid, hybrid airships - Aerocraft	Link		
Lockheed Martin – P-791	Link		
Lockheed Martin – SkyTug & LMH-1	Link		
S.E.A.B. – Alcyon	Link		
University of Virginia (UVA) Charlottesville - Solar Airship Program - Dunkin, Aztec & Inca	Link		
US Navy (NAVAIR) – HULA program	Link		
Semi-buoyant airplane / airship hybrids			
Aereon Corp. - Aereon III	Link	Egan Airships - PLIMP Model D drone & Model J	Link
Aereon Corp. - Dynairships & Aereon 26	Link	Nimbus srl - Eos Xi & Metaplano inflated wing aircraft	Link
Advanced Hybrid Aircraft Ltd. - Albatross & Patroller 3	Link	Prospective Concepts AG - Stingray	Link
Boeing - Semi-buoyant heavy lifter	Coming in 2024	Solar Ship – Semi-buoyant aircraft	Link
Megalifter Co. - Megalifter	Link	Tumencotrans - BARS & Bella-1	Link
Ohio Airships - DynaLifters DL-100 & Patroller, Freighter & Cruiser, Drone Runner	Link	Tumenecotrans - Rescue sloop & “Micro” RVK	Link
		Ural OKBD (Bimbat) - Hybrid winged airship	Link
Semi-buoyant helicopter / airship hybrids			
Aerolift Inc. - Cyclocrane & Cyclo-Cruiser	Link	Kiev OKBV - Albatros	Link
Aérospatiale - Hélicostats	Link	Myasishchev Experimental Design Bureau (OKB-23) - VS-80 & VS-90 Vertostats	Link
Aérospatiale - Obélix & Obélix II	Link	PK Vozdukh - multi-purpose, helicopter / airship hybrid	Link
All American Engineering – Aerocrane	Link		
Boeing – LTA vertical load lifting system	Link		
Bothe – Helitruck & semi-buoyant hybrid aircraft	Link		
Goodyear Aerospace – Dynastats & airline feeder	Link		
Goodyear Aerospace – Quad-rotor heavy-lift helistats	Link		
Kawasaki - helistats	Link		
NASA - heavy lifter helistat	Link		

Piasecki - Quad-rotor heavy-lift helistats & PA-97	Link		
Skyhook International – Jess hybrid lift air vehicle	Link		
Skyhook International / Boeing - SkyHook JLH-40	Link		
Tentai III helistat	Link		
Stratospheric airships / High Altitude Platforms (HAPS)			
Aeros (Worldwide Aeros Corp.) - G2R high altitude airship	Link	Aerostatica – Stratospheric airship	Link
Airship do Brasil (ADB) - SAGA	Link	Atlas LTA Advanced Technology - Propulsion Assisted High Altitude Platform (PAHAP)	Link
AIST & MITI - HALROP & HALROP - ETHER	Coming in 2024	Augur RosAeroSystems (RAS) - HAA Berkut	Link
ATG - StratSat	Link	Avealto Ltd – HAPS	Link
C.R.N.S. - Pégase:	Link	Beijing Aerospace Technology Co. & BeiHang - Yuanmeng	Link
GNSS / NSS / ENSS - StarLight	Link	Capgemini Engineering (formerly Altrans Aerospace) – EcoSat AS30 & AS80	Link
Japan Stratospheric Platform (SPF) - SkyNet	Link	CIRA (Italian Aerospace Research Center) – Hybrid HAPS	Link
JP Aerospace - Ascender 175 / NSMV, Atmospheric Ascenders & Dark Sky Station	Link	ESA / Lindstrand - High-Altitude Long-Endurance (HALE) aerostatic craft	Link
Lockheed Martin - High-Altitude Airship (HAA)	Link	EU CAPANINA	Link
Lockheed Martin - HALE-D	Link	Galileo Systems - Graf Galileo HAA	Link
Lockheed Martin / DARPA - ISIS	Link	NASA - 20-20-20 airship challenge	Link
Skysat Communications Network Corp. – Skysat HAPS	Link	Sanswire / WSGI – Stratellite One & Argus One	Link
Sky Station International Inc. - Sky Station HAPS	Link	Sceye Inc. – stratospheric airship	Link
StratoComm Corp. - Stratospheric Telcom System (STS)	Link	Strasa.Tech - HAPS platform	Link
South Korea stratospheric airship - VIA-200	Link	Stratosyst – Skyrider	Link
Southwest Research Institute (SwRI) - HiSentinel	Link	StratXX – X-Station	Link
Walden Aerospace / LTAS - S.O.S.C.S.	Link	TAO Group – SkyDragon	Link
		Thales Alenia Space – Stratobus	Link
Personal gas airships			
James Thompson – Little Green Men	Coming in 2024	Airstar - Electroplume 250 & 320, Elliptoplume 150 & Manned AéroLifter	Link
Marvin Polzien – personal blimp	Coming in 2024	A-NSE - A-N400	Link
Memphis Airships –	Link	Project Sol'R - Nephelios	Link

EXP II, Zephyr 200 & 500			
SkyrRder Airships – SkyrRder BA-2	Link	Shi Songbo p- ersonal blimp	Coming in 2024
Tracey Barnes – Whispership	Coming in 2024		
Tucker Airships – TX-1 Silver Hawk	Link		
Thermal (hot air) airships			
APEX Balloons - thermal airship	Link	Airstar - Colibri 1800	Link
GEFA-Flug (Impacto Aereo) - AS- 105GD/4 & AS-105GD/6	Link	Augur RosAeroSystems (RAS) – Au-29, -31, -35 & -37	Link
Skyacht - Personal Blimp	Link	Ural OKBD – Thermostat (spindle & lenticular)	Link
Electro-kinetically (EK) propelled airships			
		Festo - b-IONIC Airfish	Link
		Walden Aerospace / Lighter Than Air Solar (LTAS) - XEM-1, EK-1 & BBD	Link
Hybrid rocket / balloon (Rockoon) airships			
JP Aerospace – Mach Gliders & Orbital Ascender	Link		
LTA drones			
Airship Manufacturing – Sky Sentinel drone blimp	Link	Aero Drum – Uniblimp drone	Coming in 2024
Airship Surveillance – R&D1 drone blimp	Link	Aerotain AG – Skye spherical drone blimp	Link
Blackwater Airships / Guardian Flight Systems – RC-36 drone blimp	Link	Airspeed Airships – AS-series drone blimps	Link
Buoyant Aero – twin hull drone	Link	Airstar Aerospace - Airstar Canada – drone cargo airship	Link
Challenger Aerospace Systems – Aeroblimp drone blimps	Link	BAK – EM50 drone blimp	Link
Galaxy Unmanned Systems – GC-35, -60 & -75 drone blimps	Link	Cloudline – autonomous cargo airship drone	Link
Hyperblimp LLC – Hyperblimp	Link	DKBA – conventional airships - drones	Link
ISL Aeronautical & Space Systems (formerly Bosch Aerospace Inc.) - SASS LITE & ACE drone blimps	Link	DKBA – enticular airships - drones	Link
Lindstrand Technologies – GA-22 drone blimp	Link	Hemeria (formerly CNIM Air Space) – Diridrone	Link
NASA / Jet Propulsion Laboratory - AS-800B prototype aerobot testbed	Link	Hipersfera d.o.o. - Hypersphere HS-5K multipurpose drone	Link
SAIC – Skybus 80K drone blimp	Link	HyLight – drone blimp	Coming in 2024
Silicis Technologies Inc. – Altus drone blimp	Link	India Defense Research and Development Organization (DRDO) ADRDE - drone blimp	Link
		Information Technology Institute, Campinas - AURORA semi- autonomous drone blimp	Link
		Jülich Institute – FieldShip UAV drone blimp	Link
		Kelluu Airships – drone blimps	Coming in 2024

		Korea Telcom – KT 5G Skyship drone airship	Coming in 2024
		LAAS / CRNS – Karma semi-autonomous blimp	Link
		Mustafa Demir – drone blimp	Link
		Otonom Teknoloji – drone airship	Link
		Shanghai Jiao Tong University_ ZY-1 & Tianzhou-1	Link
		StratXX – PhoenixXX drone blimp	Link
		Suzhou Ark Aviation Technology Co. Ltd. – drone blimps	Link
		TAO Group – Lotte airship blimp	Link
		Transoceans – Léilo sub-scale demonstrator drone blimp	Link
		Ural OKBD - Ural-4 (MIASS-1) drone blimp	Link
		Vantage Airship Manufacturing Co., Ltd. - drone blimps	Link
Tethered aerostats (Kite balloons)			
Aeros – NADATS MPTA, 3200, Sky Crow, NG1000 aerostats	Coming in 2024	Abu Dhabi Autonomous Systems Investment (ADASI) - aerostats	Link
Altaeros Energies – ST-Flex & ST-300 aerostats	Coming in 2024	A-NSE - T-C350 & T-C1400 tethered aerostats	Link
GNSS / NSS / ENSS – StarTower	Link	Aero-T - SkyGuard tethered aerostat	Link
ISL Aeronautical & Space Systems (formerly Bosch Aerospace Inc.) - REAP XL	Link	Airborne Industries - tethered aerostats aerostats	Link
Lockheed Martin – PTDS 74K aerostats	Coming in 2024	Airstar Aerospace - White Hawk, Eagle Owl & Condor tethered aerostats	Link
Lockheed Martin – TARS 420K aerostats	Coming in 2024	Atlas LTA Advanced Technology - conventional aerostats & THAP	Link
Raven Aerostar – TIF-17K to -75K tethered aerostats	Coming in 2024	Augur RosAeroSystems - tethered aerostats	Link
Raytheon / TCOM – JLENS aerostat system	Link	China Mobile - Cloud One – 5G base station aerostat	Link
Raytheon / TCOM – RAID aerostats	Coming in 2024	Chinese Academy of Sciences - Jimu No 1 – high altitude aerostat	Link
SAIC – Marine Airborne Re-Transmission System (MARTS) aerostats	Coming in 2024	Hangzhou Gauss Inflatable Tech Co - blimps & aerostats	Link
Silicis Technologies Inc. – Altus & Durus aerostats	Link	Hemeria (formerly CNIM Air Space & Airstar Aerospace) - White Hawk, Eagle Owl & Condor tethered aerostats	Link
SkySentry LLC – HEA-series & TEA-45 aerostats	Coming in 2024	India Defense Research and Development Organization (DRDO) ADRDE - aerostats	Link
StratoComm Corp. – Transitional Telcom System (TTS)	Link	Israel Aerospace Industries (IAI) - HAAS aerostats	Link

TCOM aerostats	Coming in 2024	Mustafa Demir – tethered aerostat	Link
U.S. Army – Persistent Surveillance System Tethered (PSS-T)	Coming in 2024	Otonom Teknoloji – tethered aerostats	Link
U.S. Shipboard aerostats – U.S. Army SASS and USCG SBA / MIST programs	Link	RT LTA Systems Ltd. – Skystar™ tethered aerostats	Link
		StratXX – X-Tower tethered aerostat	Link
		Suzhou Ark Aviation Technology Co. Ltd. – aerostats	Link
Tethered manned aerostats			
		Aerophile SAS – Sightseeing balloons	Coming in 2024
		Airborne Industries – parachute training balloons	Link
		Atlas LTA Advanced Technology – Skylift sightseeing balloon	Link
		Augur RosAeroSystems – AL-30 sightseeing balloon	Link
		Lindstrand Technologies – HyFlyer, SkyFlyer sightseeing balloons & Gen2 parachute training balloons	Coming in 2024
Tethered LTA wind turbines			
		Aerostatica Energy Airships	Link
		Airbine™ Renewable Energy Systems (ARES) – Airborne Wind Turbine (AWT)	Link
		Altaeros Energies – Buoyant Airborne Turbine (BAT)	Coming in 2024
		LTA Windpower Inc. – PowerShip	Link
		Magenn Air Rotor System – MARS	Coming in 2024
Tethered heavy lift balloons			
CargoLifter AG - CL75 AC (AirCrane)	Link	Airstar Aerospace – AéroLifter	Link
CL CargoLifter GmbH & Co. KGaA – AirCrane, AirBridge & AirBarge	Link	Novosibirsk OKB – Heavy-lift airship towed barge	Link
Free-flying high-altitude balloons			
Aerostar International / TCOM (formerly Raven Aerostar) - stratospheric balloons	Coming in 2024	Airstar Aerospace – stratospheric balloons	Link
Google – Loon	Coming in 2024		
JP Aerospace – stratospheric balloons	Link		
Near Space Corp. (NSC) – High Altitude Shuttle System (HASS)	Link		
Zero 2 Infinity – Elevate & Bloostar stratospheric balloons	Coming in 2024		
Free-flying manned high-altitude balloons			

EosX - stratospheric passenger balloon	Coming in 2024		
HaloSpace - stratospheric passenger balloon	Coming in 2024		
Iwaya Giken – T-10 Earthr stratospheric passenger balloon	Coming in 2024		
Space Perspective – Spacecraft Neptune stratospheric passenger balloon	Coming in 2024		
StratoFlight - stratospheric passenger balloon	Coming in 2024		
World View Enterprises Inc. – Explorer stratospheric passenger balloon	Coming in 2024		
Zephalto - Céleste stratospheric passenger balloon	Coming in 2024		
Zero 2 Infinity – Bloon stratospheric passenger balloon	Coming in 2024		