

## The Projects

The following list is a compilation of the major projects developed by Burt and his team members from the beginning with Rutan Aircraft Factory to the present companies of Scaled Composites and Rutan Designs.

Name	Customer	Description	First Flight
VariViggen	homebuilders	canard, pusher, two-place, single-engine, all-wood	May '72
VariEze	(R&D)	high-efficiency, loaded canard, all-composite, VW engine	May '75
VariEze	homebuilders	homebuilt version of above, larger, with aircraft engine	Mar. '76
AD-1	NASA	skew-wing, all-composite twin turbojet	Nov. '79
Defiant	homebuilders	tandem-wing, all-composite, twin-engine, four-place	June '78
Quickie	homebuilders	single-place, tandem-wing, all-composite, Onan engine	Nov. '77
Long EZ	homebuilders	long-range, loaded canard, all-composite, single-engine, two-place	June '79
Biplane Racer	Mortensen/Amsoil	all-composite, tandem-wing, biplane racer	Aug. '81
Grizzly	R&D	three-surface, STOL, four-place, all-composite, off-field operation	Jan. '82
Next Generation Trainer	Fairchild Republic	subscale demonstrator to develop flying qualities for T-46 proposal	Sept. '81
Voyager	Voyager Aircraft	all-graphite, two-place, twin-engine, optimized for long-range records	June '84
Solitaire	homebuilders	self-launching sailplane	June '82
PARLC	U.S. Navy	power-augmented ram landing craft, twin turbojet	Sept. '80
Catbird	R&D	single-engine, turbocharged, reciprocating, five-place, pressurized, three-surface configuration	Jan. '88
Microlight	Lotus/Chapman	two-place, rigid ultralight pusher, canard, all-composite	Jan. '83
NGBA(Starship POC)	Beech	variable-geometry, twin turboprop, 85% scale of Starship	Aug. '83
Predator	Advanced Tech Aircraft Corp.	all composite, agricultural application, 80-cu.-ft.hopper	Sept. '84
ATTT	DARPA	twin turboprop, assault transport, fast-acting flaps, three-surface configuration	Dec. '87
Triumph	speculation	twin turbofan, seven-place, business aircraft, Williams FJ-44 engines	July '88
CM-44 UAV	California Microwave Inc.	composite manned/unmanned, long endurance, canard, single-pusher, turbocharged engine	Mar. '87
Scarab	Teledyne Ryan Aeronautical	ground-launched, high-performance reconnaissance drone, solid rocket + turbojet, (Scaled conducted structure only development and production)	June '86
Wing Sail	Sail America	graphite wing sails for America's Cup race, 90- and 108-foot span	May '88
Searcher	Israeli Aircraft Industries	longwing version of Pioneer RPV	Dec. '88
ARES	speculation	light attack turbofan, close air-support aircraft, high-agility, JT15D engine, GAU-12U gun	Feb. '90
Pond racer	Bob Pond	all-graphite, unlimited racer, two 1,000-hp Electromotive engines	Mar. '91
TFV	Loral	towed vehicle for decoy—model tests	Jul. '89
PLADS/Rockbox	Lockheed	eight-man parachute delivery system	Nov. '89
Gondola	Earthwinds	pressurized gondola for world balloon flight	Nov. '91
Pegasus flying surfaces	Orbital Sciences Corp.	wing and fins for air-launch vehicle	April '90
Model 191	Propriety	single-engine general aviation aircraft	Oct. '91
B-2 RCS model	Northrop	40%-scale pole model for radar echo tests	N/A
SU25 1/4-scale ROAR	Sandia National Labs	rocket-powered cable-mounted decoy	April '91
Ultralite show car	GMC	four-place, four-door show car	Jan. '92
Eagle Eye	Bell Helicopter	tilt-rotor demonstrator aircraft	—
DC-X	McDonnell Douglas	30%-scale single-stage rocket technology aeroshell	—
Raptor D1	Dept. of Energy	high-altitude RPV boost plane intercept	April '93
Vantage	Proprietary	FJ107-powered Long-EZ	Aug. '93
Z-40 Bladerunner	Zond	blades for large wind generator	April '94
Comet	Space Industries	all-composite spacecraft unmanned reentry capsule	1995
Raptor D-2 ERAST	DOE/NASA,	high-altitude RPV for environmental research	Dec. '94
Freewing full scale	Freewing Aircraft	close-range, super STOL RPV	Oct. '94
Kistler Zero	Kistler Aerospace	two-stage demonstration rocket, canceled mid-1995	—
Boomerang	R&D	symmetrical configuration five-place, pressurized reciprocating twin	June '96
Vantage	Visionaire Corp.	single-engine turbofan, seven-place, business aircraft, with JT15D-5 engines	Nov. '96
Proteus	Wyman Gordon	turbofan, high-altitude, multipurpose platform	July '98
V-Jet II Spike	Williams Int'l.	twin turbofan, five-place, pressurized	April '97
Motel 6 DLS	Voyager Aircraft	pressurized spherical gondola for world balloon flight	Jan. '98
X-38	NASA	crew rescue vehicle for space station	Jan. '98
Alliance UAV	NASA ERAST	85,000-foot environmental research UAV	—