AIAA

2009 Worldwide UAV Roundup

AEROSPACE AMERICA

Country	Prime	Designation	Development	Production	Operation	Propulsion	Gross Wt.	Payload Wt.	Wing Span	Endurance (hr)	Range	Ceiling (ft)	Mission
ABU DHABI	AD UAV		Under way										
	Adcom Military Industries	Yabhon RX-6	Under way			Piston pusher prop	1,100 lb	110 lb	19.7 ft	30		14,500	R/S
		Yabhon RX-18	Under way				1,250 kg		12 m				Predator-class MALE
ARGENTINA	Nostromo Defensa	Yarara	Under way	Under way	Limited	Piston	22.5 kg	5 kg	4 m	4	20 km	11,483	RSTA
		Cabure	Complete			Electric	3.5 kg		1.7 m	1.2	10 km	6,562	RSTA - BDA
		Yagua	Complete			Piston or electric pusher	12 kg	2 kg	1.7 m	16 P.- 1.5 E.	30+ km		TUAV for special ops
AUSTRALIA	Aerosonde [acquired by AAI]	Mark 3.1	Complete	Under way	Deployed	Pusher prop	15 kg	4 kg	2.46 m	36- 5 loaded	1,800	20,000	LALE - surveil - environ - deterrence
		Mark 4.1	Under way	Under way	Deployed	Pusher prop	15 kg	5.2 kg	2.92 m	30	1,800	20,000	Multirole
	ADRO	Pelican Observer	Under way				27.2 kg	13.6 kg		12			
	BAE Systems	Kingfisher Mk1 (Brumby Mk4)	Under way			Pusher prop	60 kg	12 kg	14	3	64-185 km		Demonstrator
		Kingfisher Mk2	Under way			Pusher prop	115 kg	30 kg	13.5	14			Demonstrator
	(w/Univ. of Sydney)	Brumby Mk3	Under way				45 kg	7 kg	9.2	2			Demonstrator
	Codarra Advanced Systems	Avatar P2	Complete		Deployed	Electric prop H-L	6 kg	1 kg	8.2	1	10 km	1,000	R/S - monitoring
	CSIRO	Mantis	Under way				8 kg	0.08 kg		20 min			
	Entecho	Demipod	Under way				200 kg	100 kg		6			
		Mupod	Under way				10 kg	5 kg		2			
	ADI	Jandu	Under way			Jet		35 kg		4+			Demonstrator
	Silverstone	Flamingo	Under way				20 kg						
	Sonacom	Mirli	Under way				300 kg	100 kg		5	1000 km		Demonstrator
	Univ. of S Australia/ASC	Tandem Wing											Demonstrator
	UAV Vision	G18 Aeolus	Under way				14 kg	5 kg			1 km		
		T21	Under way				35 kg	8 kg			1 km		
		T26	Under way				45 kg	12 kg			0.8 km		
	V-TOL Aerospace	Hammerhead	Under way				9 kg	4 kg		20 min			
		i-copter Phantom	Under way				250 kg	135 kg		12			
		i-copter Seeker	Under way				40 kg	10 kg		2			
AUSTRIA	Schiebel Elektronische Geraete	CamCopter S-100	Complete	Limited	Limited	Rotary	200 kg	50 kg	3.1 m rotor	6	180 km	18,000	Helicopter RSTA - attack
BELGIUM	Flying-Cam	Flying-Cam	Complete		Deployed		15 kg			15 min	0.35 km		
	SONACA/IAI/Thales	B-Hunter	Complete	Under way	Deployed	Piston	886 kg	100 kg	9 m	11-to-24	150 km	25,000	Multirole
BRAZIL	Flight Solutions	FS-01 Watchdog	Under way			Pusher prop	65 kg	30 kg	4.07 m		70 km		
		FS-02 AvantVision	Under way			Electric	3 kg	1.5 kg		1	12 km		
		FS-03 Starcopter	Under way				240 kg	113 kg			250 km		
BULGARIA	Aviotechnica	Hawk 2MV	Complete	Under way			62 kg		3.52 m	1	50 km	7,874	Aerial target
		Hawk 2MX	Under way										Aeria ltarget
	Armstechno	NITI	Under way	Limited		Piston	60 kg		5.38 m		500 km	16,400	Environmental monitoring
BYLORUSSIA	Kvand Ventures	Husky	Under way			Twin turbojet rotor	90 kg	42 kg	3.2 m rotor	1.2		5,850	S/SAR helicopter
CANADA	MMIST	SnowGoose CQ-10A	Complete	Under way	Deployed	Turbo pusher prop	609 kg	250 kg		15 w/100 lb			ISR - comm - cargo
		SnowGoose CQ-10B	Under way	Limited	Limited	Turbo pusher prop/rotor		227 kg		24	150 km		Near-VTOL - force protection - small unit resupply
	MicroPilot	CropCam	Under way		Limited								Agriculture
		MP-Trainer	Complete					0.9 kg		1	4 km		Trainer
		MP-Vision	Complete				2.7 kg				450 km		Trainer
CHILE	IDETEC	Sirol				Electric prop		3 kg		2-4	20 km		Demonstrator
	Chilean AF Polytechnic	Vantapa X-02	Under way				150 kg		7				
	RMS SA	Mantarraya	Complete				60 kg		4				
CHINA	BSST	AW-2 Sun Ying	Complete				10 kg			1.3	5		
	Beijing Wisewell	AW-4 Shark	Complete			Pusher prop							
		AW-12A	Complete			Piston							Portable recon
	Beijing Black Buzzard Aviation	HFT-40A	Under way			Microturbine	45 kg				80 km		High speed/low endurance
		HFT-60A	Under way			Microturbine R-L	90 kg			3	150 km		High speed/low endurance
		Joined-Wing UAV	Under way			Pusher prop							Unprepared airstrip operations
	BUAA	WuZhen-5A/ChangHong 1	Complete		Deployed	Turbojet	1,700 kg	70 kg	32	3	2500 km	57,400	Multirole; based on US AQM-34N Firebee
		Haiou (Seagull)	Under way			Twin contrarotating							VTOL
		M-22	Under way				50 kg			1.5			
	CASC	PW 2	Under way	Under way		RATO	209 kg	30 kg		8	200 km	15,000	RSTA
		CH-3	Complete					100 kg					Medium range/long endurance UCAV
	Chengdu Aircraft	Xianglong	Under way		Testing	Turbofan or turbojet	7,500 kg	650 kg	25 m		7000 km	58,500	HALE strategic reconn
		Tianchi	Under way										Similar to Global Hawk, but smaller
		Yilong	Under way		Testing	Turbo	1,150 kg	200 kg		20		16,250	
	China Aviation Industry	AVIC I Sunshine	Under way				750 kg	70 kg		12	230 km		
	CASIC	SH-1	Under way										Multimission
		SH-3	Under way										Low-speed light UAV
		TF-8	Under way										Man-portable
		TF-10	Under way										Remote sensing
	Guizhou Aviation Industry Group	WuZhen-2000A	Under way			Turbofan	1,700 kg	80 kg	9.8 m	3	800 km	58,500	UCAV - possible WuZhen-9 variant
		Soar Dragon	Under way				7,500 kg	650 kg				23,000	
	NRIST	W-30/50	Complete	Under way	Deployed	Piston pusher prop		18 kg/95 kg	5 kg/20 kg	4-6	10 km/100 km	9,840	R/S - EW - comm relay
		S-45	*Under way*			*Gasoline engine*	*33*		*5.25*	*1*			*Target drone, fighter jet styling*
		YK-7	*Complete*		*Deployed*	*Piston*	*31*	*2.2*	*7*	*0.6*	*3*	*3,250*	*Reusable aerial target*
		Z-2	Complete	Under way			35 kg	10 kg	Rotor	1			RSTA
		Z-3	Complete	Under way			130 kg	30 kg	Rotor	4	100 km		RSTA
		IZ	*Under way*	*Under way*		*Autogyro*	*9 kg*			*1*			*Gyrocopter*
	NUAA	Soar Bird	Complete			Rotary - piston	310 kg	30 kg	19 rotor		90	9,800	VTOL
		ChangKong-1 (A-B-C-E)	Complete		Deployed	Turbojet	3,340 kg		24.5 ft	1	600 km	16,250	Target drone - air sampling - photo
		ChangKong-2	Complete		Deployed	Turbojet	2,500 kg		7.6 m	0.75		59,000	Little known; developed late 1990s
	PLA Air Force	J-5/J-7I Ground Attack UAV	Under way	Under way	Limited	Turbojet	9,100 kg	1,100 lb	8.32 m		850 km	61,700	Converted Chinese MiG-17 and -21; "Suicide UAV" (cruise)
		Ba-5	Under way			Jet	13,200 lb	1,100 lb	31.2 ft		936 mi	9,600	Based on J-5 - target drone - "cruise"
		TianJian-1	Under way	Under way	Deployed	Turbojet - RATO	176 lb		5 ft	0.5	30 mi	13,000	Cruise missile target drone
	SARI	*Shen Zhou-1*	*Complete*			*Piston (3)*	*73*		*L-28, D-9*		*1.86*	*6,500*	*Remotely piloted Zeppelin - video*
		Shen Zhou-2	*Complete*				*53*					*6,500*	
	SMIST	Airship				Airship		10 kg	3.8 m diam	2	20 km	1,950	Aerial photography - mapping - surveying
	SADRC	Dark Sword (Anjian)	Under way			Jet							UCAV concept
		Hidden Sword	Under way										UCAV
		Long-Haul Eagle	Under way										ISTAR - C4KISR
	w/Russia	Supernal Hawk	Under way										HALE antistealth (aerial bistatic radar warning system)
		Warrior Eagle	Under way										SEAD/DEAD - recon
		Wing Loong	Under way	Under way	Testing	Piston	1,150 kg	200 kg		20		16,250	Reconnaissance
	Xian	ASN-9 (Ba-9)	Complete		Deployed	Prop			2.82 m	1			Ship-launched target drone
		ASN-15	Complete		Deployed	Piston H-L	6.5 kg		3 m	1	10 km	1,625	ISR
		ASN-104/105	Complete		Deployed	Piston	140 kg	30 kg/40 kg	4.3 m	2	60 km/100 km	10,400	Tactical ISR
		ASN-206	Complete	Under way	Limited	Piston	222 kg	50 kg	6 m	8	150 km	19,500	Advanced tactical R/S
		ASN-207	Under way			Piston	480 kg	100 kg	6 m	16	600 km	19,500	EW/EC m - SIGINT - Jamming
	Unknown	*UAVRS II*			*Limited (?)*		*40 kg*		*3.5 m biplane*	*2*	*20 km*	*13,000*	*Aerial photography - mapping - surveying*
		Dufeng II	*Under way*										
		Sh-1	*Under way*										*Long range*
		Zhanying (Combat Eagle)	*Under way*										*Stealth strike UCAV, similar to U.S. X-45*
COLOMBIA	Efigenia Aerospace Robotics	EJ-1B Mozart	Under way				8 kg			1			S/VTOL
		EJ-2A Fatima	Under way										Long endurance
CROATIA	RH-ALAN	BL-50	Complete	Complete	Deployed	Piston	53 kg	13.2 kg	13.1	5	72	5,000	Recon - surveillance
		BLS B	*Complete*	*Complete*	*Deployed*	*Piston*		*14.5 kg*	*13.1*	*3*	*30*	*5,000*	
	Soko	B4-MR	Under way			Electric	220 kg	50 kg	19.5	12	120		RSTA
CZECH REPUBLIC	VTÜL STV	Sojka III	Complete	Under way	Limited	Piston	145 kg	25 kg	13.4	2	100 km	6,600	Recon - surveillance
FINLAND	RUAG	Ranger	Complete	Complete	Deployed	Piston CL	285 kg	45 kg	5.7 m	9	180 km	18,000	RSTA
	Patria	Miini-UAV	Complete			Electric	3.5 kg	0.5 kg		1	20 km		
FRANCE	Alcore	Azimut 2	Complete			Electric pusher prop	9 kg	2 kg	2.9 m	2	10 km	975	Surveillance
		Chacal 2	Complete	Under way		Pusher prop or turbojet	75kg	20 kg	2.6 m	4	50 km	10,000	RSTA - missile simulation
		Biodrone	Under way			Electric	9 kg	3 kg	3.4 m	1.5	20 km	100	Surveillance
		EasyCopter	Under way	Under way		Electric rotor	1.6 kg		0.65 m rotor	15 min	1 km		Civil aerial video/digital photo
		Epsilon 1	Under way			High air pressure piston H-L	0.45 kg	0.1 kg	0.5 m	10 min	1 km	10	R/S prototype
		Epsilon 2	Under way			High air pressure piston	0.125 kg		0.25 m	10 min	1 km	10	R/S MAV prototype
		Futura	Under way			Mini-turbo C-L	70 kg	10 kg	2 m	1	50 km	100	RSTA drone or UCAV
		Maya	Under way			Electric tailsitter	2.5 kg	0.5 kg	0.32 m	30 min	1.5 km	165	Mini-VTOL, urban surveillance
	Bertin Technologies	Flying Ball	Under way				1.5 kg	0.2 kg		0.5			
		HoverEye	Under way	Under way		Ducted rotor	3.5 kg		2 diam.	9 min	0.3 km	500	Day/night security
	Dassault	SlowFast	Under way			Turbine (2)	60 kg		2.5 m	4 (low speed)			Stealth - recon
		nEUROn	Under way		First flight 2011	Turbine	6,000 kg		9.25 m	3	1200 n.m.	51,000	UCAV demonstrator
		Petit Duc (AVE D)	Complete				60 kg				150 km		
	EADS DCS	Eagle I	Complete		Deployed	Piston	907 kg	250 kg	16.3 m	12	1,700 km	131,240	RSTA-BDA
	Infotron	Drone IT 180-5 EL	Under way			Electric	15 kg		1.8 m rotor	30 min		9,750	R/S - SAR - environmental monitoring
		Drone IT 180-5 TH	Under way			Piston	15 kg		1.8 m rotor			9,750	R/S - SAR - environmental monitoring
	SAGEM	SDTI	Complete	Under way	Deployed	Piston			13.75	8.5		17,000	Interim tactical UAV to replace Crécerelle
		Crecerelle	Complete		Deployed	Piston	153 kg	35 kg	3.28 m	5	90 km	13,124	RSTA
		Odin	Under way			Electric ducted fan	3.2 kg	0.2 kg	0.4 m		1 km urban	36 hover	Tailsitter - very close range surveillance
		Sperwer TUAV	Complete	Under way	Deployed	Piston	260 kg	50 kg	4.2 m	8	81 km	15,000	Surveil - ATG
		Sperwer-B	Complete	Under way		Piston C-L	350 kg	100 kg	6.8 m	12	200 km	20,000	MALE - ISTAR - ATG - ATA
		Sperwer Mk II		Under way	Deployed								Modernized Sperwer TUAV - logistics, imaging
	Survey-Copter	Copter II	Under way	Under way	Deployed	Piston	28 kg	10 kg	1.8 m rotor	2	5 km	1,600	Helicopter observation
GERMANY	Diehl BGT Defence	SensoCopter	Under way	Under way		Electric	0.9 kg	0.15 kg	4 Rotor	<1	3 km	1,625	Short-range R/S
	EADS	Agile UAV-NCE	Under way		Demo to 2013								Agile UAV within network-centric environments
	w/Northrop Grumman	EuroHawk	Under way		IOC 2013-14	R-R Allison	14,640 kg	1360 kg	39.9 m	30	25,000 km	65,000	Global Hawk-based SIGINT/ELINT/CO miNT
		Advanced UAV	Under way				5,500 kg	680 kg	25.25 m	20		46,000	Wide-area R/S
		Barracuda	Under way			Jet	>3 t		7 m				Technology demonstrator for Agile
		Sharc	Under way	Limited	IOC 2009	Coaxial rotor-wing		60 kg		4			Short-range VTOL; SEAMOS derivative
		Atlante											Long endurance ISTAR/BDA
		Do-MAV	Under way			Electric	1 lb		1.3 ft	30 min	1 mi.		Recon
		DT25	Under way	Under way		Twin jet C-L	315 lb		8.3 ft	14		25,000	Subsonic target drone
		DT35	Under way	Under way		Twin jet C-L	110 lb		12 ft	1		25,000	Target drone
		DT45	Complete	Under way	Deployed	Twin jet							Target drone
		DT55	Under way	Under way		Jet C-L	48 lb		2 ft			25,000	Simulates airborne antiradar and cruise missiles
		DT25-55		Under way	Deployed								Carrier (DT25)/Target (DT55) drone combo
		CL-289	Complete	Complete	Deployed	Turbojet - rocket boost	240 kg	30 kg	1.32 m		30 n.m.	9,750	RSTA/BDA
		SIDM	Under way		Testing	Rotax 914	1,250 kg	250+ kg	16.6 m	30	1,700 n.m.	32,000	MALE all-weather ISTAR; based on IAI Eagle-1
		Carapas	Under way			Microturbo	1,650 lb		7.5 ft	0.9		40,000	ELINT
		ORKA 1200	Under way			Piston rotor	682 kg	180 kg	7.2 m rotor	8	185 km	12,000	MR VTOL - R/S
		Scorpio 6/Scorpio 30	Under way		Deployed	Electric	13/38 kg	6 kg	1.85/2.2 m rotor	1/2/09	6	6,500	VTOL MAV - R/S
		Surveyor 600	Under way			Microturbo	450 kg	65 kg	2.3 m	4.5	150 km	32,800	High-speed multimission TUAV
		DRAC/Tracker	Complete	Under way	Deployed	Electric H-L	7.5 kg	1.8 kg	3.6 m	2	10 km	6,500	MAV glider - tactical ISTAR
		MIKADO	*Under way*			*Electric*	*500 g*		*0.16 m*	*0.75+*	*0.6*		*Urban R/S*
	EMT	X-13	Under way	Limited	Limited	Piston	150 kg	30 kg	5 m	6	200 km	19,500	RSTA
		Aladin	Complete	Complete	Deployed	Electric H-L/ B-L	4 kg	0.2 kg	1.46 m	1	15 km	13,500	Surveillance
		Fancopter	Complete	Complete	Deployed	Electric	1.5 kg	0.3 kg	60 cm rotor	25 min	1 km	9,750	R/S - urban and inside buildings
		LUNA	Complete	Complete	Deployed	Pusher prop C-L	40 kg	5 kg	417 cm	5	100 km	16,500	Mini-UAV glider - tactical recon - targeting
		Museco	Under way	Limited	Limited	Turbo rotor	100 kg	25 kg	3 m rotor	3	100 km	13,000	Recon in controlled airspace
	Microdrones GmbH	MD4-200	Under way	Under way		Electric four-rotor VTOL		200 g	1.2 rotor (4)	0.33			R/S
		MD4-1000	Under way			Electric four-rotor VTOL	5.1 kg	1.2 kg					
	Rheinmetall Defence Electronics	Carolo P50	Under way	Under way		Electric prop H-L	0.58 kg	50g	0.49 m	0.25	1 km	325	Civil surveillance
		Carolo P70	Complete			Electric	0.55 kg	100g	2.25	20 min	0.6		Civil surveillance
		Carolo T140	Under way			Electric - twin prop	1.85 kg	0.3 kg	1.4 m	0.5	0.6		Civil surveillance
		KZO (Brevel) (Tucan)	Under way	Under way	Deployed	Pusher prop rocket booster	356 lb	77 lb	3.42 m	3.5	4	11,375	Recon - ESM - ECM - NBC detection
		Fledermaus ESM	Under way			Pusher prop rocket booster	356 lb		3.42 m	3.5		11,375	EW - KZO derivative
		Mücke	Under way			Pusher prop rocket booster	356 lb		3.42 m	3.5		11,375	EW - KZO derivative
		Opale	Twin Star deriv.	Under way		Prop - twin	3,750 kg	970 kg		12	100 km	18,000	R/S - border patrol - agriculture
		TARES	Under way			Piston pusher prop RATO	160 kg	50 kg	7.35	4	200 km	13,000	Attack (Taifun successor)
	RUAG Aerospace/IAI	Ranger	Complete			Pusher prop	280 kg	45 kg	5.75 m	6-9	100 mi	18,000	STAR
	Sabath UAV Services	X-Sight	Under way	Under way		Piston	16.5 kg	6 kg	2.65 m	3	45 km	9,843	Surveillance
	Scale Copter	CamClone MKI	Under way	Under way	Deployed	Jet	41.6 kg	10 kg	2.48 m rotor	1.1	20-100 km	11,811	Minefield detection - target designation
	Stemme UMS	S15B	Under way			Turbo	1,050 kg	100-170 kg	18 m	9-40	<3,500 n.m.	30,000	Payload, range and endurance vary by fuel load
		S10-VTX	Under way			Piston or turbine	850 kg		23 m	20	697-929 n.m.	30,000	Multimission motor glider
GREECE	EADS 3 Sigma	Nearchos	Under way	Under way	Deployed	Piston	110-190 kg	51-92 kg	5.1 m	12		23,000	RSTA - BDA - comm; tricycle takeoff
		Alkyon	Complete	Under way	Deployed	Piston pusher prop	80 lb	31 lb	2.06 m	1.5	120	10,000	Aerial target
		Iris Jet	Complete	Under way	Deployed	Jet B-L	350 lb	175 lb	2.81 m	1	144	40,000	Aerial target
		Iris Prop	Complete	Under way	Deployed	Piston pusher prop	225 lb	100 lb	2.9 m	2	144	15,700	Aerial target
		Perseas Single Jet	Complete	Under way	Deployed	Jet			2.21 m	1		14,700	Aerial target
		Perseas Twin Jet	Complete	Under way	Deployed	Jet (2)	198 lb	33 lb	2.21 m	1		19,600	Aerial target
HUNGARY	Bonn Hungary	BHE-03	Under way			Electric pusher prop							MAV
INDIA	DRDO	Lakshya	Complete	Under way	Deployed	Turbojet	705 kg		9.75	0.5	150 km	29,250	Aerial target/eecon
		Nishant/Gagan	Complete	Under way	Limited	R-L	381 kg	45 kg	6.57 m	4.5	160 km	13,000	RSTA
		Rustom	Under way		IOC 2012	Pusher prop	350 kg			24	1000 km	35,000	R/S
	Speck Systems	Baaz Mini/Micro	Under way			Electric H-L	15 lb (mini)			1	6 mi.		
	Hindustan Aeronautics	*PTA*	*Under way*										*Aerial target*
IRAN	*Unknown*	*Stealth*	*Under way*	*Under way*	*Deployed*						*700 km*		*R/S*
	HESA	Ababil (Swallow)	Complete	Under way	Deployed	Piston	83 kg	45 kg	0.325 m	1.5+	150 km	14,000	Multiple variants for R/S - attack - ISR
	Shahbal Group, Sharif Univ.	Shahbal	Under way			Pusher	17.5 kg	5.5 kg	2.47 m		12 km	4,500	RS
	Asr-e Talai Factories	*Mini-UAV*	*Under way*				*8.8*						*Surveillance*
	FARC	Sobakbal	Under way	Under way	Deployed	Electric	1.29 kg	0.35 kg	4.5 m	2	2.7 to 13.5 mi	19,686	Surveillance
	Qods Aeronautics Industries	*Mohajer II/III (Dorna)*											
		Mohajer IV (Hodhod)	*Complete*	*Under way*	*Deployed*								*Multirole*
		Saeqeh I/II											*aka Lightning Bolt*
		Tallash I/Endeavor											
		Tallash II Hadaf 3000											*Target drone - aka Target 3000*
ISRAEL	Aeronautics	Aerolight	Complete	Under way	Deployed	Piston	40 kg	8 kg	4 m	4	150k m LOS	10,000	RSTA - training
		Orbiter	Complete	Under way	Deployed	Electric C-L	5-7.5 kg	1.5-to-3 kg	2.2 -3 m	1.5-to-4	15-to-50 km	18,000	Close-range RSTA; variant models
		Aerosky	Complete	Under way	Deployed	Piston	75 kg	15 kg	6 m	7	200 km	16,000	RSTA
		Aerosky 2	Under way	Under way		Piston/battery hybrid	80 kg			10			Close-range/low altitude TUAV
		Aerostar	Complete	Under way	Deployed	Piston	210 kg	50 kg	7.5 m	12	200 km LOS	18,000	RSTA
		Dominator	Under way		Test/eval.	Dual turbo-diesel	899 kg	400 kg	14 m		200 km LOS	25,000	MALE RSTA
	Bluebird Aero Systems	Blueye	Complete	Complete	Deployed	Piston pop	55 kg	15 kg	4.5m	8	50 km	9,750	Surveillance and photo
		Boomerang	Complete	Complete	Deployed	Electric C-L	9 kg	2 kg	2.75 m	7.5	50 km	9,750	R/S
		Micro 2.2	Complete	Complete	Deployed	pusher prop H-L/C-L	1 kg	0.24 kg	0.95 m	1	15 km	3,250	R/S - packed in two 7-kg briefcases
	EMIT	Blue Horizon 2	Complete	Under way	Deployed	Piston	180 kg	37 kg	6.5 m	17		26,000	Surveillance - recon
		Butterfly	Under way			Piston	450 kg	230 kg		4			Powered parachute
		Sparrow N	Under way	Under way		Piston pusher prop C-L	45 kg	12 kg	2.44 m	6	120 km		ISR
		Mercury 3	Under way			Turbo	550 kg	150 kg	10 m	30	200 km	38,000	
		Dragonfly DF 16B	Under way			Piston R-L	80 kg	23 kg	3.2 m	1.5		15,000	
		Dragonfly 2000	Under way			Piston	140 kg	16 kg	5 m	14		15,000	
	IAI	Bird Eye 400	Complete			Electric pusher prop	5 kg	1.2 kg	2.2 m	1	10 km	1,000	R/S
		Bird Eye 600				Electric bungee/minilauncher	7.5 kg	1.3 kg	2.5 m	2	7.5 km	1,000	R/S day/night
		I-View MK50	Complete			Prop	65 kg	10 kg	4 m	6	50 km	15,000	Close-range TUAV - brigade-level/special ops
		I-View MK150	Complete			Piston	160 kg	20 kg	5.7 m	7	100 km	17,000	RSTA
		I-View MK250	Under way			Prop	250 kg	60 kg	7.1 m	8	150 km	20,000	Medium-range TUAV
		Harpy	Complete	Under way	Deployed	Wankel	135 kg		2.1 m		500 km		Antiradar attack - SEAD
		Heron 1	Complete			Piston	1,150 kg	250 kg	16.6 m	45	350 km	30,000	MALE/LR RSTA
		Heron TP				Turboprop	4,650 kg	1,000 kg	26 m	36	BLOS	45,000	MALE multimission
		Hunter	Complete	Under way	Deployed	Twin piston	885 kg	100 kg	10.5 m	21	250 km	20,000	RSTA/BDA - wheeled or RATO
		Mosquito	Under way			Electric prop H-L	0.5 kg		0.34 m	1	1.5 km	300	Urban MAV - R/S - hand or bungee launched
		Navy Rotary [NRUAV]					2,200 kg	220 kg	Rotor 11.02 m	6	150 km	15,000	Maritime multilayered ISR missions
		Ranger	Complete			Prop C-L	280 kg	45 kg	5.71 m	6	180 km	18,000	RSTA/BDA - extreme weather
		Searcher Mk II	Complete	Under way	Deployed	Rotary	436 kg	120 kg	8.55 m	20	300 km	23,000	RSTA all-weather
	Israel Military Industries	ITALD	Complete	Under way	Deliver 2009	Air launched					160 n.m.	30,000	Enemy radar decoy; air superiority trainer
	Elbit Systems	Hermes 450	Complete	Under way	Deployed	Piston pusher prop	450 kg	150 kg	10.5 m	20	120 LOS	18,000	R/S, BDA
		Hermes 900	Under way			Pusher prop	970 kg	300 kg	15 m				Tactical MALE
		Hermes 1500	Under way			Twin turboprop	1,500 kg	350 kg	15 m	>24	200l m LOS	30,000	ISTAR and SIGINT
		Hermes 180	Under way			Pusher prop C-L/runway	195 kg	32 kg	6 m	10	150k m LOS	15,000	ISTAR-BDA
		Mini-V	Complete			Piston bungee	55 kg		3.6 m	5	27	13,000	Recon/surveillance
		Seagull	Complete	Under way		Electric	5.5 kg		2.14 m	4	10 km	1,312	RSTA
		Skylark I	Complete	Under way	Deployed	Electric H-L	5.5 kg		2.4 m	2	10 km	15,000	R/S - all-weather MUAV
		Skylark II	Under way	Under way	Deployed						50+ km		R/S TUAV
		UK Watchkeeper (450B)	Under way		2010					24			ISTAR
	Innocon	MiniFalcon I	Under way			Pusher prop C-L	90 kg	15 kg	5 m	12		1,500	ISR
		MiniFalcon II	Under way			Pusher prop C-L	150 kg	35 kg	5.5 m	15			ISR
		MicroFalcon I	Under way			Joined-wing B-L				2			Over-the-hill ISAR
	Rafael (w/Bluebird)	SkyLite B	Complete	Complete	Deployed	Electric C-L	6-8 kg	1.3 kg	2.4 m	3.5	50 km	32,500	ISR - BDA
	TopiVision	Casper 250	Under way			Electric prop H-L	5 kg			1.5	15 km		Backpack mini-UAV - surveillance
		Top I Tactical Aerostat	Under way		Deployed	Tethered LTA						500	Security surveillance - monitoring
	Urban Aeronautics	Mule A	Under way	Under way	Limited	Turboshaft	1,100 kg	900 kg	1.8 m rotor	2h	360 km	12,000	Rescue/medivac
ITALY	Alenia Aeronautica	Sky-X	Under way			Microturbo	2,600 lb	440 lb	19.5 ft		192 km	25,000	R/S, UCAV demonstrator
	A2Tech	RV-02	Under way			Twin electric H-L/B-L	2 kg		1.4 m	1	10 km	500	Emergency first responder MAV
	Galileo Avionica (Finmeccanica)	Falco	Under way	LRIP	Limited	Turbo pusher prop	924	68	7.4 m	14	81	15,000	Surveillance
		Mirach 100/5	Under way	Under way	Deployed	Turbojet	726	132	2.3 m	1.5	180	40,500	Mach 0.85 aerial target
		Nibbio	Under way			Jet	792	154.4	2.3 m	1.5	240	39,000	RSTA - BDA - EW
	UTRI	MHELI	Under way	Under way		Electric	4.8 kg	1 kg	0.25 m rotor		15-25 km	10,500	Recon/surveillance
JAPAN	Fuji	AJ KAI (BQM-34AJ)				CAE J69-T-29	2,500 lb		4 m		1,359 km	55,000	Target drone
		FFOS				MG6	600 lb		4.5 m rotor	3			Surveillance
		J/AMQ-1				Turbojet	519 lb		2.12 m	15 min			Target drone
		RPH-2	Complete	Limited	Limited	Piston	660 lb	175 lb	16 ft rotor	1	5 mi.	2,000	Helicopter - E/O - IR - NBC
	Kawada	RoboCopter 300	Complete			Piston	1,750 lb	650 lb	26.6 rotor		1 mi.	*2,000*	Helicopter - surveillance
	Yamaha	R-50	Complete	Complete	Deployed	Piston	148 lb	44 lb	10 rotor	30 min	0.1 mi.	300	Helicopter
		R-Max Type II	Complete	Under way	Limited	Piston	94 kg	31 kg	Rotor 3 m	1	0.53	492	Agriculture - Surveillance
		R-Max Type IIG	Complete	Under way	Limited	Piston	94 kg	31 kg	3 m rotor				GPS
JORDAN	Jordan Advanced Remote Systems	Jordan Falcon	Under way			Piston pusher prop C-L	60 kg	6 kg		4	25 km	1,500	RSTA
		Jordan Arrow	Under way			Piston pusher prop C-L	60 kg	15 kg		1	33-100 km	3,000	Aerial target - longer range version carries IR sensor
		Silent Eye	Under way			Electric pusher prop		3 kg		1	8 km	900	Surveillance
LEBANON	Hezbollah (disputed)	Mirsad-1			Deployed	Piston		50 kg			3 km	6,600	RS/attack - possibly Iranian Mheger 4 import
MALAYSIA	Composite Technology Research	ALUDRA Mk1	Complete			Piston pusher prop	200 kg	25 kg	16 ft	3	50 km	12,000	Surveillance - monitoring
		ALUDRA Mk2	Complete			Piston pusher prop	250 kg	50 kg	20 ft	6	150 km	12,000	Surveillance - monitoring
		Intisar 100	Complete			Piston helo	13 kg	5 kg	5 ft rotor	1	2 km	800	Surveillance
	UPM	UPMX	Under way		Testing								Civil demonstrator
MEXICO	Hydra Technologies	E1 Gavilan	Under way			Electric				1.5	10 km		
		S4 Ehecatl	Complete			Piston	55 kg	9 kg		8	80 km		
NETHERLANDS	Dutch Space	Man-Portable Aerial Terrain Explorer	Concept			Electric prop - compressed air	13 lb		7.8 ft	1	3 mi.		MAV - close-range battlefield surveillance
NEW ZEALAND	*TGR Helicorp*	*Alpine Wasp*	*Under way*						*Rotor*			*30,000*	*Mountain SAR*
		Snark	Under way	Under way		Piston	2,500 lb	1,500 lb	28.6 ft rotor	24		13,600	Recon - medivac
NORWAY	Northern Research Institute	CryoWing											Arctic high altitude, extreme temperature
PAKISTAN	Air Weapons Complex	AWC Mk1	Complete	Under way	Deployed		66 lb			2	18 mi.		STA
		AWC Mk2	Under way	Under way	Deployed		132 lb			3	30 mi.		
		AWC Mk3	*Concept*										
		Bravo	Under way	Under way	Deployed	Piston prop	110 kg	20 kg		4	80 km		R/S - SAR
		Uqab	Under way			Pusher prop					150-350 km		Tactica and strategic versions
		Vision-1	Under way	Under way		Piston pusher prop	120 kg	25 kg	10.5 m	5	100 km	9,750	Surveillance
		Vision-2	Under way	Under way		Piston pusher prop	176 lb	33 lb	14.7 ft	4	90 km		Surveillance
	Advanced Comp. & Engrg. Solutions	Eagle Eye P1	Under way				130 kg	30 kg	5 m	3	80 km		TUAV surveillance
		Eagle Eye P2	Under way				175 kg	40 kg	5.8 m	4	150 km		R/S
	Dir. Gen. of Munitions Production	HudHud 1	Under way			Tractor propeller	77 lb	44 lb		2.5	30 km		R/S-EW
	Institute of Industrial Control Systems	HudHud 2	Under way			Pusher prop	154 lb	88 lb		3.5	48 km		
		HISAT-DK	Under way	Under way	Deployed	Piston B-L	150 lb	22 lb	10 ft	1.5	246 km		Target drone
	Integrated Dynamics	Border Eagle Mk II	Under way			Piston pusher prop	15 kg	4 kg	3.1 m	3	30 km		Civil border surveillance
		Desert Hawk	Under way			Hand launched							
		Explorer											
		Hawk Mk5	Complete		Deployed	Prop	65 kg	15 kg	4.51 m	6	120 km		Surveillance
		Hornet Mk4	Complete		Deployed	Piston prop	50 kg	12 kg	3.87 m	4	80 km		Surveillance
		Huma	Under way	Under way	Deployed	Rocker-boosted takeoff	130 kg	20 kg	4.4 m	6	100 km		TUAV - R/S
		Nishan Mk1											
		Nishan TJ 1000											
		Rover											
		Shadow Mk1	Under way			Twin pusher prop	90 kg	25 kg	5.2 m	6	160 km		Surveillance
		Tornado 2000	Under way			Mini-turbojet - C-L					120		Fighter decoy
		Vector											
		Vision Mk1/Mk2	Under way			Pusher prop	35/80 kg	10/15 kg	3.22/4.51 m	3h/4h	50 km/120 km		Surveillance
		Vulcan Mk1/Mk2	*Under way*			*Pusher prop*							*Aerial target*
		Vulcan TJ-1000	*Under way*			*Mini-turbojet*							*Aerial target*
PAKISTAN (continued)	Integrated Defense Systems	Vector Mk1	Complete	Under way	Deployed	Piston prop	215 lb	55 lb	17 ft	6	90 mi.	12,000	R/S - chemical sensor
	National Development Complex)	Vector Mk2	Under way				264 lb			5+	120 mi.		
	Pakistan Aeronautical Complex	Ababeel	Complete	Under way	Deployed	Piston prop H-L	6.2 lb		5.25 ft	0.33			Air defense gunnery target/Baaz trainer
		Baaz	Complete	Under way	Deployed	Piston prop C-L	41.9 lb		8 ft.	30 min	1.2 mi.		Air defense gunnery/missile trainer
	Satuma Research	Jasoos	Complete	Under way	Deployed	Piston pusher prop	154 lb	33 lb	11.4 ft	3.5	90 mi.		RSTA
		Mukhbar	Complete	Under way		Piston	88 lb	11 lb	11.5 ft	1.5		7,000	R/S - BDA
		Tunder	Under way	Under way		Piston C-L		33 lb	8.4 ft	1.5	30 mi.		Target drone
PORTUGAL	Portuguese Air Force	ANTEX- M (X00, X01, X02)	Under way				220 lb	55 lb	19.5 ft				
	University of Minho	AIVA	Under way			Electric pusher prop	33 lb	13.2 lb	15.6 ft				Civil fire/agriculture monitoring
RUSSIA	A Level Aerosystems	ZALA 421-08	Under way	Under way	Limited	Electric pusher prop H-L	1.8 kg	0.2 kg	0.79 m	1.5	15 km	11,811	R/S - monitoring
		ZALA 421-09				Piston prop	70 kg	10 kg	3.9 m	10.5	50 km		R/S - monitoring
		ZALA 421-12				Electric C-L	3.9 kg	1 kg	1.6 m	2		11,811	R/S - monitoring
		ZALA 421-02				Piston	95 kg	50 kg	3 m rotor	6	50 km	13,123	R/S - monitoring
		ZALA 421-04				Electric/piston	6.9/7.9 kg	1 kg	2.23 m		40 km	9,843	R/S - monitoring
		ZALA 421-06				Piston		3.5 kg	1.77 m rotor	3	40 km	6,562	R/S - monitoring
	Eniks	E85	Under way		On request	Pulse jet	140 kg		2 m		43.5 mi.	9,850	Target drone
		E95	Under way			Pulse jet	60 kg		2.4 m	0.5	116 mi.	10,000	Target drone
		R90	Under way		On request	Pulse jet	45 kg		2.6 m	0.5	36 mi.	10,000	Tactical recon
		T23 Eleron	Under way			Electric H-L	3 kg		1.4 m	1	6.5 mi.	2,000	Aerial photography - monitoring
	Irkut	Irkut-2M	Complete	Under way		Electric H-L	3 kg		1.5 m	1.5		9,900	Multimission
		Irkut-10	Complete	Under way		Electric H-L	8.5 kg		5.75 m	2.5		9,900	Multimission
		Multipurpose UAS	Under way			Pusher prop	440 lb	110 lb	19.5 ft	12	720 mi.	19,000	
	Kamov	Ka-137	Under way			Piston	280 kg	176		4		16,400	CBW sniffing - border - fisheries - ecology monitor
	Iskatel Design Bureau	*Voron*											
	Luch Design Bureau	Tipchak	Under way	Limited			60 kg		3.5 m		70-120 km		Recon
	NII Kulon	Filin	Under way			Turbojet	3,000 kg			1	310 km	19,500	Tactical recon
		Moskit	Under way				290 kg			1.5	83 km	11,500	Tactical recon
	Novik 21st Century	*Brat*	*Under way*										
		Grant	*Under way*										
	OKB Sukhoi	*BAS-62*	*Under way*			*Jet*	*16,000 lb*				*24 ft*	*63,000*	*Global Hawk-class recon/surveillance*
	Strella Production Assoc.	M-932 Dan	Under way			Turbojet	345 kg		2.7 m	40 min		29,500	Target
	Sukhoi	Zond-1	Under way			Turbofan pusher prop	26,000 lb	3,300 lb	113.75 ft	18		52,000	ATC comm relay
		Zond-2	Under way			Turbofan pusher prop	26,000 lb	3,300 lb	113.75 ft	24		52,000	Multispectral monitoring
		Zond-3M	Under way			Turbofan pusher prop	4,400 lb	1,100 lb	52 ft	12		26,000	Multispectral monitoring
	Yakovlev	Albatros	Under way			Tiltrotor	450 kg		26 ft	7	110 km	1,150	Civil ecology- counter-drug - border patrol
		Strekoza/Expert	Under way			Pusher prop C-L	40 kg			6	60 km	1,465	R/S
		Pchela-1K	Modernization	Under way	Deployed	Pusher prop T-L	136 kg		3.2 m	3.5	36 km	11,500	Day/night R/S - low-light TV camera
		Pchela-1T	Under way	Under way	Deployed	Jet	140 kg		3.3 m	2	36 km	8,200	R/S - daytime TV camera
		Pchela-e/Shmel-2	Under way			Catapult launched	220 kg			6			R/S - electronic countermeasures
SINGAPORE	Singapore Technology Aerospace	Fantail 5000	Under way			Ducted fan VTOL	6 kg	0.9	0.6 m rotor	1	10 km	3,000	RSTA - BDA - photo
		SkyBlade III	Under way			Electric prop	5 kg		2.6 m	1	8 km	1,500	RSTA/BDA
		SkyBlade IV	Under way			Pusher prop C-L	50 kg	12 kg	3.5 m	-6	100 km	15,000	RSTA/SAR
S. AFRICA	ATE	Vulture	Complete	Under way	Deployed	Piston pusher prop	100 kg	25 kg	5.2 m	3-4	125 mi.	16,400	TUAV - R/S - EW
		Super Vulture II	Under way	Under way		Piston heavy fuel	125 kg	25 kg	5.2 m	3	80-200 km	16,400	RSTA - BDA
		Sentinel 500 m	Under way			Catapult launched	150 kg		5 m		5 km		
		Sentinel 620	Under way				200 kg	35 kg	6.2 m	12			
		Sentinel 800	Under way				250 kg	35 kg	8 m	20			
		Kiwit	Under way			Electric H-L	6.5		1.8 m	1	3 km	495	Mini-UAV
		Roadrunner	Under way				6 kg	1 kg	1.5 m	1			R/S - aerial pursuit
		Vigil EE	Under way			Pusher prop	80 kg	20 kg	4 m	8			Low-cost civilian UAV
		Vigil SR	Under way			Pusher prop	40 kg	10 kg	4 m	4			Low-cost civilian UAV
	Denel (Kentron)	Bateleur	Under way			Pusher prop	1,000 kg	200 kg	14 m	24	750 km	25,000	MALE RSTA BDA SAR
		Seeker II	Complete	Under way	Deployed	Piston	241 kg	50 kg	7 m	10	260 km	18,000	RSTA - BDA
		Skua	Complete	Under way	Deployed	Microturbo	800 kg	70 kg int./ 60 kg ext.	3.57 m	1.4	917 km	40,000	Mach 0.86 target drone
	IST Dynamics	LOCATS	Under way	Under way		Piston - C-L	154 lb	39 lb	10.5 ft	1			Aerial target
S. KOREA	KAI	Night Intruder 300	Under way	Under way	Deployed	Rotary pusher prop	300 kg	45 kg	6.5 m	6	125 km	15,000	RSTA
	Smart UAV Development Center	*Korean Smart UAV*	*Under way*			*Tiltrotor*							*R/S - civilian monitoring*
	Ucon Systems	RemoEye H-120	Under way			Piston	120 kg	34 kg	9.75 rotor	3	50 km		Surveillance - agriculture
		RemoEye 002	Complete	Under way		Electric	2 kg		1.5 m	1	10 km	3,000	R/S
		RemoEye 006	Complete	Under way		Electric	6 kg		2.75 m	1.5	15.5 km	3,000	R/S
		Micro-Air Vehicle	*Under way*										
		Mini-UAV	*Under way*						*3*				
SPAIN	Aerovisión Vehículos Aéreos	FULMAR	Complete	Under way	Deployed	Pusher prop C-L	19 kg	1 kg	3.1 m	8	480 km	6,500	R/S
	INTA	ALO	Under way			Piston prop C-L	55 lb	13 lb	9.85 ft	2	30 mi.		RSTA
		SIVA	Under way			Piston R-L	440 lb	88 lb	15.8 ft	6.5	90 mi.	9,800	Aerial surveillance
		ALBA	Under way			Piston prop C-L	33 lb	6.6 lb	7.25 ft	1	2.5 mi.		Aerial target
SWEDEN	CybAero	APID 55	Under way			Piston	330 lb	121 lb	10.75 ft	3-6	30 mi.	9,900	STAR VTOL
		APID MK 5	*Under way*	*Under way*	*Deployed*								
		Vantage	Under way				380 lb			3-5		8,000	
	Saab Aerosystems	FILUR	Under way			Turbojet	121		8.1				Stealth demonstrator
		SHARC	Under way			Jet	190 kg	60 kg	6.8				UCAV technology demonstratorju
		SKELDAR V-150	Under way			Fuel injected	210	120	10.75 rotor	5	60		Surveillance - disaster observation
		TUMAV	*Under way*				*>500 kg*						*Tactical multirole*
	TechMent	Midget RPG Mk III	Complete	Under way	Deployed	Piston	198 kg	33 kg	8.5 m	4			Recon/surveillance
SWITZERLAND	RUAG Aerospace/IAI	ADS-95 Ranger	Complete	Complete	Deployed	Piston C-L	285 kg	45 kg	5.71 m	9	180 km	18,000	RSTA
	Roland Imfeld	RC-AirCam	Under way	Under way		Piston	22 kg	8 kg	2.5 m	4	4-50 km	11,483	Recon/surveillance - comm relay
TAIWAN	Chung-Shan Inst.	Kestrel II	Complete		Limited	Piston C-L	264 lb	60	16.5 ft	8	27	12,000	Recon - surveillance
		Chung Shyang II	Under way			Pusher prop	1,000 lb		25 ft	10		12,000	R/S - possible armed variant
	RMRL	Swan	Under way			Prop	26 lb	10 lb	8.8 ft	2			Surveillance - research
	Yuan Ze Univ.		*Under way*	*Limited*	*Limited*	*Piston or electric*							*Civil surveillance - coastal patrol*
	Chungkung Univ.ersity		*Under way*										
TUNISIA	TAT	Annasnas Mk1	Under way			Piston	275 lb	55 lb	12.5 ft	14	54	16,000	Recon - multirole
		Super Nasnas	Under way				600 lb	110 lb	22.5 ft	16		17,000	HALE
TURKEY	TAI	Baykus	Under way			Piston and pusher prop	550 lb	176 lb	22.75 ft	12	27 LOS	15,000	ISR
		Gozcu CR	Complete	Under way	Under way	Pusher prop C-L		8 kg		8	50 km	12,000	Close-range TUAV
		Marti	Complete			Piston prop C-L option	26.5 lb	6 lb	6.5 ft	1	9 mi.	3,000	Aerial photography
		Pelikan	Under way			Piston pusher prop	77 lb	13 lb	11.7 ft	6	9 LOS	5,000	Surveillance
		TIHA	Under way		First flight 2009	Turbo pusher prop	1,500 kg	200 kg	17 m	24	120 LOS	30,000	MALE ISTAR
		Turna/G	Complete	Under way		Piston pusher prop C-L		33 lb	87.75 ft	1.5			Firing target drone - RSTA
	Kale-Baykar	Bayraktar A	Complete	Complete	Limited	Electric (twin) prop H-L	10 lb	1 lb	5.2 ft	1	10 mi.	15,000	RSTA
		Bayraktar B	Under way	Under way	Limited	Electric pusher H-L	9 lb	1 lb	6.5 ft	1	10 mi	15,000	RSTA
		Unnamed VTOL variants	Under way				220-440 lb		7.15 ft				Civil and military
	Baykar Machine	Heli-Turk	Under way	Under way	Limited	Piston	16 lb	7 lb	6 ft	2	10 mi.	12,000	RSTA
		Bayraktar	Under way	Under way	Deployed	Electric prop H-L	5 kg	1.5 kg	1.6 m	1			Close-range R/S
UNITED KINGDOM	BAE Systems	Phoenix	Complete			Piston	65.2 kg	50 kg	5.5 m	4	70 km	26,250	RSTA
		Corax	Under way										UCAV demonstrator
		Herti 1D				Jet							
		Herti 1A	Under way	Limited		Rotax	1,100 lb	330 lb	41 ft	25	621 mi.	20,000	R/S
		MANTIS	Under way		Testing	Twin turboprop			20 m	24+			MALE ISTAR
		Taranis	Under way			Jet							UCAV demonstrator
	Cranfield Aerospace	Observer	Under way			Piston C-L	100 lb	13 lb	7.8 ft	2	15 mi.	16,250	Recon
		MinO	Under way			Catapult launched	24 lb		4.6 ft				
	CyberFlight	SOD I	Complete	Under way		Electric H-L/B-L	6.5 lb	1.25 lb	4.5 ft	1	6 mi.	16,500	R/S
		SOD III	Complete	Under way		Electric H-L	12 lb	4.5 lb	6.75 ft	2.5	15 mi.	16,500	R/S - bio/chem detection, laser targeting
		SOD IV	Complete	Under way		Electric pusher prop H-L	1.1.lb	0.55 lb	3.15 ft	1	3.4 mi.	16,500	R/S
	Flight Refueling	Falconnet	Complete		Deployed	Microturbo - C-L	585		3 m	1		10,000	Aerial target
	GFS	GFS-13	Under way			Battery	6.8 kg		Fan 1.8 m				VTOL - ISTAR aka Flying Saucer
	Meggitt Defence Systems	Banshee	Complete	Under way	Deployed	Jet	91 kg		2.5 m	1.5	6.25 opt./ 60 GPS	23,000	Air defense gunnery/ missile trainer
		Snipe Mk5	Complete		Deployed	Piston	66 kg		3 m	1.2		18,000	Aerial target
		Snipe Mk15	Complete		Deployed	Piston H-L or C-L	15 kg		2.25 m	0.5	3km	5,000	Low-speed aerial target
		Spectre 2	Complete		Deployed		159 kg		3.3 m	3-6		23,000	Surveillance - EW
		Voodoo	Complete	Under way	Deployed	Piston C-L	200 kg		3.35 m	1-2	72 km	20,000	Aerial target
	Merlin Integrated Solutions	Optica	Under way				2,900 lb	747 lb	39.3 ft	6	565 mi.		
	QinetiQ	Zepher/Mercator	Under way			Solar electric prop	70 lb	6.5 lb	58.5 ft	54		50,000	HALE security - disaster monitoring
	Skyships	C1000	Under way			Electric or piston	66 lb	15.5 lb	10 ft diam	2	1.5 mi.	400	R/S
		Cirrus 840	*Under way*										
	Thales	JUEP	Under way										Maritime ISTAR
	UAV Tactical Systems	Watchkeeper WK450	Under way	IOC 2010		Wankel	450 kg	150 kg		17			Tactical ISTAR
	UTS	MSAT-500/NG	Under way	Under way		Rotary	180 lb		8.5 ft	1.75	6.2 mi.	16,500	Aerial target
		GSAT-200	Under way			Piston C-L	30 lb		7.2 ft	0.6	3.1 mi.	16,500	Aerial target
		Mercury	Under way			Piston C-L	66 lb	24 lb	8.1 ft	3			*RSTA*
	VTOL	Aerial Police Dog	Under way			Vectored thrust	5 kg	1 kg	1 m	1-2	100 km	656	RS/BDA - Ag
	Warrior (Aero-Marine Ltd.)	GULL 24 UXV	Under way			Piston prop	40 lb	13 lb	8.8 ft		507 mi.		R/S - coastal - seaplane
		GULL 44 UXV	Under way			Piston prop	205 lb	75 lb	16.25 ft		985 mi.		R/S - coastal - seaplane
		GULL 68 UXV	Under way			Piston prop	550 lb	207 lb	25 ft		1,124 mi.		R/S - coastal - seaplane
UNITED STATES	AAI	Shadow 200	Complete	Under way	Deployed	Pusher prop C-L	170 kg	27 kg	4.25 m	5-7	67	14,000	TUAV - RSTA
		Shadow 200T	Complete	Under way	Deployed	Piston	280 lb	40 lb	14 ft	7	67	15,000	RSTA
		Shadow 400	Complete	Under way	Deployed	Rotary	465 lb	75 lb	16.8 ft	5		11,000	Shipboard operations
		Shadow 600	Complete	Limited	Deployed	Rotary	585 lb	91 lb	22.4 ft	12-14	108 mi.	17,000	RSTA
	w/Honeywell	Micro Air Vehicle	Under way			Ducted fan	18.5 lb			50 min		5,500	Hover-and-stare intel
		TR916 Eagle Eye	Under way			Tiltrotor	2900 lb		24.2 ft	6	920 mi	20,000	RSTA
		Aerosonde 4	Under way	Under way	Limited	Pusher prop - C-L	14 kg	5.3 kg	2.9 m	30	1,000 n.m.		LALE surveillance
	Accurate Automation	LoFlyte	Complete	Complete	Test	Turbojet	70 lb		5.19 ft	0.33	200	10,000	Test wave rider aerodynamic design
		X-43A-LS	Complete	Under way	Test	Jet	246 lb		7.1 ft	0.33	200	35,000	NASA HyperX scramjet demonstrator
		GLOV	Complete	Under way	Test	Piston prop	40 lb		4.67 ft	5.25	234	5,000	Reconn - comm
	Advanced Ceramics Research	Coyote	Under way			Electric pusher-prop -	6.4 kg	1.3 kg	1.47m	1	37 km	20,000	Surveillance and Monitoring
		Manta B4	Under way	Under way	Limited	Pusher prop C-L	61 lb	15 lb	8.75	6+	20 LOS	16,000	Tactical recon
		Silver Fox B4	Under way	Under way	Deployed	Piston	20 lb	5 lb	7.8 ft	10	20 n.m.	16,000	Ship security/harbor patrol
	AeroViro nment	Hawkeye	Complete	Prototype	Demonstration	Air-Launched Glider	75 lb	55 lb	7.2 ft	0.5	60	30,000	Critical resupply delivery
		Pointer (FQM-151A)	Complete	Complete	Deployed	Battery electric - H-L	9.8 lb	1 lb	2.7 m	1.5	6 mi	984	ISR Day / Night / Backpackable
		Helios	Complete	Prototype	Demonstration	Solar electric	1,670 lb	200 lb	247 ft	18	150 mi.	96,863	HALE Comm Relay & Remote Sensing
		Centurion	Complete	Prototype	Demonstration	Solar electric	1,800 lb	100 lb	206 ft	16	150 mi.	100,000	HALE Technology Demonstrator
		Global Observer 1	Under way	Development	1st Flight 2009	Liquid Hydrogen Prop		400 lb	175 ft			65,000	Joint Capability Technology Demonstration
		Global Observer 2	Under way	Development		Liquid Hydrogen Prop	9098 lb	1000 lb	259 ft	168	10,750 n.m.	70,000	
		SwitchBlade	Under way	Prototype	Demonstration	Tube-Launched	2 lb	0.5 lb	2 ft	0.5	6 mi.	15,000	ISR / BDA / Target ID Lethal
		Hornet	Complete	Prototype	Developmental	Fuel-Cell Electric - H-L	0.3 lb	N/A	1.3 ft	0.1	0.2 mi.	200	MAV Technology Demonstrator
		PUMA	Complete	Prototype	Demonstration	Battery electric - H-L	13 lb	2 lb	9.2 ft	2	9 mi.	15,000	ISR Day / Night / Backpackable
		Aqua/Terra Puma	Under way		Evaluation	Battery electric - H-L	5.5 kg	2-4 lb	2.6 m	2.5	6 n.m.	10,000	ISR Day / Night / Maritime Water Landing
		Dragon Eye/Swift	Complete	Conceptual	Deployed	Battery electric - B-L	4.5 lb	1 lb	3.8 ft	1	2.5 n.m.	10,000	RSTA
		Pathfinder Raven (RQ-11)	Complete	Full Rate	Deployed	Battery electric - H-L	4 lb	1 lb	4.3 ft	1.5	6 n.m.	14,000	ISR Day / Night / RPUAV
		Wasp	Complete	Under way	Deployed	Battery electric - H-L/B-L	0.7 lb	0.25 lb	1.3 ft	1	2 n.m.	10,000	ISR Day / Maritime Water Landing
		Skytote	Complete	Prototype	Demonstration	IC Contra-Rotating VTOL	250 lb	50 lb	8 ft	1.25	60 mi.	10,000	Tail-Sitter Technology Demonstrator
		Black Widow	Complete	Prototype	Demonstration	Battery electric - C-L	0.2 lb	0.02 lb	0.5 ft	0.5	1 mi.	800	MAV Technology Demonstrator
	American Blimp	AFFL	Under way		Prototype	Blimp		1,000 lb	Tail span 55 ft	48		20,000	Advanced Airship Flying Lab
	American Dynamics Flight Systems	BattleHog 100x	Under way			Recessed vertical fan	1,455 kg	340 kg	5.18m	8+			Developmental lifting body
	Arcturus UAV	T-15	Under way	Under way		Piston prop C-L	36 lb	10 lb	10 ft	12	14 mi		
		T-16	Under way			Piston prop C-L	80 lb	30 lb	11 ft	24		15,000	Surveillance - comm
	Atair Aerospace	LEAPP Type I	Complete		Testing	Turbo	3,600 lb	200 lb	112 ft	55+	1,650 mi.	52,000	ISR
		Insect (LEAPP Type II)	Complete		Testing	Piston	1,200 lb	385 lb	65 ft	34	1,020 mi.	17,000	ISR
		Micro LEAPP	Complete		Testing	Piston	75 lb	30 lb	14 ft	6	180 mi.	12,000	ISR/BDA
	Aurora Flight Sciences	Excalibur	Under way		Flight testing	Turbine-Electric	2,600 lb	400 lb	21 ft	3		40,000	VTOL Tactical Attack
		GoldenEye-50	Under way		Flight testing	Ducted fan VTOL	17 lb	2 lb	4.5 ft	1		5,000	RSTA
		GoldenEye-80 (OAV)	Under way		Flight testing	Heavy Fuel/Ducted Fan VTOL	140 lb	16 lb	9.6 ft	8		20,000	RSTA
		GoldenEye-100	Under way			Wankel	68 kg		3 m	1 hover; 4 flt	620 m		R/S
		Orion HALL	Under way			Liquid hydrogen	5,200 lb	440 lb	132 ft	100		65,000	Surveillance
		Mars Flyer	Under way			Rocket	400 lb	27 lb	20.5 ft	1.6	100,000 mi. (Earth)		Scientific exploration on Mars
	BAE Systems	SkyEye R4E-50	Complete	Complete	Complete	Pusher prop	780 lb	135 lb	20 ft	8	115 mi.	15,000	RSTA
		SkyEye R4E-100	Under way	Limited		Twin Pusher prop	1,250 lb	220 lb	24 ft	12	238 mi.	18,500	RSTA
		SkyLynx II	Under way				310 lb	70 lb		12	100 mi.	18,000	RSTA
	L-3 BAI Aerosystems	Evolution XTS	Complete	Under way	Deployed	Electric - H-L/B-L	8.2 lb	1.5 lb	5.4 ft	1.5			Back-packable Surveil - SAR - Che m detector
		Javelin	Complete	Limited	Limited	Piston prop	20 lb	3.2 lb	8 ft	2	1	1,000	Recon - Surveil
		Viking 100	Complete	Under way		Piston pusher prop	150 lb	20 lb	12 ft	6-8	75 km		R/S - sensor drop
		Viking 105	Complete	Under way		Piston pusher prop	150 lb	20 lb	15 ft	10-14	75 km		R/S - sensor drop
		Viking 300	Under way			Piston pusher prop	318 lb	30 lb	17.5 ft	6-8	75 km		R/S - sensor drop
		Viking 400	Under way			Pusher prop	493 lb	60 lb	20 ft	10-12	75 km		R/S - sensor drop
		XPV-1 Tern	Complete	Under way	Deployed	3W 100 cc	130 lb	25 lb	11.4 ft	2-6	40 n.m.	10,000	Force protection
	w/NAVMAR Applied Sciences	XPV-2 Mako	Complete	Under way	Deployed	3W 100 cc	130 lb	30 lb	12.8 ft	8.5	40 n.m.	10,000	Recon
	Bell	Eagle Eye	Complete	Limited		Turboshaft	2,250 lb	200 lb	24.2 ft span	6	800 mi.	20,000	Tilt rotor
		Unmanned 407X	*Under way*										
	Boeing												
	w/Honeywell	Class I UAV [FCS]	Under way		Prototype tests								RSTA
	Insitu [acquired by Boeing]	SeaScan/A20/GeoRanger	Complete	Under way	Deployed	Pusher prop	38.4 lb	1.3 lb	10 ft	15	900 mi.	23,000	ISR - communications
		Insight	Complete	Under way	Deployed	Piston	44 lb		10.2 ft	20+		19,500	ISR
		Integrator	Complete	Under way		Reciprocating Gas or HF	135 lb		16 ft	40		20,000	ISR
		ScanEagle A-15	Complete	Under way	Deployed	Catapult launch	39.6 lb	13.2 lb	10 ft	20+		16,000+	ISR
		Hydrogen HALE	Under way			Piston		2,000 lb	200	7		65,000	Follow-on to Condor
	w/Robinson & Frontier	Maverick	Complete	Under way	Deployed	Piston	1,370 lb	400 lb	Rotor 25.2 ft	7	175 n.m.	10,800	U nmanned Robinson R22
		Hummingbird A160T	Complete	Under way	Deployed	Turbine	5,600 lb	1000 lb	36 ft Rotor	20	2500 mi.	21,000	RSTA - Com m relay
	Carolina Unmanned Vehicles	Lightweight Aerostat	Under way	Under way	Testing	Tethered	123.6 lb	25 lb	18 ft (blimp diam.)	1 week	12 to 30 n.m.	997	Security Surveillance; Com m Relay
	Dara Aviation	D-1	Under way			Catapult launched	77 lb	22 lb	10.7 ft	17			Several variants; low/medium altitude R/S
	Dragonfly Pictures	DP-4X	Complete	Under way	Limited	Piston	140 lb	30 lb	Rotor =8.5	1	1 mi.	7,000	Helicopter
		DP-5X	Under way			Piston - heavy fuel	250 lb	35 lb	8 rotor	5			Helicopter - RSTA
		DP-5XT	Under way			Twin rotor		154 lb			650 mi.		
	DRS Unmanned Technologies	Sentry HP	Complete			Piston	325 lb	75 lb	12.8 ft	5+		10,000	R/S - Target
		Neptune	Complete	Under way	Deployed	Piston	130 lb	20 lb	7 ft	3	40 n.m.	8,000	Sea or land launched R/S - target
	D-Star (AurAayan Aerospace)	D'Humbug Plus	Under way			Ducted fan	300 lb	50 lb	Span = 6.5 ft	4	27 mi.	18,000	Rotor-in-Wing
	Frontline Aerospace	VSTAR	Under way			Twin Turbo	2,600 lb	<400 lb	16.5 ft	<17	425 w/max	31,000	TUCAV - MRE
	General Atomics	I-Gnat ER/Sky Warrior Alpha	Complete	Under way	Deployed	Turbo pusher prop	1,045 kg	204 kg int./136 kg ext.	17 m	40	150 n.m.	25,000	ISTAR-A - comm - SIGINT
		Predator (RQ-1A/MQ-1)	Complete	Under way	Deployed	Turbo pusher prop	1,045 kg	204 kg int./136 kg ext.	17 m	40	400 n.m.	25,000	ISTAR-A - comm - SIGINT
		Reaper (MQ-9 Predator B)	Under way	Under way	Limited	Turboprop TPE 331-10T	4,773 kg	364 kg int./1,364 ext.	20.3 m	30+	400	50,000	Hunter/killer ISTAR-A - comm - SIGINT
		Sky Warrior (MQ-1C)	Under way			Thielert 135 heavy fuel	1,455 kg	261 kg int./227 kg ext.	17.23 m	30+		29,000	Extended range/multipurpose MALE ISTAR-A - comm
	Geneva Aerospace	Dakota	Under way	Under way	Deployed	Piston	133 lb	50 lb	12.7 ft	3+	136 mi	15,000	R/S - Sensor Test
	Honeywell	RQ-16A MAV	Complete	Under way		Piston - ducted fan	15 lb	2 lb	13-in duct	40 min	6 n.m.	10,500	RSTA - BDA
		T-Hawk MAV	Under way	Under way	Deliver 2009	Piston - ductedfan	17 lb			40 min		7,000	Navy Tier-1 EOD support
		T-Hawk MAV (heavy)	Under way		IOC 2015	Piston - ducted fan	41 lb						Day/night RS
	ILC Dover	TARS	Under way	Under way	Deployed	Blimp		1200 lb	100 ft tail span	30 days		15,000	Tethered aerostat radar system
	IntelliTech Microsystems	Vector LRE	Under way	Under way		Pusher prop	75 lb	25 lb	8.4 ft	6	300 mi.	10,000	Surveillance and science
	Iron Bay	XTM	Under way	Under way		Piston pusher prop	60 lb	25 lb	16 ft	8	45	10,000	R/S
	Kaman Aviation	K-MAX Burro	Complete	Under way	Deployed	Single-engine twin rotor	12,000 lb	5,000 lb	48 ft rotor	10	175 km	29,000	Broad-area unmanned rapid resupply
	Lockheed-Martin	Desert Hawk/FPASS	Complete	Under way	Deployed	Electric	7 lb	1 lb	4.3 ft	1	6 n.m.	1,000	Force protection aerial surveillance
		Desert Hawk III	Under way					2 lb	4.5 ft	1.5			Larger vehicle; modular payload bay
		Morphing Wing	*Under way*			*Turbojet*			*29.6 ft*				*DARPA technology demonstrator*
		FALCON	*Under way*			*Hypersonic*							*Force application*
		Cormorant	Under way		IOC 2012	RATO	9,000 lb	1,000 lb	16 ft	3	500 mi.	35,000	Submarine-launched multipurpose UAV
		Polecat P-175	Under way			Turbofan (twin)	9,000 lb	1,000 lb	90 ft			60,000	High altitude ISR demonstrator
		PTDS	Under way	Under way	Limited	Aerostat		500 lb	36 ft tail span	25 days		5,000	Persistent threat detection
	w/ISL-Bosch Aerospace	REAP	Complete		Deployed	Aerostat		35 lb	17 ft tail span	10 days		300	Rapidly elevated aerostat platform
	Mission Technologies	Buster	Under way	Limited	Testing	Piston - C-L	10 lb	3 lb	4 ft	4	6 n.m.	10,000	ISR - comm relay
		Hellfox	Under way			Reciprocating	350 lb		3.4 m	8		18,000	Multimission
		Mini-Vanguard	Under way			Reciprocating	105 lb		2.2 m	4		15,000	Multimission
	MLB	BAT 3	Complete	Complete	Limited	Piston B-L	23 lb	5 lb	6 ft	5.5	180 mi	10,000	RSTA
		BAT-4	Under way			Pusher prop	100 lb	30 lb	8 ft		350 fuel; 10 LOS	10,000	Surveillance and monitoring
		V-BAT	Under way			Piston fan; tailsitter	35 lb	5 lb	5 ft		240 fuel; 10 LOS	10,000	Surveillance and monitoring
	Moller	Aerobot	Under way			Rotary - heavy fuel		350 lb	8x20 in. fan				VTOL - developing for niche customers
	Neural Robotics	*Autocopter Express E*	*Under way*			*Electric*		*5*		*0.2*			*Mini-helicopter - photo*
		Autocopter Express G	*Under way*			*Piston*		*10*		*0.75*			*Surveillance and photo*
	Northrop Grumman Ryan	BQM-74F	Under way			Turbojet	700 lb		7 ft	2	500 m.	40,000	Cruise missile target drone
		BQM-34 Firebee	Complete	Under way	Deployed	Turbojet	2,500 lb		12.9 ft	2		60,000	Aerial target
		BQM-145A	Complete			Turbojet - A-L or RATO	900 kg	135 kg	3.2 m		810 m	40,000	Recon - possible high-power microwave EW
		Chukar III	Complete		Deployed	WR24-7A - A-L or JATO			1.69 m				Target drone
		MQ-5B Hunter			Deployed	Heavy fuel	1,800 lb		34.25 ft	15		20,000	Multimission
		MQ-8B Firescout	Flight testing	LRIP	Deployed	Piston	3,150 lb	800 lb	27.5 ft rotor	8	126 mi.	20,000	Tactical VTOL
		Global Hawk RQ-4 Blk-10	Under way	LRIP	Deployed	Turbofan	26,700 lb	2,000	116.2 ft	35	13,800 mi.	65,000	Recon - surveillance
		GHMD	Complete	Complete	Demonstration	Turbofan							Global Hawk maritime demonstration
		Global Hawk Blk-20/30/40	Under way			Turbofan	32,250 lb	3,000	130.9 ft	36	13,800 mi.	60,000	Recon - surveillance
		M324											
		X-47B UCAS-D	Under way		1st Flight 2010	Jet	46,000 lb	4500 lb	62 ft	9	1600 n.m.	40,000	UCAS Carrier Demonstration
	NRL	ALICE	Under way			JP-8 prop		25 lb		2	250 n.m.	45,000	Expendable A-L integrated countermeasure
		BITE-wing	Under way			Flapping biwings	20-30 g						MUAV "insect flight" demonstrator
		CICADA	Under way			Air-dropped glider	7 oz		6-in cube/ 18 MAVs				"Seed" miniature sensors for self-configuring network
		Dakota 2	Under way			Prop							Payload testbed
		Extender	Under way			Electric A-L	31 lb	7 lb		2.3			Electronic warfare
		Finder	Under way			Pusher prop A-L				6.5			Chemical weapons "sniffer"
		Ghost	Under way			Prop							Payload testbed
		Sender	Complete	Complete	Limited	Battery	10 lb	2.5 lb	4 ft	2	100	5,000	Demonstrator
		Swallow	Under way			Electric pusher prop	60 lb	10 lb	15 ft	2	60	30,000	Bio collection
	Oregon Iron Works	Sea Scout	Under way			AR74-1470	350 lb		17 ft	5	115 mi.	20,000	Comm relay - surveillance
	Proxy Aviation Systems	SkyWatcher	Under way			Jet (heavy fuel option)	2,900 lb	650 (8 hr) 350 (15 hr)	31 ft	15		20,000	MALE ISR - BDA
		SkyRaider	Under way			Jet	4,000 llb	330-1,000 lb	32 ft	20-30		24,000	ISR - BDA - comm
	Pioneer UAV	Pioneer (RQ-2B)	Complete	Under way	Deployed	Rotary - RATO option	450 lb	100 lb	16.9 ft	6	100	12,000	RSTA - BDA - attack
	Raytheon	Cobra	Under way	Limited		Piston prop	105 lb	27 lb	10 ft	3	36 mi.	12,000	Testbed demonstrator
		MALD	Under way	Under way		Turbojet A-L	250 lb		4.5 ft				ECM - disrupt enemy integrated air defense systems
	RotoMotion	SR-20	Complete	Under way	Deployed	Electric	26.5 lb	10 lb	5.75 rotor	0.4	0.5 LOS		Mini-helicopter - surveillance
		SR-100	Complete	Under way	Deployed	Electric or piston	55 lb	18 lb	6.6 rotor	0.75 to 1.3	0.5 LOS		Mini-helicopter - surveillance
		SR-200	Complete	Under way	Deployed	Piston	110 lb	50 lb	9.8 rotor	4	5 LOS		VTOL - surveillance
	Schweizer Aircraft (Sikorsky)	Argus 300	Complete	Under way	Deployed	Piston	1,750 lb	650 lb	3.4 rotor				VTOL - R/S - comm relay
	Swift Engineering	KillerBee KB-1	Complete	Prototype		Piston/pusher	15 lb	7 lb	2 ft	15	1000 mi.	15,000	MAV ISR
		KB-2	Complete	Complete		Piston/pusher	60 lb	10 lb	6 ft	15 hr	1200 mi.	15,000	ISR
		KB-3	Complete	Complete		Piston/pusher	120 lb	20 lb	9 ft	15 hr	1200 mi.	15,000	RSTA / comm relay
		KB-4	Complete	LRIP		Piston/pusher	155 lb	30 lb	10 ft	15 hr	1200 mi.	15,000	Multimission
		KB4-ER	Proposed	Conceptual		Piston/pusher	220 lb	35-50 lb	14 ft	15 @ 50 lb	1200 mi.	15,000	Multimission
	Tactical Aerospace Group	TAG-M80	Under way	Under way		Piston	89 lb	44 lb	2.55 m rotor	3.5 hr	54 n.m.	13,124	R/S-EW
		TAG-M65	Under way				57 lb	24.25 lb	7 ft rotor	5hr	54 n.m.	13,124	RSTA-EW
	Theiss Aviation	Ferret	Complete	Limited		Electric H-L/B-L	5.5 lb	1.5 lb	3.3 ft		1.5	8,000	R/S-A
		PLANC	Complete	Limited		Electric H-L/B-L	5.8 lb		1.75 ft		1.5	8,000	R/S
		Super Ferret	Complete	Limited		Electric H-L	8 lb	4 lb	7.5 ft		1.5	24,000	R/S-A
		Tactical Information Craft	Under way			Battery			3-4 in.		1.5		MAV - R/S
		Tarzan TD-1c	Complete	Under way		Piston	255 lb	105 lb	18 ft		245	14,000	R/S[

KEY **NOTE:** *Italic* indicates reported but unverified.

A-L	Air Launched
AMW	Anti-Mine Warfare
ASW	Anti-Submarine Warfare
ATA	Air-to-Air (missile/gun attack)
ATG	Air-to-Ground (missile/gun attack)
BAMS	Broad-Area Maritime Surveilance
BDA	Battle Damage Assessment
B-L	Bungee-Launched
BWB	Blended Wing Body
Can	Canister
CICADA	Close-In Covert Autonomous Disposable Aircraft
CIRPAS	Center for Interdisciplinary Remotely Piloted Aircraft Studies
C-L	Catapult-Launched
COMM	Communications
ELINT	Electronic Intelligence
E/O	Electro/Optical
EOD	Explosive Ordnance Disposal
EW	Electronic Warfare
FCS	Future Combat System
G-L	Ground Launched
HALE	High Altitude/Long Endurance
HF	Heavy Fuel
H-L	Hand-Launched
IMINT	Images Intelligence
IR	Infrared
ISR	Intelligence/Survellance/Reconnaissance
ISTAR	Intelligence/Surveillance/Target Acquisition/Reconnaissance
ISTAR-A	Intelligence/Surveillance/Target Acquisition/Reconnaissance-Attack
JMR	Jammer
LALE	Low Altitude/Long Endurance
LOS	Loss of Signal
LR	Long Range
LRIP	Low-Rate Initial Production
LTA	Lighter Than Air
MALE	Medium Altitude/Long Endurance
MAV	Micro Air Vehicle
MM/MR	Multimission/Multirole
MR	Medium Range
M/UAV	Optionally Manned or U nmanned Aerial Vehicle
OPV	Optionally Piloted Vehicle
OTH	Over The Horizon
RATO	Rocket Assisted Take-Off
RDT&E	Research, Development, Test & Evaluation
RF	Radio Frequency
R-L	Rail-Launched
R/S	Reconnaissance/Surveillance
RSTA	Reconnaissance/Surveillance/Target Acquisition
RTA	Reconnaissance/Target Acquisition
RTA-A	Reconnaissance/Target Acquisition-Attack
S	Stealth
S&R	Search & Rescue
SIGINT	Signals Intelligence
SR	Short Range
STAR	Surveillance/Target Acquisition/Reconnaissance
TA	Target Acquisition
T-L	Transporter Launcher
TUAV	Tactical UAV
VLO	Very Low Observable