

Overview of the European UAS Community

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During the European Commission's Hearing on Light UAS, which took place in the offices of the Directorate General of Mobility Brussels, Belgium on October 19, 2009, UVS International presented the conclusions of a survey on the non-military applications of Light UAS, that it had conducted. 120 companies and organizations in 27 countries, 3 international associations, 1 international regulatory authority, and 2 multi-national working groups participated in this survey.

The following 17 UAS stakeholder groups were represented:

- Flight service provider
- Governmental entities
- Governmental UAS operator
- International association
- Multi-national working group
- Regulatory service provider
- Small & Medium-sized Enterprise
- UAS Test & Evaluation
- Flight service customer
- Governmental research
- Industry
- National association
- Regulatory authority
- Standards organization
- University

The survey participants originated from: Australia, Austria, Belgium, Brazil, Canada, Cyprus, Czech Rep., France, Germany, Greece, India, Israel, Italy, Netherlands, Norway, Pakistan, Portugal, Romania, Russian Fed., South Africa, Spain, Sweden, Switzerland, Taiwan, Turkey, UK, USA.

The entire survey is posted on www.uvs-info.com

This survey on non-military UAS applications contained an overview of the European Light UAS manufacturers that had been referenced. The following pages contain updated information on the European UAS community.

The European UAS manufacturers/developers have been referenced in two categories:

- Manufacturers/developers of Light UAS (MOTM <150 kg);
- Manufacturers/developers of UAS (MTOM >150 kg).

This categorization has been made in such a way that the UAS with a maximum take-off mass (MOTM) of less than 150 kg, which are subject to national certification rules, and the UAS with a MTOM are more than 150 kg, which are subject to certification by the European Aviation Safety Agency (EASA), are clearly identified.

Furthermore, this categorization makes it possible to make clear the rather incredible number of Light UAS currently under development, and already market ready.

UAS which are no longer in production (a few of which are still in service) have been listed separately for reference purposes. International cooperation developments have been highlighted. In these cases, the first manufacturer mentioned is the prime contractor.

When national or European consortia are indicated, every attempt has been made to list the members of the consortia.

In addition, a distinction has been made between Industry (> 250 employees & annual turnover > Euro 50 million) and the Small & Medium-sized Enterprises (< 250 employees & annual turnover < Euro 50 million) developing and/or producing UAS.

UAS Categories	Acronym	Range (km)	Flight Altitude (m)	Endurance (hours)	MTOW (kg)	Currently Flying
Tactical						
Nano	η	< 1	100	< 1	< 0,025	yes
Micro	μ (Micro)	< 10	250	1	< 5	yes
Mini	Mini	< 10	150 ^b to 300 ^a	< 2	< 30 (150 ^b)	yes
Close Range	CR	10 to 30	3.000	2 to 4	150	yes
Short Range	SR	30 to 70	3.000	3 to 6	200	yes
Medium Range	MR	70 to 200	5.000	6 to 10	1.250	yes
Medium Range Endurance	MRE	> 500	8.000	10 to 18	1.250	yes
Low Altitude Deep Penetration	LADP	> 250	50 to 9.000	0,5 to 1	350	yes
Low Altitude Long Endurance	LALE	> 500	3.000	> 24	< 30	yes
Medium Altitude Long Endurance	MALE	> 500	14.000	24 to 48	1.500	yes
Strategic						
High Altitude Long Endurance	HALE	> 2000	20.000	24 to 48	(4.500 ^c)12.000	yes
Special Purpose						
Unmanned Combat Aerial Vehicle	UCAV	approx. 1500	10.000	approx. 2	10.000	yes
Lethal	LETH	300	4.000	3 to 4	250	yes
Decoy	DEC	0 to 500	5.000	< 4	250	yes
Stratospheric	STRATO	> 2000	>20.000 & <30.000	> 48	TBD	no
Exo-stratospheric	EXO	TBD	> 30.000	TBD	TBD	no
Space	SPACE	TBD	TBD	TBD	TBD	no

TBD = To Be Defined ^a = according to national legislation ^b = in Japan ^c = Predator B

Figure 1: Quantities of UAS Produced or Being Developed by Country

Producing Countries		UNMANNED AIRCRAFT SYSTEM CATEGORIES															Total	%
		η	μ	Mini	CR	SR	MR	MRE	LADP	LALE	MALE	HALE	UCAV	STRA	EXO	?		
1	Austria		4	1		1	2										8	1,91
2	Belgium			4													4	0,95
3	Bulgaria				2												2	0,48
4	Croatia					2											2	0,48
5	Czech Rep.			3		1	2										6	1,43
6	Finland			1													1	0,24
7	France		10	41	6	2	9	2				1					71	16,95
8	Germany		16	23	1	2	6	1					1				50	11,93
9	Greece			1	2	1											4	0,95
10	Hungary			1													1	0,24
11	International		2	1	2	5	14	2			5	1	2	2			36	8,59
12	Italy		2	25	4	2	5					2	1	1			42	10,02
13	Latvia			2													2	0,48
14	Netherlands	2		7	2	1											12	2,86
15	Norway	3	1	3	4		1			1							13	3,1
16	Poland		1	5													6	1,43
17	Portugal			3	2		1										6	1,43
18	Romania			1	1	2											4	0,95
19	Serbia			3		1											4	0,95
20	Slovakia			1													1	0,24
21	Slovenia		1	3	1	1											6	1,43
22	Spain		4	24	3	2	4										37	8,83
23	Sweden			1		4											5	1,19
24	Switzerland		7	12	4	1	1	1									26	6,21
25	UK		3	35	11	1	7	5			1	1	3			3	70	16,71
	Total	5	51	201	45	29	52	11		1	6	5	7	3		3	419	100
	%	1,2	12,17	47,97	10,74	6,92	12,41	2,63		0,24	1,43	1,2	1,67	0,72		0,71	100,00	

Figure 2

Quantities of UAS Produced or Being Developed by Country

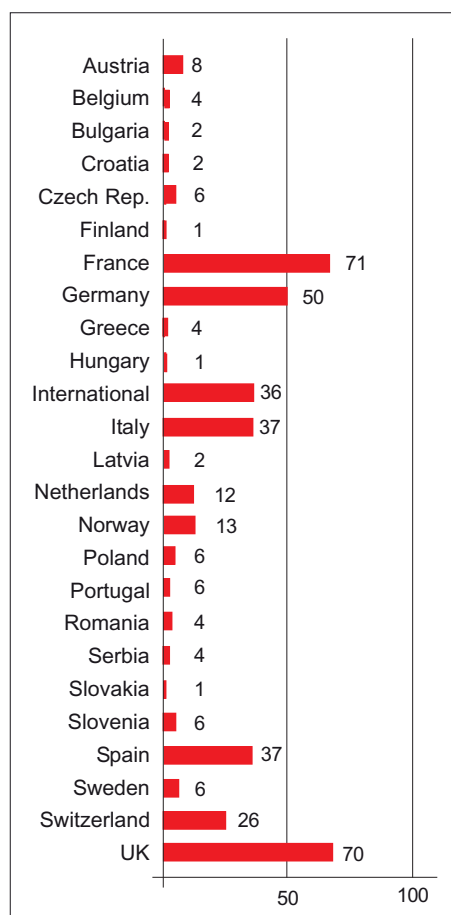
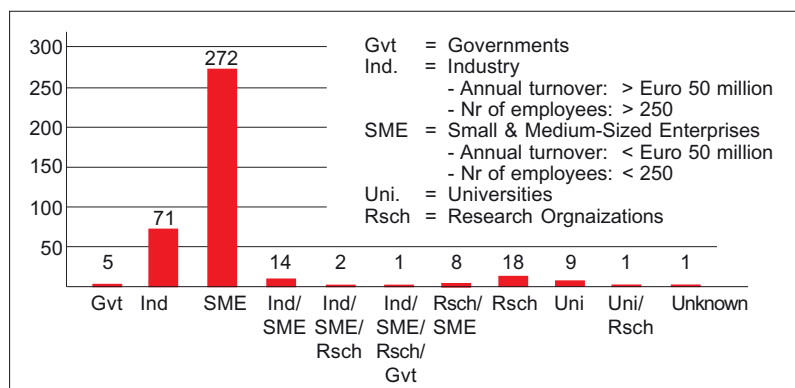


Figure 3

Breakdown of European UAS Producers/Developers



Overview of the European UAS Community

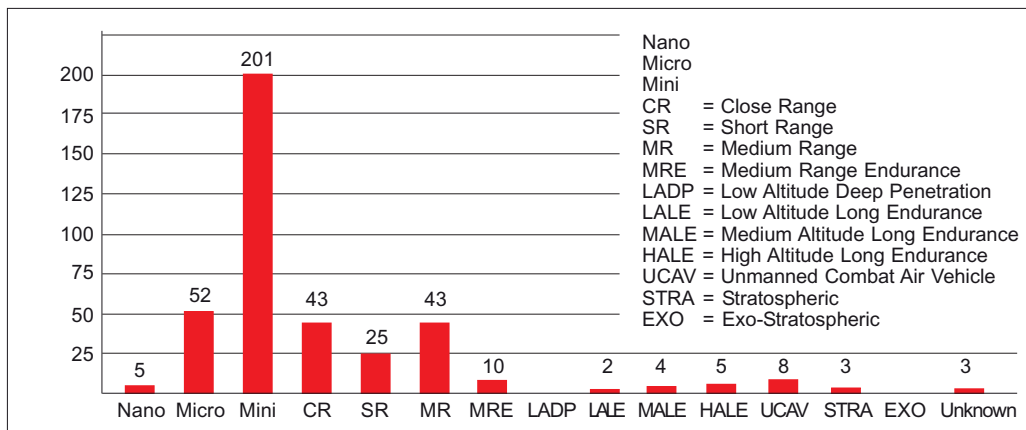


Figure 5
Quantities of UAS Referenced by Airframe Type

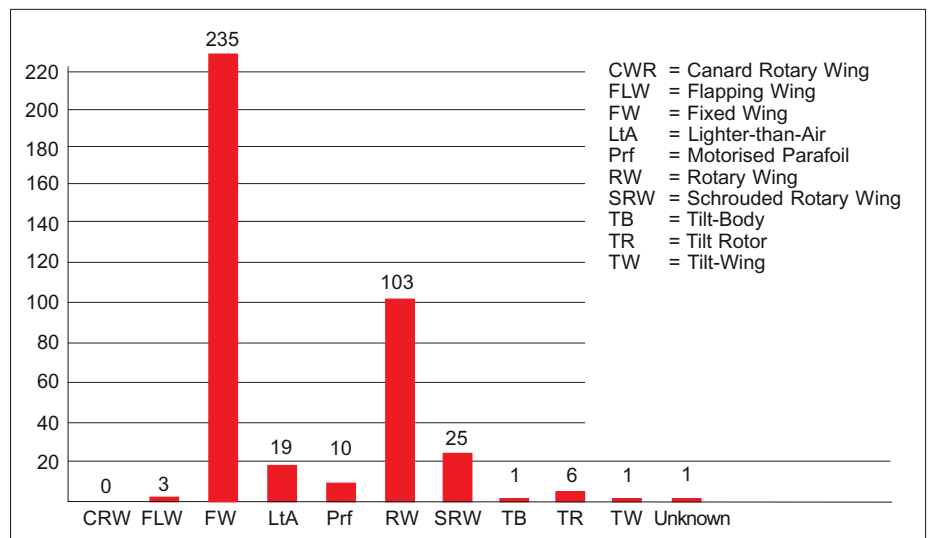


Figure 6
Quantities of UAS Referenced by Class

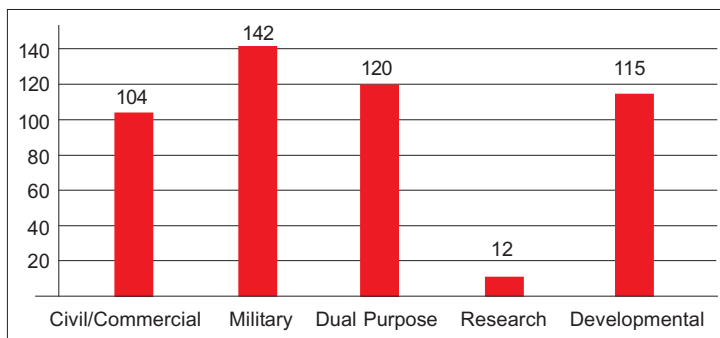
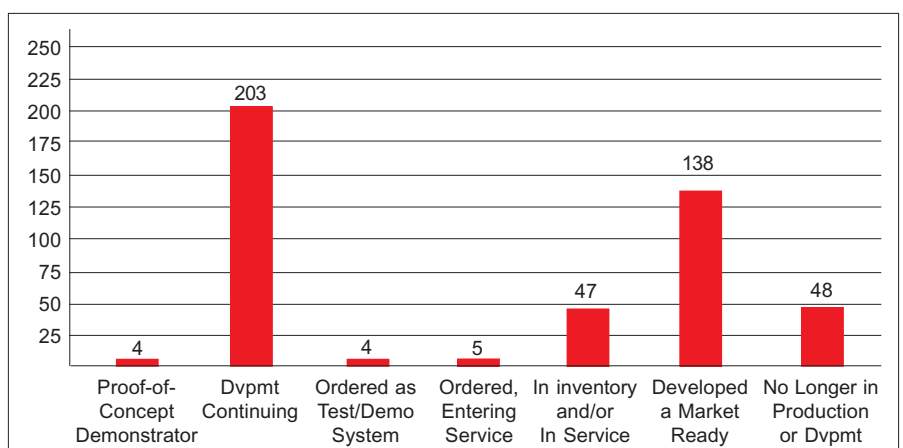


Figure 7
Quantities of UAS Referenced by Status



European UAS Producers

UAS WITH A MTOW BELOW & ABOVE 150KG

	Country	Producer(s) / Developer(s)	System Designation	Category	Remarks	Class	Air-frame	Status	Max. Speed (km/h)	Endurance (hours)	Range (km)	MTOW (kg)	Payload Capacity Max. (kg)
LUAS WITH A MTOW < 150 KG													
1	Austria	AeroSpy	Quadrocopter	01-Micro	Quadrocopter, electric	CC	RW	●		0,3		0,9	0,3
2	Austria	AeroSpy	Sensorplatform	01-Micro		M, RV	FW	●		0,75		1	0,15
3	Austria	FH Joanneum (University of Graz)	JXP-S	01-Micro		CC, DV	FW	●	54 (CS)			25	3
4	Austria	KameraDrohne	HD35	02-Mini	2 RW	CC	RW	●				40	
5	Austria	Schiebel Elektronische Geräte	Camcopter	04-SR		DP	RW	▲	90 (CS)	6	10	68	25
6	Austria	University of Salzburg	Javiator	01-Micro	Quadrocopter, electric	CC, RV	RW	●				5,6	
7	Belgium	Flying-Cam	FlyingCam	02-Mini		CC	RW	▲	120	0,25	0,35	15	
8	Belgium	Flying-Cam	FlyingCam III E Sarah	02-Mini		CC	RW	▲				25	
9	Belgium	Gatewing	K120	02-Mini		CC	FW	■	85	0,75	5	1,2	0,25
10	Belgium	JP Engineering	JP-1	02-Mini	Twin engines, electric	CC	RW	●	100	0,16	10	1,5	
11	Bulgaria	Aviotechnica	Yastreb	03-CR		M	FW	■	180	1,5	50	66	4,5
12	Bulgaria	Kintex	Niti	03-CR		DP	FW	■	150	20	10-30	60	10
13	Croatia	Defence Research Est.	BL-50	03-CR		M	FW	▲				<150	
14	Czech Rep.	Hacker	HAES 90 «Electric Ray»	02-Mini	Electric	DV	FW	●	90	1	10	<150	
15	Czech Rep.	Hacker	HAES Scanner V1.2	02-Mini		DV	FW	■	150	2	6,5	25	10
16	Czech Rep.	VTUL a PVO	Manta	04-SR		DP	FW	■	180	4+	100	62	10
17	Czech Rep.	VTUL a PVO	Optoelektron 1	02-Mini	Electric	DP	FW	■	100	30	10	5	
18	Czech Rep.	VTUL a PVO	Sojka III/TV(M)	05-MR	22 kW / 6250 rpm	M	FW	▲	207	2	100	145	25
19	Czech Rep.	VTUL a PVO	Sojka III/TV(M) - EE	05-MR	28 kW / 7500 rpm	M	FW	▲	220	3,5	200	145	25
20	Finland	Patria	MASS Mini-UAV	02-Mini	Electric	M	FW	▲	120	1,25	20	3	0,5
21	France	ABS Aerolight	Maxi	03-CR		DP, DV	Prf	▲	18-65	1		25	15-30
22	France	ABS Aerolight	Pixy	03-CR		DP	Prf	▲	60	1		5,6	
23	France	AeroDrones	Aerodrone	02-Mini		DV	RW	●				<150	
24	France	Alcore Technologies	Azimet 2001	03-CR	Lithium battery	M, DV	FW	●	120	2	50	9	2,5
25	France	Alcore Technologies	Biodrone	03-CR		M, DV	FW	●	120	2,1	50	12	3,5
26	France	Alcore Technologies	Chacal 2	05-MR		M, DV	FW	●	280	3	700	85	10
27	France	Alcore Technologies	Drone Futura	05-MR		M, DV	FW	●	360	1,2	400	70	10
28	France	Alcore Technologies	Easycropter	02-Mini		M, DV	RW	●		0,15	1	1,6	
29	France	Alcore Technologies	Epsilon 1	01-Micro		M, DV	FW	●	60	0,17	1	0,45	0,1
30	France	Alcore Technologies	Maya	02-Mini		M, DV	FW	●	108	0,5	50	2,5	0,5
31	France	Bertin Technologies	Flying Ball	02-Mini		M, DV	SRW	▲	30	0,5		1,5	0,2
32	France	Bertin Technologies	HoverEye	02-Mini		M, DV	RW	⊕		0,15	0,3	3,5	
33	France	EADS Defence & Security & SurveyCopter (now weControl, Switzerland)	Scorpio 30	04-SR		DP	RW	■	50 (CS)	2	10	38	15
34	France	EADS Defence & Security & SurveyCopter (now weControl, Switzerland)	Scorpio 6	04-SR		DP	RW	▲	35 (CS)	1	10	13	6
35	France	EADS Defence & Security & SurveyCopter (now weControl, Switzerland)	Tracker	03-CR	DRAC program	M	FW	⊕	60 (CS)	2+	10	8,2	1
36	France	EuroMC	Aero-Drone 120	02-Mini		DP, DV	SRW	●?	36 (CS)	0,3		6	
37	France	EuroMC	Aero-Drone 50	02-Mini		DP, DV	SRW	●?	36 (CS)	0,3		1,5	
38	France	EuroMC	Aero-Drone 70	02-Mini		DP, DV	SRW	●?	36 (CS)	0,3		1,85	
39	France	Flying Robots	FR A2	02-Mini		DP	FW	●	120	1,15	10	15	4
40	France	Flying Robots	FR E1	02-Mini		DP	FW	▲	60	1	10	<150	
41	France	Fly-n-Sense	360° UAV	01-Micro	Kerosene	CC	RW	●		0,5		<150	30
42	France	Fly-n-Sense	FNS 900 Seeker	01-Micro		CC	FW	●	60			2	0,5
43	France	Fly-n-Sense	Scan Copter	01-Micro	TriCopter	CC	SRW	●		0,33		2	0,5
44	France	Gates Technology	GT Aircraft	03-CR		CC	LTA	■				<150	
45	France	Infotron	IT 180-5 EL	02-Mini	Electric	DP	RW	■	90	0,5	5	17	3
46	France	Infotron	IT 180-5 TH	02-Mini		DP	RW	■	90	1,5	5+	19	5
47	France	Lehmann Aviation	LP960	01-Micro		DP	FW	▲	75	0,5	1,5-2	0,9	
48	France	Lehmann Aviation	LV580	01-Micro		DP	FW	▲	75	0,5	1,5-2	0,75	
49	France	Novadem	NX110	02-Mini	Quadrocopter, electric	DP	RW	■				<150	
50	France	Novadem	NX110m	02-Mini	Quadrocopter, electric	M	RW	■				<150	
51	France	Novadem	U130	02-Mini	Quadrocopter, electric	CC	RW	■				<150	
52	France	Onéra	Remanta	01-Micro		M, DV	FLW	▲				<1	
53	France	Philae Concept	Pixy 1	02-Mini		CC	Prf	■				<150	
54	France	Philae Concept	Pixy 2	02-Mini		CC	Prf	■				<150	
55	France	Pix-Air & AirStar	Soulcam	02-Mini		CC	LTA	■	20	3	1,5	90	30
56	France	Polyvionics	Vulcas	02-Mini		DV	FW	▲				20	5
57	France	PR Automation	PY Copter	02-Mini	Benzin model A/C (Vario, Germany)	CC	RW	■					
58	France	PY Automation	Cybird	02-Mini	Electric	CC	FW	■	70	0,45-1	3	15,4	4
59	France	PY Design	O.V.O	02-Mini		DV	LTA	▲	36	10		2	0,5
60	France	RFTronic	Coleo	02-Mini		DP	SRW	●		2		0,6 - 25	
Bold letters = Brochure posted on www.uvs-info.com CR = Close Range SR = Short Range MR = Medium Range MRE = Medium Range Endurance LADP = Low Altitude Deep Penetration LALP = Low Altitude Long Endurance MALE = Medium Altitude Long Endurance HALE = High Altitude Long Endurance UCAV = Unmanned Combat Aerial Vehicle STRA = Stratospheric EXO = Exo stratospheric AirL = Air-Launched B/C = Bacteriological & chemical sensing CC = Civil/Commercial CL = Container Launched CRW = Canard Rotary Wing CS = Cruising Speed DP = Dual Purpose - civil/military DV = Developmental Vehicle EW = Electronic Warfare Ex = Expendable FLW = Flapping Wing FW = Fixed Wing M = Military NM = Not Motorised OFF = Offensive OPA = Optionally Piloted Aircraft Prf = Parafoil RATO = Rocket Assisted Take-Off RV = Research Vehicle RW = Rotary Wing SRW = Shrouded Rotary Wing LTA = Lighter than Air TB = Tilt Body TR = Tilt Rotor TW = Tilt Wing UCAR = Unmanned Combat Aerial Rotorcraft VSTOL = Very Short Take-Off & Landing VTOL = Vertical Take-Off & Landing ▲ = Proof-of-concept/demonstrator ■ = In inventory and/or in service ⊕ = Ordered/Entering service ◆ = Ordered as test/demo system ● = Development continuing ⊕ = No longer in production/development ■ = Developed & market ready													

	Country	Producer(s) / Developer(s)	System Designation	Category	Remarks	Class	Air-frame	Status	Max. Speed (km/h)	Endurance (hours)	Range (km)	MTOW (kg)	Payload Capacity Max. (kg)
61	France	RFTronic	Coleo 224	02-Mini		DP	SRW	●				<150	
62	France	RFTronic	Coleo 380	02-Mini		DP	SRW	●				<150	
63	France	RFTronic	Coleo 700	02-Mini		DP	SRW	●				<150	
64	France	Sagem Défense Sécurité (Safran)	Merlin	02-Mini	Twin Wing	DP	FW	●?	75	1+	7+	6	0,8
65	France	Sagem Défense Sécurité (Safran) & Bertin Technology (Airframe)											
66	France	SMP Technologies (Microdrone distributor?)	Odin	02-Mini	OPA	DP	SRW	●?	100	0,6+	1	3,2	0,2
			iDrone V5	02-Mini	Quadrocopter, electric	DP	RW	■	50	1,25	8	2,2	1,45
67	France	SMP Technologies (Microdrone distributor?)	iDrone V3	02-Mini	Quadrocopter, electric	DP	RW	■	18	0,5		1,5	0,35
68	France	Technisolar-Seni	Bourdon	02-Mini	Electric	M, DV	FW	▲	100	0,58	7	4	
69	France	Technisolar-Seni	Buteo	02-Mini		M, DV	SRW	▲●				<150	
70	France	Technisolar-Seni	Coccinelle	01-Micro	Electric	M, DV	FW	▲●	80	0,5	1,5	0,4	
71	France	Technisolar-Seni	D.E.R.E.	02-Mini	Solar-powered, electric	M	FW	▲●	60 (CS)	0,5	1,5	2,5	
72	France	Technisolar-Seni	Eclaireur	02-Mini		M, DV	FW	▲●	120 (CS)	1	10	25	
73	France	Technisolar-Seni	Libellule	10-HALE	Solar-powered, electric	M, DV	FW	▲●				4	
74	France	Thales	Spy Arrow HC	01-Micro	Electric	M, DV	FW	▲	50(CS)	0,5	3	1,2	
75	France	Thales	Spy Arrow LW	01-Micro	Electric	M, DV	FW	▲	50(CS)	0,5	3	0,5	
76	France	Vision du Ciel	Cyclope 4.0	02-Mini		CC	FW	▲	25	0,25	1	2,5	1
77	France	Vision du Ciel	I.Z.I 1.0	02-Mini		CC	FW	▲	35	0,25	0,8	1,7	0,4
78	France	Vision du Ciel	Pixy 26-40	02-Mini		CC	Prf	▲	15	1	1	<150	6
79	France	Vision du Ciel	Pixy 29-40	02-Mini		CC	Prf	▲	35	1	1	<150	6
80	France	Workfly	Eyesfly	02-Mini		DP	SRW	●				<150	
81	France	Sirehna (DCNS) & KYU Microdrones & PY Automation											
			Cybird	02-Mini	Twin engines, electric	CC	FW	■	70	1	3	1,5	0,5
82	France	Sirehna (DCNS) & KYU Microdrones & PY Automation											
83	Germany	AirRobot	Elytre (Elsa) AR100	02-Mini	Electric	CC	FW	◆	70	1	3	1,5	0,5
84	Germany	AirRobot	AR70	01-Micro	Quadrocopter, electric	DP, DV	RW	▲		0,3	0,5	<1	0,2
85	Germany	AirRobot	Mikado	01-Micro	Quadrocopter, electric	DP, DV	RW	▲●		0,3+	0,5	1	
86	Germany	Ascending Technologies	Autopilot V2	01-Micro	Quadrocopter with GPS, electric	CC	RW	■	50	0,33		<150	0,2
87	Germany	Ascending Technologies	Falcon 8	01-Micro	Octocopter, electric	CC	RW	■	50	0,33		1,8	0,5
88	Germany	Ascending Technologies	Hornet	01-Micro	Octocopter, electric	CC	RW	■	50	0,75		<150	0,5
89	Germany	Ascending Technologies	Pelican	01-Micro	Quadrocopter with GPS, electric	CC	RW	■	50	0,33		<150	0,5
90	Germany	Ascending Technologies	Research Pilot	01-Micro	Quadrocopter, electric	CC	RW	■	50	0,33		<150	0,2
91	Germany	Borjet	CoRex	01-Micro		CC	FW	●		0,6		5	2,5
92	Germany	Borjet	FlyEye	01-Micro		CC	FW	●				3	0,5
93	Germany	Diehl BGT Defence	SensoCopter (Microdrones, Germany)	01-Micro	Quadrocopter, electric	DP, DV	RW	▲●		0,3	3	0,9	0,15
94	Germany	EADS Deutschland	Midas	01-Micro		DV	FW	▲●	40	0,5		0,2	
95	Germany	EADS Deutschland	QuattroCopter	01-Micro		M, DV	RW	▲●	40	0,5		0,5	
96	Germany	EMT	Aladin	02-Mini		M	FW	▲	90	0,5+	5	3,2	
97	Germany	EMT	FanCopter	01-Micro		M	SRW	▲	50	0,3+	0,5+	1,3	
98	Germany	EMT	Luna	04-SR		M	FW	▲	70 (CS)	3+	65	40	3
99	Germany	EMT	Mikado	02-Mini		M, DV	FW	●		0,25+	0,5	0,5	
100	Germany	EMT	Museco	03-CR	(NEO S-300, Swiss UAV)								
101	Germany	EMT	X13	05-MR	Heavy Fuel	M	RW	●		2	100	75	
102	Germany	Go!Cart Consortium: - Rheinmetall - CeBeNetwork - DFS - Haindl - Offis - DFKI - University of Bremen				M, DV	FW	●	180	6	200	130	
103	Germany	Go!Cart Consortium	Guard	01-Micro		CC	FW	●	93	0,3	1	5	
104	Germany	Go!Cart Consortium	Mariner	02-Mini		CC	FW	●	93	1		25	2,5
105	Germany	Go!Cart Consortium	Profilor	02-Mini		CC	FW	●	93	2		15	
106	Germany	Institute for Termographie	Scout	06-MRE	SatCom optional	CC	FW	●	157	6-10		50	
107	Germany	Institute for Termographie	Flying Roboter	02-Mini		CC	RW	●				<150	
108	Germany	Mavionics	Verlocopter	02-Mini		CC	RW	●				<150	
109	Germany	Mavionics	Carolo C40	02-Mini	Electric	M, DV	FW	■	36	0,25	0,5	0,45	0,03
110	Germany	Mavionics	Carolo P200	02-Mini	Electric	M, DV	FW	■	55 (CS)	1		4	
111	Germany	Mavionics	Carolo P330	02-Mini	Electric	M, DV	FW	■	108	1		5	0,4
112	Germany	Mavionics	Carolo P50	02-Mini	Electric	M, DV	FW	■	90	0,33		0,53	0,05
113	Germany	Mavionics	Carolo P70	02-Mini	Electric	DP	FW	■	80	0,33		0,55	0,1
114	Germany	Mavionics	Carolo T140	02-Mini	Electric	DP	FW	■	70	0,75		1,85	0,3
115	Germany	Mavionics	Carolo T200	02-Mini	Electric	DP	FW	■	90	0,75		4,5	1
		Microdrones & Karlsruhe Inst. of Technology	Md4-200	02-Mini	Quadrocopter, electric	DP	RW	●		0,33+	0,5	0,9	0,2
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	Country	Producer(s) / Developer(s)	System Designation	Category	Remarks	Class	Air-frame	Status	Max. Speed (km/h)	Endurance (hours)	Range (km)	MTOW (kg)	Payload Capacity Max. (kg)
116	Germany	(see also Diehl) Microdrones & Karlsruhe Inst. of Technology	Md4-1000	02-Mini	Quadrocopter, electric	DP	RW	●				4,8	1,2
117	Germany	Mikado	Logo 600	02-Mini	Model aircraft	CC	RW	■				<150	
118	Germany	Rheinmetall Defense Electronics	Kolibri (Hummingbird)	02-Mini		M	RW	●				1,6	
119	Germany	Rotrob	Rotrob	02-Mini		CC	RW	▲		2	125	<150	18
120	Germany	Scalecopter	CamClone	02-Mini		DP	RW	●	160	1,1	20	41,6	10
121	Germany	SIM Security & Electronic Systems (Microdrones distributor?)	SkyEye	02-Mini	Quadrocopter, electric	DP	RW	■		0,33	0,5	0,9	0,2
122	Germany	SIM Security & Electronic Systems (Microdrones distributor?)	SkyEye XT	02-Mini	Quadrocopter, electric	DP	RW	■		1,5		3,9	1,2
123	Germany	TFH Wildau	Bully	01-Micro		CC	FW	●	160	0,5		17	7
124	Germany	UAV Services & Systems	MX-Sight	02-Mini	Electric	DP	FW	▲	130	0,5	35	6,9	2,2
125	Germany	UAV Services & Systems	X-Sight	02-Mini		DP	FW	▲	180	3	15	16	7
126	Greece	Arpedon	IR 001	02-Mini		CC	FW	●				<150	
127	Greece	BSK Defence	Phaeton	03-CR	Jet powerd	M	FW	●	160			<150	
128	Greece	BSK Defence	Ideon	03-CR		M	FW	●	120		25	<150	
129	Hungary	HI Aero	Gabbiano	02-Mini	Electric	DP	FW	▲		2	15	4,5	
130	International	AF UAV Research & Tech Centre, UAE & CybAero, Sweden	APID 55 - UAE MAVDEM Project	04-SR		M	RW	●				<150	
131	International	European Consortium		01-Micro		M, DV	RW	▲				<150	
132	International	INDRA, Spain & CybAero, Sweden	Albhatros	04-SR	Heavy optional	DP	RW	●	120	5-6	100	150	50 Fuel Incl.
133	International	Onéra, France & Royal Military Academy, Belgium	Mirador	01-Micro		M, DV	FW	●				<1	
134	International	Saab, Sweden & Swiss UAS, Switzerland	Neo S300	03-CR		DP	RW	■		2,5	60	75	20
135	International	SmartFish, Switzerland & DLR, Germany	HyFish	02-Mini	Electric, fuel cell	RV	FW	●	200			<150	
136	International	Teledyne Brown, USA & Rheinmetall DE, Germany	Thunder	04-SR	Based on Tares	M, OFF	FW	●				<150	
137	International	VITO, Belgium & Verhaert, Belgium & Alcatel, Belgium & QinetiQ, UK	Pegasus	12-STR	Solar-powered, electric	CC	FW	●				27	
138	Italy	A2Tech	RV-02	02-Mini	Electric	CC	FW	●	0,3-0,6	2-10	2	<150	
139	Italy	A2Tech	RV-160TD	02-Mini		CC	FW	●			10	<150	10
140	Italy	Advanced Aviation Technology	RV-02	02-Mini		CC	FW	■	50		10	<150	0,3
141	Italy	Advanced Aviation Technology	RV-03	03-CR		LtA	FW	■	150		20	<150	5
142	Italy	Advanced Aviation Technology	RV-04	03-CR		DP	LtA	●	70		2	<150	5-13
143	Italy	Advanced Aviation Technology	RV-05	03-CR	(Yamaha R-Max)	DP	RW	■	150		10	<150	10-30
144	Italy	Aermatica	Anteos	01-Micro	Quadrocopter, electric	CC	RW	■				<150	
145	Italy	Aero Sekur	unnamed	02-Mini	inflatable wing	DP	FW	●				3	1,5
146	Italy	Alpi Aviation	Strix-A	02-Mini		M	FW	■		2,25	12,5	6	1,5
147	Italy	Alpi Aviation	Strix-B	02-Mini		M	FW	■				<150	
148	Italy	International Aviation Supply	Corvo	04-SR		M	FW	●		4-8		<150	2,3-6,8
149	Italy	International Aviation Supply	Gabbiano	03-CR		M	FW	●		1		4,5	0,5
150	Italy	International Aviation Supply	Pico	02-Mini		FW	FW	●	50	1,5	30	5	
151	Italy	International Aviation Supply	Pitagora	02-Mini		DV	FW	●	130	5	150	25	2
152	Italy	MAVTECH	MH2000	02-Mini	Uni. Spin-off	CC	FW	●	75	1	0,75	11	1
153	Italy	MAVTECH	MH600-AP	01-Micro	Uni. Spin-off	CC	FW	●	75	1	1,5	<150	0,1
154	Italy	Nautilus	NRC-Class D	02-Mini		CC	LtA	●		0,25		9	
155	Italy	Nautilus	NRC-Class E	02-Mini		CC	LtA	●		0,25		7	
156	Italy	Nimbus	Beta	02-Mini	Inflatable wing	CC	LtA	●				<150	
157	Italy	Nimbus	C-Fly	02-Mini	Inflatable wing	CC	LtA	●				<150	
158	Italy	Nimbus	EosXi	02-Mini	Inflatable wing	CC	LtA	●	50	2		40	4
159	Italy	Nimbus	NBS 20	02-Mini	Inflatable wing	CC	LtA	■	50	2,5		20	4
160	Italy	Nimbus	NBS 35	02-Mini	Inflatable wing	CC	LtA	■	50	6		35	6
161	Italy	Selex Galileo & U.T.R.I	Asio	02-Mini	Electric	M	SRW	■	46	0,8	10	4	0,5
162	Italy	Selex Galileo & U.T.R.I	Otus	02-Mini		M	FW	■	82	1	10	2,3	1
163	Italy	Selex Galileo & U.T.R.I	Strix	02-Mini		M	FW	■	82	1,5	12,5	20	1
164	Italy	Siralab	SR-H3	02-Mini		CC	FW	▲	36 (CS)	0,5		<150	1
165	Italy	U.T.R.I	Asio	02-Mini		M	SRW	▲		0,3	12	6,5	
166	Italy	U.T.R.I	Crex-B	02-Mini	Electric	M	FW	■				0,6	
167	Italy	U.T.R.I	Profalk	02-Mini		M	TR	■		4		18	3
168	Italy	U.T.R.I	Spyball	02-Mini	Electric	M	SRW	●			2	5	
169	Italy	U.T.R.I	TSO-401	02-Mini		DV	SRW	●	65	1	14	4,2	0,9
170	Latvia	UAV Factory	Penguin	02-Mini		DP	FW	●		10		20	6
171	Latvia	UAV Factory	Varna	02-Mini	Electric	DP	FW	●		1,25		1,5	0,2
172	Netherlands	Aerwin Technologies	unnamed	05-CR		DP	LtA	●				<150	
173	Netherlands	ASTI & TNO	DelFly I	00-Nano	Electric	DV	FLW	●				<150	
174	Netherlands	ASTI & TNO	DelFly II	00-Nano	Electric	DV	FLW	●		0,13 +		0,016	0,0025
175	Netherlands	Delft Dynamics	Robot Helicopter	02-Mini		CC	RW	■				15	2
176	Netherlands	Geocooper (former E-Producties)	GC-201	03-CR		DP	RW	■	70 (CS)	12		100	30
177	Netherlands	HighEye	HE 26 CA	02-Mini		CC	RW	■	145	2	100	8	8
178	Netherlands	HighEye	HE 60 CA	02-Mini		CC	RW	■	110	1	100	11	12
179	Netherlands	HighEye	HE 80	02-Mini		CC	RW	■	110	8	100	15	20
180	Netherlands	HighEye	HEF 30 CA	02-Mini		CC	RW	■	145	2	100	7	8
181	Netherlands	HighEye	HEF 60	02-Mini		CC	RW	■	145	4	100	11	12
182	Netherlands	HighEye	HEF 80	02-Mini		CC	RW	■	145		100	15	25
183	Netherlands	UAV-Europe	MH 23	04-SR		DP	RW	●?	100	2,5	30	40	15
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	Country	Producer(s) / Developer(s)	System Designation	Category	Remarks	Class	Air-frame	Status	Max. Speed (km/h)	Endurance (hours)	Range (km)	MTOW (kg)	Payload Capacity Max. (kg)
184	Norway	ET-Air	Cruiser	03-CR	Electric	DV	FW	●▲	100(CS)	0,55	10	20	0,002
185	Norway	NORUT	CryoWing	08-LALE		CC	FW	●▲					
186	Norway	Odin Aero	Cruiser	02-Mini		RV	FW	■					
187	Norway	Odin Aero	Prion 3-001	03-CR		RV	FW	■					
188	Norway	Odin Aero	Prion 3-004	03-CR		RV	FW	■					
189	Norway	Odin Aero	Recce D6	02-Mini		DP	FW	●▲					
190	Norway	Prox Dynamics	Hornet-1 to Hornet-4	00-Nano		DV	RW	●▲					
191	Norway	Prox Dynamics	PD-100 Black Hornet	00-Nano		M	RW	●					
192	Norway	Prox Dynamics	PD-100C	00-Nano		CC	RW	●					
193	Norway	Proxflyer	BladeRunner	01-Micro		CC	RW	▲					
194	Norway	Robot Aviation	Aerobot	03-CR		CC	FW	●					
195	Norway	SIMICon	SRC	05-MR		M, DV	FW	◆●▲					
196	Norway	University of Bergen	SUMO	02-Mini		CC	FW	■					
197	Poland	Air Force Institute of Technology	HOB-bit	02-Mini		DP, DV	FW	●▲					
198	Poland	Air Force Institute of Technology	unnamed	02-Mini		DP, DV	FW	●▲					
199	Poland	ITWL	HOB-bit	02-Mini		DP	FW	■					
200	Poland	Research & Development Centre for Mechanical Appliances	Bee	01-Micro		M, DV	FW	●					
201	Poland	Research & Development Centre for Mechanical Appliances	Cambat	02-Mini	Electric	M, DV	FW	●	10	0,4	1,7	5	12
202	Poland	WB Electronics	Sofar	02-Mini		M	FW	■					
203	Portugal	CINAVE	Berrio	02-Mini		DP	RW	■					
204	Portugal	CINAVE	San Gabriel	03-CR		DP	RW	■					
205	Portugal	CINAVE	San Rafael	03-CR		DP	RW	■					
206	Portugal	Minho University	AIVA	02-Mini		DV	FW	●▲					
207	Portugal	School of Engineering University of Porto	ASASF	02-Mini		RV	FW	●▲					
208	Romania	Faculty of Engineering	Octogon	04-SR		DV	RW	●▲?					
209	Romania	Centrul de Invetica Electromecanica Ploiesti & Politehnica Bucharest & INCAS & Romarm	Vigilent	02-Mini		DV	FW	●▲					
210	Romania	Inav Aviation Institute	Argus S	03-CR	Student project	M, DV	FW	●	120(CS)	0,75	10	16	4
211	Romania	Inav Aviation Institute	Argus XL	04-SR		M, DV	FW	●					
212	Serbia	EMA-UAV	Nikola Tesla 150	02-Mini		RV	FW	●▲					
213	Serbia	Utva Aircraft Industry	Gavran I	02-Mini		M	FW	●▲					
214	Serbia	Utva Aircraft Industry	Gavran II	02-Mini		M	FW	●▲					
215	Serbia	Utva Aircraft Industry	IBL-2004	04-SR		M	FW	●▲					
216	Slovakia	Advanced Unmanned Systems Internat.	AirSniper	02-Mini		DP	TR	●					
217	Slovenia	Aviotech	RVM04	04-SR		M, DV	FW	●					
218	Slovenia	C-Astral	Bramor	02-Micro		DP	FW	■					
219	Slovenia	C-Astral	Spectral System	03-CR		DP	FW	■					
220	Slovenia	University of Ljubljana	Karantania	02-Mini		M	FW	●▲					
221	Slovenia	University of Ljubljana	Maister	02-Mini		M	FW	●					
222	Slovenia	University of Ljubljana	Vision - UPP	02-Mini		M	FW	●					
223	Spain	Aerovision	Fulmar Land	03-CR		DP	FW	■					
224	Spain	Aerovision	Fulmar Sea 2.0	03-CR		DP	FW	■					
225	Spain	Ain	UAR10	02-Mini		CC	RW	■					
226	Spain	Ain	UAR35	02-Mini	Electric	CC	RW	■	1,5	75	18	1,5	0,4
227	Spain	Ain	UAR5	02-Mini		CC	RW	■					
228	Spain	Airview	AV-01	02-Mini		CC	FW	■					
229	Spain	Airview	AV-02	02-Mini		CC	FW	■					
230	Spain	Airview	AV-03	02-Mini		CC	FW	■					
231	Spain	Alpha Unmanned Systems	Atlantic	02-Mini		DP	FW	■					
232	Spain	Alpha Unmanned Systems	Atlas	02-Mini		DP	FW	■					
233	Spain	Alpha Unmanned Systems	Commando	02-Mini		DP	RW	■					
234	Spain	Alpha Unmanned Systems	Sniper	02-Mini		DP	RW	■					
235	Spain	CATUAV	Argos	02-Mini		CC	FW	■					
236	Spain	CATUAV	Atmos-4	02-Micro	Electric	CC	FW	■	1,25	4	0,96	20	20
237	Spain	CATUAV	Furoseng	02-Mini		CC	FW	■					
238	Spain	Elimco	Scan	02-Mini		DP	FW	■					
239	Spain	Elimco	Viewer	02-Mini		DP	FW	■					
240	Spain	Elimco	X-Vision	02-Mini		DP	FW	■					
241	Spain	Fiberflight	Victor Mk I	01-Micro		CC	FW	■					
242	Spain	Fiberflight	Victor Mk II	01-Micro		CC	FW	■					
243	Spain	Fiberflight	Victor Mk III	01-Micro		CC	FW	■					
244	Spain	Grupo Tekplus	Tekplus 1	02-Mini		CC	FW	■					
245	Spain	Innovaciones y Desarrollos Aeronauticos	HEL-UAV	02-Mini	Laser-powered Electric	DP	RW	■	100	1-3	45	15,5	5,5
246	Spain	INTA	ALO	04-SR		M	FW	▲					
247	Spain	Oberon Space	SAVL	02-Mini		RV	FW	●					
248	Spain	Proytec	ATMOS-2	02-Mini		DP	FW	■					
249	Spain	Robotnik Automation	X4	02-Mini		DP	RW	●					
250	Spain	Sistemas de Control Remoto (SCR)	Alba 01	02-Mini		M, DV	FW	●					
251	Spain	Sistemas de Control Remoto (SCR)	X-Vision	02-Mini		M, DV	FW	●					
252	Spain	UAV Navigation	KUAV (Commando)	03-CR		DP	FW	■					
253	Spain	Unmanned Aircraft Technologies	K-2A	02-Mini		CC	FW	■					
254	Spain	Unmanned Aircraft Technologies	K-2B	02-Mini		CC	FW	■					
255	Sweden	CybAero	APID 60	04-SR	Heavy optional	DP	RW	●	120	5-6	100	150	50

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MALE = Medium Altitude Long Endurance

HALE = High Altitude Long Endurance

UCAV = Unmanned Combat Aerial Vehicle

STRA = Stratospheric

EXO = Exo stratospheric

AirL = Air-Launched

B/C = Bacteriological & chemical sensing

CC = Civil/Commercial

CL = Container Launched

CRW = Canard Rotary Wing

CS = Cruising Speed

DP = Dual Purpose - civil/military

DV = Developmental Vehicle

EW = Electronic Warfare

Ex = Expendable

FLW = Flapping Wing

FW = Fixed Wing

M = Military

NM = Not Motorised

OFF = Offensive

OPA = Optionally Piloted Aircraft

Prf = Parafoil

RATO = Rocket Assisted Take-Off

RV = Research Vehicle

RW = Rotary Wing

SRW = Shrouded Rotary Wing

LtA = Lighter than Air

TB = Tilt Body

TR = Tilt Rotor

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UCAR = Unmanned Combat Aerial Rotorcraft

VSTOL = Very Short Take-Off & Landing

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256	Sweden	Saab	Sharx	11-UCAV	Technology demonstrator	M, DV	FW	▲●	M0,8			60	
257	Sweden	Saab	Skeldar V-150 prototype	04-SR		M	FW	▲●	100(CS)	5	100	150	
258	Sweden	SmartPlanes	Smart-1	02-Mini	Electric	DP	FW	■	55 (CS)	1		1	
259	Switzerland	Aeromedica	Aerocopter 1	02-Mini		CC	FW	■		0,16		2	
260	Switzerland	Aeromedica	Aerocopter 2	02-Mini		CC	FW	■		0,25		12	
261	Switzerland	Aeromedica	AeroStar 1	02-Mini	Electric	CC	FW	■		0,5		1	
262	Switzerland	Aeromedica	AeroStar 2	02-Mini	Twin engines, electric	CC	FW	■		0,5		2	
263	Switzerland	Aeroscout	B2-120	02-Mini		CC	RW	●				<150	20
264	Switzerland	Aeroscout	T5	02-Mini		CC	RW	●				25	10
265	Switzerland	Minizepp	Z10000Pro	02-Mini		CC	LTA	■	75	2-4		<150	4
266	Switzerland	Minizepp	Z13000	02-Mini		CC	LTA	■	60	3-4		<150	13,5
267	Switzerland	SenseFly	Swinglet	01-Micro		CC, RV	FW	●	55	0,5	10	0,5	0,15
268	Switzerland	Skive Aviation	Skive	02-Mini	Helium	CC	LTA	■	50	3-4		<150	8
269	Switzerland	Skybotix Technologies	Coax 1	01-Micro		DP	RW	■		0,42	1	0,22	
270	Switzerland	Skybotix Technologies	Coax 2	01-Micro		DP	RW	■				<150	
271	Switzerland	Skybotix Technologies	OS4	01-Micro	Quadrocopter, electric	CC	RW	▲				2	
272	Switzerland	Skybotix Technologies	Planemini	01-Micro		CC	FW	▲				<150	
273	Switzerland	Skybotix Technologies	Skybox	01-Micro		CC	RW	●				<150	
274	Switzerland	Federal Institute of Technology	Sky-Sailor	01-Micro	Solar powered	CC, RV	FW	■				2,3	
275	Switzerland	Swiss UAV	KOAX X-240	03-CR		DP	RW	■	80	1,5		<150	8
276	Switzerland	Swiss UAV	NEO S-300	03-CR		DP	RW	■		2,5	60	75	20
277	Switzerland	SwissCopter	NT 150	04-SR		DP	FW	■	200	5	100	95	40
278	Switzerland	weControl (formerly SurveyCopter, France)	Card Ch	02-Mini	Electric	DP	FW	■	72	1,5	10	10	1,1
279	Switzerland	weControl (formerly SurveyCopter, France)	Copter 1b	02-Mini		DP	RW	▲	70	0,75-1	10-25	15	5
280	Switzerland	weControl (formerly SurveyCopter, France)	Copter 4	03-CR	Twin engines	DP	RW	■	70	1,5	10-25	30	10
281	Switzerland	weControl (formerly SurveyCopter, France)	Copter City	03-CR	Electric	DP	RW	■	36	0,66	10	12	2
282	Switzerland	weControl (formerly SurveyCopter, France)	DVF-2000	02-Mini	Electric	DP	FW	■	97	1,5	10-25	10	1,1
283	UK	Aero Sekur	unnamed	02-Mini		M, DV	FW	▲				<150	
284	UK	Aesir	Embler	02-Mini	VTOL, Coanda effect	DP	SRW	▲●				<150	
285	UK	Aesir	Hoder	02-Mini	VTOL, Coanda effect	DP	SRW	▲●				<150	
286	UK	Aesir	Odin	02-Mini	VTOL, Coanda effect	DP	SRW	▲●				<150	
287	UK	Aesir	Vidar	02-Mini	VTOL, Coanda effect	DP	SRW	▲●				<150	
288	UK	Autonomous Vehicles International	Seeker	02-Mini	Electric	M	TR	▲●		0,25	10	16	4,5
289	UK	BAE Systems	Havir	?		M, DV		●				<150	
290	UK	BAE Systems	Kestrel	04-SR	Twin jets	M, DV	FW	▲●				<150	
291	UK	BAE Systems	Raven	11-UCAV		M, DV	FW	▲●				<150	
292	UK	BAE Systems	Reliant Mauser	?	Modular	M, DV	FW	●				<150	
293	UK	Cyberflight	Bushmaster	01-Micro		M	FW	■		1,5	9	2	
294	UK	Cyberflight	Cybereye	03-CR		M, DV	FW	●	120	3	40	10	2
295	UK	Cyberflight	CyberOne	02-Mini		M, DV	FW	●	160	2		12,2	6,8
296	UK	Cyberflight	e-Swift-Eye	02-Mini		M	FW	■	95	1	22	2,2	0,3
297	UK	Cyberflight	Fat Boy	03-CR		M, DV	FW	●		5-6		70	
298	UK	Cyberflight	S.O.D.I	02-Mini		M, DV	FW	●	128	1	10	3	0,5
299	UK	Cyberflight	S.O.D.III	02-Mini		M, DV	FW	●	110	2,5	25	5,4	2
300	UK	Cyberflight	S.O.D.IV	02-Mini		M, DV	FW	●	110	0,25	9	0,5	0,25
301	UK	Cyberflight	Swift-Eye	02-Mini		M	FW	■	140	0,6	3,2	6,4	
302	UK	Dragonfly Air Systems	Highland Dartar	02-Mini		DV	TW	●	166			<150	
303	UK	Dragonfly Air Systems	Skimmer	02-Mini		DV	TR	●		1-2		20	
304	UK	Fanwing	Fanwing	03-CR	Fanwing	DP, DV	FW	▲●	72	10		40	15
305	UK	Fanwing	STOL UAV	02-Mini	Fanwing	DV	FW	●	29 (CS)			12	2
306	UK	GFS Projects	Flying Saucer	02-Mini		M, DV	SRW	●		0,02		<150	
307	UK	GFS Projects	GFS-7	02-Mini	Coanda principal	DP	SRW	▲●				5,45	
308	UK	MagSurvey	Prion	02-Mini	Magnetic survey	CC	FW	■	90			30	
309	UK	Nitrohawk	Nitrohawk	02-Mini		CC	RW	■		0,5	1,7	15	
310	UK	QinetiQ	Zephyr	10-HALE	Solar-powered	DP	FW	◆	22	82		30	2
311	UK	QinetiQ	Tiger	01-Micro		M, DV	TB	▲				3	
312	UK	Roke Manor Research	Unnamed	03-CR		M, DV	Prf	●				<150	
313	UK	Selex Sensors + Airborne Systems	Damselfly	03-CR	VTOL	M, DV	FW	●	300(CS)			<150	
314	UK	Selex Sensors + Airborne Systems & U.T.R.I., Italy	Asio	02-Mini	VTOL	M	SRW	●	46	0,7	10	4	0,5
315	UK	Selex Sensors + Airborne Systems & U.T.R.I., Italy	Otus	02-Mini		M	FW	●	83	1+	10	<150	1
316	UK	Selex Sensors + Airborne Systems & U.T.R.I., Italy	Strix	02-Mini		M	FW	●	75	1,5	12,5	<150	1
317	UK	SkyShips	C1000	03-CR	Electric	CC	LTA	▲●	55	1		30	7
318	UK	SkyShips	Cirrus 840	03-CR	Electric	CC	LTA	▲●				<150	
319	UK	Swarm Systems	Owl	01-Micro	Quadrocopter, electric	DP, DV	RW	●				1	
320	UK	Tasuma	CSV-25	02-Mini		DP, DV	FW	■				<150	
321	UK	Tasuma	CSV-30	02-Mini		DP, DV	FW	■	175	2		22	
322	UK	Tasuma	CSV-40	02-Mini		DP, DV	FW	■				<150	
323	UK	Tasuma	CSV-50	02-Mini		DP, DV	FW	■				<150	
324	UK	Tasuma	Hawkeye	02-Mini		DP, DV	FW	■	85	1		3,2	
325	UK	Tasuma	CSV-20	02-Mini		DP, DV	FW	■	140	2		20	
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	Country	Producer(s) / Developer(s)	System Designation	Category	Remarks	Class	Air-frame	Status	Max. Speed (km/h)	Endurance (hours)	Range (km)	MTOW (kg)	Payload Capacity Max. (kg)
326	UK	Tasuma	MinO (airframe)	02-Mini		DP, DV	FW	●				<150	
327	UK	Tasuma	MSV-10	02-Mini		DP, DV	FW	■	55	0,5		4,2	
328	UK	Universal Target Systems	Commando	02-Mini		DP	RW	■	120	1		8	1,5
329	UK	Universal Target Systems	Spotter	02-Mini		CC	FW	■				<150	
330	UK	Universal Target Systems	Vigilant	02-Mini	Electric	M	FW	■	140	2+	80+	20	
331	UK	VTOL Technologies	Aerial Police Dog	03-CR		DP	SRW	?	240	1	100	5	1
332	UK	Warrior (Aero-Marine)	Gull 24	02-Mini	Seaplane	DV	FW	▲●	136			18	6
333	UK	Warrior (Aero-Marine)	Gull 36	02-Mini	Seaplane	DV	FW	▲●	152	12		70	
334	UK	Warrior (Aero-Marine)	Gull 44	05-MR	Seaplane	DV	FW	▲●	170			93	34
UAS WITH A MTOM > 150 KG													
1	Austria	Diamond Aircraft	DA42	05-MR	OPA	DP	FW	●	351			2000	300
2	Austria	Schiebel Elektronische Geräte	S-100	05-MR		M	RW	▲	220	6	130	200	50
3	Croatia	Soko	B3	04-SR		DP, DV	FW	●	106 (CS)	9		220	
4	Croatia	Soko	B4	04-SR		DP, DV	FW	●	120 (CS)	12		220	
5	France	EADS Defence & Security & Dyn'Aero (airframe)	Surveyor-2500	05-MR	OPA	DP	FW	■	360	12	185	450	100
6	France	EADS Defence & Security & Vertivision (Eurocopter & Guimbal-AC)	Orka	05-MR		M	RW	●	195	8+	185+	680	150
7	France	ECT Industries & ISNAV	Hotel M	05-MR	Naval VTOL	M, DV	RW	▲●	200	5	200	550	150
8	France	Flying Robots	FR 101	05-MR	OPA	DP	Prf	■		12	150	600	250
9	France	Flying Robots	FR 102	06-MRE		DP	Prf	●	80	20+	150	600	250
10	France	Flying Robots	Teleporteur	05-MR	Cargo	DP	Prf	■		12	150	600	250
11	France	Sagem Défense Sécurité (Safran)	Sperwer	05-MR		M	FW	▲	240	6+	200	350	50
12	France	Sagem Défense Sécurité (Safran)	Sperwer B (LE)	06-MRE		M	FW	●	150	12	200	350	100
13	France	Sagem Défense Sécurité (Safran)	Ugglan	05-MR		M	FW	▲	220	6		330	
14	Germany	EADS Deutschland	Barrakuda	11-UCAV		M, DV	FW	▲●	600			3250	300
15	Germany	EADS Deutschland	Shark	04-SR		M, DV	RW	▲●	160	4		190	60
16	Germany	Imar Navigation	IFF-4.5	05-MR		M, DV	RW	●	300	10		220	
17	Germany	Rheinmetall Defense	KZO	05-MR	RATO	M	FW	▲	220	3,5+	100	161	35
18	Germany	Rheinmetall Defense	KZO EWSM	05-MR	RATO	M	FW	■	220	3,5+	100	161	35
19	Germany	Rheinmetall Defense	Tares (ex-Taifun)	05-MR	OFF	M, DV	FW	●		4	200	160	50
20	Greece	EADS - 3 Sigma	Nearchos	05-MR		DV, DP	FW	▲●	220	8-12	240	190	51-92
21	International	AF UAV Research & Tech Centre, UAE & Schiebel, Austria	Al-Sber	05-MR	Based on S-100	M	RW	▲	220	6	130	200	50
22	International	Composites Technology, Malaysia & BAE Systems, UK	Eagle 150	05-MR	OPA	DP	FW	▲	246	10	250	648	60
23	International	EADS Defence & Security & IAI-Malat, Israel (airframe)	Eagle 1 (SIDM, Harfang)	09-MALE		M	FW	◆	220	30	1700	1200	250
24	International	EADS Defence & Security, France & EADS Deutschland, Germany & EADS CASA, Spain & EADS Astrium, France & Safran, France & Thales, France & Zodiac, France	Advanced UAV	11-UCAV	Modular	M	FW	●				>150	
25	International	EuroHawk GmbH (EADS Deutschland, Germany & Northrop Grumman, USA)	EuroHawk	10-HALE		M, DV	FW	●	573	36	3000	14630	1360
26	International	IAI-Malat, Israel & Sonaca, Belgium	Hunter B	05-MR		M	FW	▲	200	8	200	727	113
27	International	Neuron Consortium: - Dassault Aviation, France & - Alenia Aeronautica, Italy & - Saab, Sweden & - EADS Casa, Spain & - Hellenic Aerospace Ind., Greece & - RUAG Aerospace, Switzerland	Neuron	11-UCAV		M, DV	FW	▲◆●				2270	
28	International	Politecnico Torino, Italy & Euro Consortium	Heliplat	12-STRA	Solar/electric	CC	FW	▲●	71 (CS)	weeks		7200	
29	Germany	Rheinmetall Defense, Germany & Diamond Aircraft, Austria (Airframe)	Opale	05-MR	OPA, diesel	DP	FW	■	360	12	200	1785	190
30	International	RUAG Aerospace & IAI-Malat, Switzerland (airframe)	Ranger	05-MR		M	FW	▲	240	6	180	280	45
31	International	Sagem Défense Sécurité (Safran) & Stemme, Germany (airframe)	Patroller	06-MRE		DP	FW	●	100	18		980	180
32	International	SDM Consortium: - Dassault Aviation, France & - Indra, Spain & - Thales, France & - IAI-Malat, Israel (airframe)	SDM	09-MALE	Proposed dvpt, based on IAI-Malat Heron TP	DV	FW	●	450	30		5080	1800
33	International	Selex Galileo, Italy & General Atomics-ASI, USA	Predator-IT	09-MALE		M	FW	▲		24		1020	
34	International	Teledyne Brown, USA & Rheinmetall DE, Germany	Prospector	05-MR	Based on KZO	M	FW	●	222	6	200	161,03	34,93
35	Italy	Alenia Aeronautica	BlackLynx	10-HALE	Twin engines, diesel								
36	Italy	Alenia Aeronautica	Sky-X	11-UCAV		M	FW	●		36		3500	800
37	Italy	Alenia Aeronautica	Sky-Y	05-MR		M, DV	FW	▲●	648	1	185	1450	350
38	Italy	Alenia Aeronautica & Selex Galileo & Thales Alenia Space	Molynx	10-HALE	Twin engines, diesel	M	FW	●	260(CS)	14	93	1200	150
39	Italy	CIRA	Castore	12-STRA		CC	FW	●	400	34	3700	3400	600
40	Italy	International Aviation Supply	Archimede	05-MR		RV DP	FW FW	▲ ●	> 1000 160(cs)	20	320	>150 650	
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	Country	Producer(s) / Developer(s)	System Designation	Category	Remarks	Class	Air-frame	Status	Max. Speed (km/h)	Endurance (hours)	Range (km)	MTOW (kg)	Payload Capacity Max. (kg)
41	Italy	International Aviation Supply	Raffaello	05-MR		DP	FW	●	160	16	150	180	35
42	Italy	International Aviation Supply	Sky Arrow U	04-SR		M	FW	●		8		450	100
43	Italy	Selex Galileo	Falco	05-MR		M	FW	●▲	216	8-14	150	240 - 350	70
44	Italy	Selex Galileo	Falco Evo	05-MR		M	FW	■		18-20		750	120
45	Portugal	IST & OGMA	Armor X7	05-MR		M, DV	FW	●▲	100	12-15		200	
46	Spain	EADS CASA	Atlante	05-MR		M	FW	●			10	>150	60
47	Spain	INTA	Milano	05-MR		M	FW	●	230	20		900	120
48	Spain	INTA	Siva	05-MR		M, DV	FW	▲	170	6	150	300	40
49	Spain	PLATINO Consortium: 31 Spanish companies incl.: - Aries Complex - ARESA - ACTA - CATEC - INTA - ISDEFE	HADA	05-MR	Diesel	M	RW	●▲	420	6	200	380	100
50	Sweden	Saab	Skeldar V-150	04-SR		DP	RW	●▲	130	4	100	200	30
51	Sweden	Saab	Skeldar-M (V-250)	04-SR	Diesel, marinized	M, DV	RW	●▲			180	250	
52	Switzerland	RUAG Aerospace	Super Ranger	06-MRE		M	FW	●	234(CS)	20	200	500	150
53	UK	BAE Systems	Corax	11-UCAV		M, DV	FW	●▲				>150	
54	UK	BAE Systems	Fury	06-MRE		M, DV	FW	●				>150	
55	UK	BAE Systems	Herti-1B	06-MRE	Converted A/C	M	FW	▲	220	20		750	
56	UK	BAE Systems	Herti-1D	06-MRE	Jet-powered converted A/C	M, DV	FW	●▲				350	
57	UK	BAE Systems	ITAO			M	LTA	●				>150	
58	UK	BAE Systems	Taranis	11-UCAV		M	FW	●▲				8000	
59	UK	BAE Systems & GE Aviation & Meggit & QinetiQ & Selex Galileo	Mantis	09-MALE	Twin engines	M	FW	●▲		24		>150	
60	UK	BAE Systems & Lindstrand Technologies (airship)	GA22	05-MR		M	LTA	■	90	24		>150	45
61	UK	BAE Systems & Slingsby Aviation (aircraft)	Herti-1A	06-MRE	Converted A/C	M, DV	FW	■	220	30		500	145
62	UK	Falx Air	Hybrid electric coaxial helicopter	03-CR	Cargo	DP	RW	●				>150	70
63	UK	Kestrel Aerospace	Kestrel UAV	05-MR		DV	TR	●▲	340		1390	295	
64	UK	Kestrel Aerospace	Lancer	05-MR		DV	TR	●▲	305	12	1667	>150	30
65	UK	LM Consortium: - Blue Bear Systems Research - Cranfield Aerospace - Cranfield University - Lockheed Martin Insys - MBDA - Meggitt Defence - QinetiQ - Roxel - Selex Sensors + Airborne Systems - Selex Systems Integration - Thales - Ultra Electronics	Fire Shadow	05-MR	OFF	M	FW	●		10		200	
66	UK	Merlin Integrated Solutions Consortium	Optica (BLAC airframe)	05-MR	OPA	DV	FW	●?		8	1046	1315	
67	UK	U-TACS Ltd [Thales, UK (49%) & Elbit Systems, Israel (51%)]	WatchKeeper 450	06-MRE		M	FW	●	176	20	200	450	150
68	UK	Warrior (Aero-Marine)	Gull 68	05-MR	Seaplane	DV	FW	●▲	184			250	94
NO LONGER IN PRODUCTION (< & > 150 kg)													
1	France	Aeroart	A100	02-Mini	Ceased 2009	DV	FW	☞	166	6	750	44	30
2	France	Aeroart	Aelius	03-CR	Ceased 2009	M	FW	☞	180			75	17
3	France	Aeroart	Aves	02-Mini	Ceased 2009	DV	FW	☞	110 (CS)	2-12	40	24	13
4	France	Aeroart	Featherlite	01-Micro	Ceased 2009	DV	FW	☞	40 (CS)	1,5	10	1,5	0,25
5	France	Aeroart	H250	03-CR	Ceased 2009	DV	FW	☞	180	18	800	125	55
6	France	Aeroart	Plume	01-Micro	Ceased 2009	DC	FW	☞	40 (CS)			<150	
7	France	Aeroart	Seagos	02-Mini	Ceased 2009	DV	FW	☞				<150	
8	France	Aeroart & Mercury Computer	Aelius 0	02-Mini	Ceased 2009	CC	FW	☞	160	0,5		75	17
9	France	Aeroart & Mercury Computer	Aelius 1	02-Mini	Ceased 2009	CC	FW	☞	180		250	20	30
10	France	Dassault Aviation & Aviation Design (airframe)	AVE C (Petit Duc C)	05-MR		DV	FW	☞▲				60	
11	France	Dassault Aviation & Aviation Design (airframe)	AVE D (Petit Duc)	05-MR		DV	FW	☞▲	M 0.5		150	60	
12	France	DSTU (Dassault Aviation & Sagem)	SlowFast UAV	05-MR		DV	FW	☞▲				60	
13	France	EADS Defence & Security	EuroMALE	09-MALE		M	FW	☞		24	1500	>150	450
14	France	EADS Defence & Security (formerly CAC Systems)	Fox MLCS AT2	04-SR	Ceased 2003	M	FW	☞▲	180	3	50	90	15
15	France	Gates Technology	Air Catamaran	03-CR	Catamaran airship	DV	LTA	☞				<150	
16	France	Sagem Défense Sécurité (Safran) & Onéra, France & Stemme, Germany (airframe)	Busard	06-MRE	OPA	CC, RV	FW	☞	150	18		980	180
17	France	Sagem Défense Sécurité (Safran) & Meggitt Defence, UK (airframe)	Creckerelle	05-MR		M	FW	☞	240	5	200	145	35
18	France	Sagem Défense Sécurité (Safran) &											
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	Country	Producer(s) / Developer(s)	System Designation	Category	Remarks	Class	Air-frame	Status	Max. Speed (km/h)	Endurance (hours)	Range (km)	MTOW (kg)	Payload Capacity Max. (kg)
19	Germany	Meggitt Defence, UK (airframe)	Crecerelle EW	05-MR	EW	M	FW	✚	240	5		145	
20	Germany	EADS Deutschland	D0-MAV	01-Micro		M	FW	✚▲	50	0,5	1,5	0,5	
21	Germany	Rheinmetall Defense Electronics	Fledermaus	05-MR	EW, RATO	M	FW	✚▲	120	3,5	100	161	35
22	Germany	Rheinmetall Defense Electronics	Mücke	05-MR	RATO	M	FW	✚▲	180	5	100	168	
23	International	Airscan Consortium (EC funded)	Airscan	04-SR		CC	LTA	✚▲					
24	International	CybAero, Sweden & NRL, USA	APID Vantage	04-SR		M	RW	✚✚	180	3-5	100	160	15,75
25	International	EADS Defence & Security, France & EADS Deutschland, Germany & Bombardier, Canada	CL-289	07-LADP		M	FW	✚▲	740 (CS)	0,5	180-200	240	30
26	International	EADS Defence & Security, France & IAI-Malat, Israel (airframe)	Eagle 2	09-MALE		M	FW	✚	460	24	2900	3600	450
27	International	EADS Defence & Security, France & Selex Galileo, Italy	Carapas	07-LADP	EW	M	FW	✚▲	972			330	
28	International	EADS Defence & Security, France & Selex Galileo, Italy	Surveyor-600	07-LADP		M	FW	✚▲	850	1-3,5	150+	450	65
29	Italy	Sagem Défense Sécurité (Safran) & ST Aerospace, Singapore	Fantail	02-Mini		M	RW	✚	100	0,5+	1	2,5	0,2
30	Italy	Selex Galileo	Mirach 150	07-LADP		M	FW	✚▲	700	1	250	340	50
31	Italy	Selex Galileo	Mirach 26	05-MR		M	FW	✚▲	220	8		230	35
32	Italy	Selex Galileo	Nibbio	07-LADP		M, DV	FW	✚	970	1,5	380	330	70
33	Netherlands	Dutch Space	MATE	03-CR		M, DV	FW	✚		1	5	6	
34	Netherlands	Geocooper (former E-Producties)	EKH-001	03-CR		DP	RW	✚▲				35	
35	Netherlands	Geocooper (former E-Producties)	Furore	03-CR		CC	RW	✚▲		1		80	30
36	Norway	Proxflyer	MicroFlyer	00-Nano	Electric	DV	RW	✚▲		2mn		0,0078	
37	Norway	Proxflyer	Mosquito	01-Micro	Electric	DV	RW	✚▲				0,11	
38	Norway	Proxflyer	Nanoflyer	01-Micro	Electric	CC	RW	✚▲		1mn		0,0027	
39	Spain	Aitem	Dedalo	02-Mini		CC, RV	FW	✚▲■				<150	
40	Spain	Aitem	Horus	02-Mini		CC, RV	RW	✚▲■				<150	
41	Sweden	CybAero	APID 55	04-SR		DP	RW	✚✚	90	3-6	100	160	55
42	Sweden	Saab	Filur	11-UCAV		M, DV	FW	✚▲	300			55	Fuel Incl.
43	UK	BAE Systems & Flight Refuelling (airframe)	Phoenix	04-SR		M	FW	✚▲	157	4,5	70	180	50
44	UK	Flight Refuelling & Tasma (Airframe)	Raven 1	03-CR		M	FW	●	126	2	50	15	
45	UK	Flight Refuelling & Tasma (Airframe)	Raven 2	03-CR		M	FW	●	180	3	50	84	
46	UK	Meggitt Defense Systems	Phantom	03-CR		M	FW	✚■	180 (CS)	4		40	
47	UK	Meggitt Defense Systems	Spectre	05-MR		M	FW	✚▲	240	3-6	160	145	25
48	UK	QinetiQ & Cranfield Aerospace	MinO	02-Mini		M	FW	✚▲●	144	1		10	
49	UK	QinetiQ & Cranfield Aerospace	Observer	03-CR		M, DV	FW	✚■	126	2	25	30	4

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CR = Close Range	B/C = Bacteriological & chemical sensing	NM = Not Motorised	UCAR = Unmanned Combat Aerial Rotorcraft
SR = Short Range	CC = Civil/Commercial	OFF = Offensive	VTOL = Vertical Take-Off & Landing
MR = Medium Range	CL = Container Launched	OPA = Optionally Piloted Aircraft	
MRE = Medium Range Endurance	CRW = Canard Rotary Wing	Prf = Parafoil	
LADP = Low Altitude Deep Penetration	CS = Cruising Speed	RATO = Rocket Assisted Take-Off	▲ = Proof-of-concept/demonstrator
LALE = Low Altitude Long Endurance	DP = Dual Purpose - civil/military	RV = Research Vehicle	▲ = In inventory and/or in service
MALE = Medium Altitude Long Endurance	DV = Developmental Vehicle	RW = Rotary Wing	✚ = Ordered/Entering service
HALE = High Altitude Long Endurance	EW = Electronic Warfare	SRW = Shrouded Rotary Wing	◆ = Ordered as test/demo system
UCAV = Unmanned Combat Aerial Vehicle	Ex = Expendable	LTA = Lighter than Air	● = Development continuing
STRA = Stratospheric	FLW = Flapping Wing	TB = Tilt Body	✚ = No longer in production/development
EXO = Exo stratospheric	FW = Fixed Wing	TR = Tilt Rotor	■ = Developed & market ready



Advanced UAV - EADS, France, Germany & Spain



Watchkeeper 450 - UTACS (Thales & Elbit Systems), UK



HEF-30 - HighEye, Netherlands



Cyclvol 2 - Vision-du-Ciel, France

Development Status of UAS in Europe

UAS WITH A MTOW BELOW & ABOVE 150KG

	Country		Company/Organization	SME /Ind		UAS Designation	Aircraft Type	MTOW in kg	Status
UAS WITH A MTOW <150 KG									
1	Austria	1	AeroSpy	SME	1	Quadrocopter	RW	0,9	Under development
	Austria		AeroSpy	SME	2	Sensorplatform	FW	1	Under development
	Austria	2	FH Joanneum(University of Graz)	Uni	3	JXP-S	FW	25	Under development
	Austria	3	KameraDrohne	SME	4	HD35	RW	40	Under development
	Austria	4	Schiebel Elektronische Geräte	SME	5	Camcopter	RW	68	In service
	Austria	5	University of Salzburg	Uni	6	Javiator	RW	5,6	Under development
2	Belgium	6	Flying-Cam	SME	7	FlyingCam	RW	15	In service
	Belgium		Flying-Cam	SME	8	FlyingCam III E Sarah	RW	25	In service
	Belgium	7	Gatewing	SME	9	K120	FW	1,2	In service
	Belgium	8	JP Engineering	SME	10	JP-1	RW	1,5	Under development
3	Bulgaria	9	Aviotechnica	SME	11	Yastreb	FW	66	In service
	Bulgaria	10	Kintex	SME	12	Niti	FW	60	Under development
4	Croatia	11	Defence Research Est.	Gvt	13	BL-50	FW	<150	In service
5	Czech Rep.	12	Hacker	SME	14	HAES 90 «Electric Ray»	FW	<150	Market ready
	Czech Rep.		Hacker	SME	15	HAES Scanner V1.2	FW	25	Market ready
	Czech Rep.	13	VTUL a PVO	Gvt	16	Manta	FW	62	Market ready
	Czech Rep.		VTUL a PVO	Gvt	17	Optoelektron 1	FW	5	Under development
	Czech Rep.		VTUL a PVO	Gvt	18	Sojka III/TV(M)	FW	145	In service
	Czech Rep.		VTUL a PVO	Gvt	19	Sojka III/TV(M) - EE	FW	145	In service
5	Finland	14	Patria	Ind	20	MASS Mini-UAV	FW	3	In service
6	France	15	ABS Aerolight	SME	21	Maxi	Prf	25	In service
	France		ABS Aerolight	SME	22	Pixy	Prf	5,6	In service
	France	16	AeroDrones	SME	23	Aerodrone	RW	<150	Under development
	France	17	Alcore Technologies	SME	24	Azimut 2001	FW	9	Proto/techno. demo
	France		Alcore Technologies	SME	25	Biodrone	FW	12	Proto/techno. demo
	France		Alcore Technologies	SME	26	Chacal 2	FW	85	Proto/techno. demo
	France		Alcore Technologies	SME	27	Drone Futura	FW	70	Proto/techno. demo
	France		Alcore Technologies	SME	28	Easycopier	RW	1,6	Proto/techno. demo
	France		Alcore Technologies	SME	29	Epsilon 1	FW	0,45	Proto/techno. demo
	France		Alcore Technologies	SME	30	Maya	FW	2,5	Proto/techno. demo
	France	18	Bertin Technologies	SME	31	Flying Ball	SRW	1,5	Proto/techno. demo
	France		Bertin Technologies	SME	32	HoverEye	RW	3,5	Market ready
	France	19	EADS Defence & Security & SurveyCopter(now weControl, Switzerland)	Ind	33	Scorpio 30	RW	38	In service
	France		EADS Defence & Security & SurveyCopter(now weControl, Switzerland)	Ind	34	Scorpio 6	RW	13	In service
	France		EADS Defence & Security & SurveyCopter (now weControl, Switzerland)	Ind	35	Tracker	FW	8,2	In service
	France	20	EuroMC	SME	36	Aero-Drone 120	SRW	6	Under development
	France		EuroMC	SME	37	Aero-Drone 50	SRW	1,5	Under development
	France		EuroMC	SME	38	Aero-Drone 70	SRW	1,85	Under development
	France	21	Flying Robots	SME	39	FR A2	FW	15	Under development
	France		Flying Robots	SME	40	FR E1	FW	<150	In service
	France	22	Fly-n-Sense	SME	41	360° UAV	RW	<150	Under development
	France		Fly-n-Sense	SME	42	FNS 900 Seeker	FW	2	Under development
	France		Fly-n-Sense	SME	43	Scan Copter	SRW	2	Under development
	France	23	Gates Technology	SME	44	GT Aircraft	LtA	<150	Market ready
	France	24	Infotron	SME	45	IT 180-5 EL	RW	17	Market ready
	France		Infotron	SME	46	IT 180-5 TH	RW	19	Market ready
	France	25	Lehmann Aviation	SME	47	LP960	FW	0,9	In service
	France		Lehmann Aviation	SME	48	LV580	FW	0,75	In service
	France	26	Novadem	SME	49	NX110	RW	<150	In service
	France		Novadem	SME	50	NX110m	RW	<150	Market ready
	France		Novadem	SME	51	U130	RW	<150	In service
	France	27	Onéra	Rsch	52	Remanta	FLW	<1	Under development
	France	28	Philae Concept	SME	53	Pixy 1	Prf	<150	Market ready
	France		Philae Concept	SME	54	Pixy 2	Prf	<150	Market ready
	France	29	Pix-Air & AirStar	SME	55	Soulcam	LtA	90	Market ready
	France	30	Polyvionics	SME	56	Vulcas	FW	20	Under development
	France	31	PR Automation	SME	57	PY Copter	RW	15,4	Market ready
	France		PY Automation	SME	58	Cybird	FW	1,5	Market ready
	France	32	PY Design	SME	59	O.V.O	LtA	2	Under development
	France	33	RFTronic	SME	60	Coleo	SRW	0,6 - 25	Under development
	France		RFTronic	SME	61	Coleo 224	SRW	<150	Under development
	France		RFTronic	SME	62	Coleo 380	SRW	<150	Under development
	France		RFTronic	SME	63	Coleo 700	SRW	<150	Under development
	France	34	Sagem Défense Sécurité (Safran)	Ind	64	Merlin	FW	6	Dvpt discontinued?
	France	35	Sagem Défense Sécurité (Safran) & Bertin Technology (Airframe)	Ind	65	Odin	SRW	3,2	Dvpt discontinued?
	France	36	SMP Technologies (Microdrone distributor?)	SME	66	iDrone V5	RW	2,2	Market ready
	France		SMP Technologies (Microdrone distributor?)	SME	67	iDrone V3	RW	1,5	Market ready
	France	37	Technisolar-Seni	SME	68	Bourdon	FW	4	Market ready
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	Country		Company/Organization	SME /Ind		UAS Designation	Aircraft Type	MTOW in kg	Status	
7	France	38	Technisolar-Seni	SME	69	Buteo	SRW	<150	Dvpt discontinued?	
	France		Technisolar-Seni	SME	70	Coccinelle	FW	0,4	Dvpt discontinued?	
	France		Technisolar-Seni	SME	71	D.E.R.E.	FW	2,5	Dvpt discontinued?	
	France		Technisolar-Seni	SME	72	Eclaireur	FW	25	Dvpt discontinued?	
	France		Technisolar-Seni	SME	73	Libellule	FW	4	Dvpt discontinued?	
	France		Thales	Ind	74	Spy Arrow HC	FW	1,2	In service	
	France		Thales	Ind	75	Spy Arrow LW	FW	0,5	In service	
	France		39	Vision du Ciel	SME	76	Cyclope 4.0	FW	2,5	In service
	France			Vision du Ciel	SME	77	I.Z.I 1.0	FW	1,7	In service
	France			Vision du Ciel	SME	78	Pixy 26-40	Prf	<150	In service
	France		40	Vision du Ciel	SME	79	Pixy 29-40	Prf	<150	In service
	France			Workfly	SME	80	Eyesfly	SRW	<150	Under development
	France	41	Sirehna (DCNS)							
			KYU Microdrones							
			PY Automation	Ind	81	Cybird	FW	1,5	Market ready	
			Sirehna (DCNS) & KYU Microdrones & PY Automation, France							
	Germany	42	AirRobot	Ind	82	Elytre (Elsa)	FW	1,5	Ordered	
	Germany		AirRobot	SME	83	AR100	RW	<1	In service	
	Germany	43	AirRobot	SME	84	AR70	RW	1	In service	
	Germany		AirRobot	SME	85	Mikado	RW	1	Under development	
	Germany		Ascending Technologies	SME	86	Autopilot V2	RW	<150	Market ready	
	Germany		Ascending Technologies	SME	87	Falcon 8	RW	1,8	Market ready	
	Germany		Ascending Technologies	SME	88	Hornet	RW	<150	Market ready	
	Germany		Ascending Technologies	SME	89	Pelican	RW	<150	Market ready	
	Germany	44	Ascending Technologies	SME	90	Research Pilot	RW	<150	Market ready	
	Germany		Borjet	SME	91	CoRex	FW	5	Under development	
	Germany		Borjet	SME	92	FlyEye	FW	3	Under development	
	Germany	45	Diehl BGT Defence	Ind	93	SensoCopter	RW	0,9	Dvpt discontinued?	
	Germany		EADS Deutschland	Ind	94	Midas	FW	0,2	Dvpt discontinued?	
	Germany	46	EADS Deutschland	Ind	95	QuattroCopter	RW	0,5	Dvpt discontinued?	
	Germany		EMT	SME	96	Aladin	FW	3,2	In service	
	Germany	47	EMT	SME	97	FanCopter	SRW	1,3	In service	
	Germany		EMT	SME	98	Luna	FW	40	In service	
	Germany		EMT	SME	99	Mikado	FW	0,5	Under development	
	Germany	48	EMT	SME	100	Museco	RW	75	Market ready	
	Germany		EMT	SME	101	X13	FW	130	Under development	
	Germany		GolCart Consortium: - Rheinmetall Defence - CeBeNetwork - DFS - Haindl - Offis - DFKI - University of Bremen	Ind & SME	102	Guard	RW	5	Under development	
			GolCart Consortium:							
	Germany		GolCart Consortium:	Ind & SME	103	Mariner	FW	25	Under development	
	Germany		GolCart Consortium:	Ind & SME	104	Profiler	FW	15	Under development	
	Germany		GolCart Consortium:	Ind & SME						
	Germany	49	Institute for Termographie	SME	105	Scout	FW	50	Under development	
	Germany		Institute for Termographie	Rsch	106	Flying Roboter	RW	<150	Under development	
	Germany	50	Mavionics	Rsch	107	Vericopter	RW	<150	Under development	
	Germany		Mavionics	SME	108	Carolo C40	FW	0,45	Market ready	
	Germany		Mavionics	SME	109	Carolo P200	FW	4	Market ready	
	Germany		Mavionics	SME	110	Carolo P330	FW	5	Market ready	
	Germany		Mavionics	SME	111	Carolo P50	FW	0,53	Market ready	
	Germany		Mavionics	SME	112	Carolo P70	FW	0,55	Market ready	
	Germany		Mavionics	SME	113	Carolo T140	FW	1,85	Market ready	
	Germany		Mavionics	SME	114	Carolo T200	FW	4,5	Market ready	
	Germany	51	Microdrones & Karlsruhe Inst. of Technology (see also Diehl)	SME & Rsch						
	Germany		Microdrones & Karlsruhe Inst. of Technology	Rsch	115	Md4-200	RW	0,9	In service	
	Germany	52	Mikado	SME & Rsch	116	Md4-1000	RW	4,8	Ordered	
	Germany	53	Rheinmetall Defense Electronics	Ind	117	Logo 600	RW	<150	Under development	
	Germany	54	Rotrob	Ind	118	Kolibri (Hummingbird)	RW	1,6	Dvpt discontinued?	
	Germany	55	Scalecopter	SME	119	Rotrob	RW	<150	In service	
	Germany	56	SIM Security & Electronic Systems (Microdrones distributor?)	SME	120	CamClone	RW	41,6	Under development	
	Germany		SIM Security & Electronic Systems (Microdrones distributor?)							
	Germany	57	SIM Security & Electronic Systems (Microdrones distributor?)	SME	121	SkyEye	RW	0,9	Market ready	
	Germany		SIM Security & Electronic Systems (Microdrones distributor?)							
	Germany	58	TFH Wildau	SME	122	SkyEye XT	RW	3,9	Market ready	
	Germany		TFH Wildau	Rsch	123	Bully	FW	17	Under development	
	Germany		UAV Services & Systems	SME	124	MX-Sight	FW	6,9	In service	
	Germany		UAV Services & Systems	SME	125	X-Sight	FW	16	In service	
	Greece	59	Arpedon	SME	126	IR 001	FW	<150	Under development	
	Greece	60	BSK Defence	SME	127	Phaeton	FW	<150	Under development	
	Greece		BSK Defence	SME	128	Ideon	FW	<150	Under development	
	Hungary	61	HI Aero	SME	129	Gabbiano	FW	4,5	In service	
	International	62	AF UAV Research & Tech Centre, UAE & CybAero, Sweden	Rsch & SME						
	International		European Consortium	SME	130	APID 55 - UAE	RW	<150	Ordered	
	International	63	INDRA, Spain & CybAero, Sweden	Rsch	131	MAVDEM Project	RW	<150	Under development	
	International	64	INDRA, Spain & CybAero, Sweden	Ind & SME						
	International		CybAero, Sweden	SME	132	Albhatros	RW	150	Under development	
	International	65	Onéra, France & Royal Military Academy, Belgium	SME	133	Mirador	FW	<1	Under development	
		Royal Military Academy, Belgium	Rsch	133	Mirador	FW	<1	Under development		
MTOM (& ... - AC) SME	= Maximum Take-Off Mass = Airframe manufacturer = Small & Medium-sized Enterprise < 250 employees < Euro 50 million annual turnover	⚡ AC DF FanW FlapW FW FW-SW FW-TE Inflat.W Ex LtA	= Has ceased trading = Aircraft = Ducted Fan = Fan Wing = Flapping Wing = Fixed Wing = Fixed Wing Stub Wing = Fixed Wing Twin Engine = Inflatable Wing = Expendable = Lighter-than-Air (airship)			OPA Prf RW RW-3x2CR RW-3R RW-4R RW-8R SRW LtA TB TR	= Optionally Piloted Aircraft = Motorized Parafoil = Rotary Wing = Rotary Wing with 3 sets of 2 counter-rotating rotors = Rotary Wing with 3 rotors = Rotary Wing with 4 rotors = Rotary Wing with 8 rotors = Shrouded Rotary Wing = Lighter than Air = Tilt Body = Tilt Rotor			

	Country		Company/Organization	SME /Ind		UAS Designation	Aircraft Type	MTOW in kg	Status
11	International	66	Saab, Sweden & Swiss UAS, Switzerland	Ind & SME	134	Neo S300	RW	75	Market ready
	International	67	SmartFish, Switzerland & DLR, Germany	SME & Rsch	135	HyFish	FW	<150	Under development
	International	68	Teledyne Brown, USA & Rheinmetall DE, Germany	Ind	136	Thunder	FW	<150	Dvpt discontinued?
	International	69	VITO, Belgium & Verhaert, Belgium & Alcatel, Belgium & QinetiQ, UK	Rsch & Ind					
	Italy	70	A2Tech	SME	137	Pegasus	FW	27	Under development
	Italy		A2Tech	SME	138	RV-02	FW	<150	Under development
	Italy		A2Tech	SME	139	RV-160TD	FW	<150	Under development
	Italy	71	Advanced Aviation Technology	SME	140	RV-02	FW	<150	Market ready
	Italy		Advanced Aviation Technology	SME	141	RV-03	FW	<150	Market ready
	Italy		Advanced Aviation Technology	SME	142	RV-04	LtA	<150	Under development
	Italy		Advanced Aviation Technology	SME	143	RV-05	RW	<150	Market ready
	Italy	72	Aermatica	SME	144	Anteos	RW	<150	Market ready
	Italy	73	Aero Sekur	SME	145	unnamed	FW	3	Under development
	Italy	74	Alpi Aviation	SME	146	Strix-A	FW	6	In service
	Italy		Alpi Aviation	SME	147	Strix-B	FW	<150	Market ready
	Italy	75	International Aviation Supply	SME	148	Corvo	FW	<150	Under development
	Italy		International Aviation Supply	SME	149	Gabbiano	FW	4,5	Under development
	Italy		International Aviation Supply	SME	150	Pico	FW	5	Under development
	Italy		International Aviation Supply	SME	151	Pitagora	FW	25	Under development
	Italy	76	MAVTECH	SME	152	MH2000	FW	11	Under development
	Italy		MAVTECH	SME	153	MH600-AP	FW	<150	Under development
	Italy	77	Nautilus	SME	154	NRC-Class D	LtA	9	Under development
	Italy		Nautilus	SME	155	NRC-Class E	LtA	7	Under development
	Italy	78	Nimbus	SME	156	Beta	LtA	<150	Under development
	Italy		Nimbus	SME	157	C-Fly	LtA	<150	Under development
	Italy		Nimbus	SME	158	EosXi	LtA	40	Under development
	Italy		Nimbus	SME	159	NBS 20	LtA	20	Market ready
	Italy		Nimbus	SME	160	NBS 35	LtA	35	Market ready
	Italy	79	Selex Galileo & U.T.R.I	Ind & SME	161	Asio	SRW	4	Market ready
	Italy		Selex Galileo & U.T.R.I	Ind & SME	162	Otus	FW	2,3	Market ready
	Italy		Selex Galileo & U.T.R.I	Ind & SME	163	Strix	FW	20	Market ready
	Italy	80	Siralab	SME	164	SR-H3	FW	<150	In service
	Italy	81	U.T.R.I	SME	165	Asio	SRW	6,5	Under development
	Italy		U.T.R.I	SME	166	Crex-B	FW	0,6	Market ready
	Italy		U.T.R.I	SME	167	Profalk	TR	18	Market ready
	Italy		U.T.R.I	SME	168	Spyball	SRW	5	Under development
	Italy		U.T.R.I	SME	169	TSO-401	SRW	4,2	Market ready
12	Latvia	82	UAV Factory	SME	170	Penguin	FW	20	Under development
13	Latvia		UAV Factory	SME	171	Varna	FW	1,5	Under development
	Netherlands	83	Aerwin Technologies	SME	172	unnamed	LtA	<150	Under development
	Netherlands	84	ASTI & TNO	SME & Rsch	173	DelFly I	FLW	<150	Under development
	Netherlands		ASTI & TNO	SME & Rsch	174	DelFly II	FLW	0,016	Under development
	Netherlands	85	Delft Dynamics	SME	175	Robot Helicopter	RW	15	In service
	Netherlands	86	Geocopter (former E-Producties)	SME	176	GC-201	RW	100	Market ready
	Netherlands	87	HighEye	SME	177	HE 26 CA	RW	8	Market ready
	Netherlands		HighEye	SME	178	HE 60 CA	RW	11	Market ready
	Netherlands		HighEye	SME	179	HE 80	RW	15	Market ready
	Netherlands		HighEye	SME	180	HEF 30 CA	RW	7	Market ready
	Netherlands		HighEye	SME	181	HEF 60	RW	11	Market ready
	Netherlands		HighEye	SME	182	HEF 80	RW	15	Market ready
	Netherlands	88	UAV-Europe	SME	183	MH 23	RW	40	Market ready
14	Norway	89	ET-Air	SME	184	Cruiser	FW	20	Under development
	Norway	90	NORUT	Rsch	185	CryoWing	FW	<150	Under development
	Norway	91	Odin Aero	SME	186	Cruiser	FW	<150	Market ready
	Norway		Odin Aero	SME	187	Prion 3-001	FW	<150	Market ready
	Norway		Odin Aero	SME	188	Prion 3-004	FW	<150	Market ready
	Norway		Odin Aero	SME	189	Recce D6	FW	2,8	Under development
	Norway	92	Prox Dynamics	SME	190	Hornet-1 to Hornet-4	RW	0,015	Under development
	Norway		Prox Dynamics	SME	191	PD-100 Black Hornet	RW	0,015	Under development
	Norway		Prox Dynamics	SME	192	PD-100C	RW	0,015	Under development
	Norway		Prox Dynamics	SME	193	BladeRunner	RW	0,05	In service
	Norway	93	Robot Aviation	SME	194	Aerobot	FW	<150	Under development
	Norway	94	SIMiCon	SME	195	SRV	FW	150	Under development
	Norway	95	University of Bergen	Uni	196	SUMO	FW	0,58	Market ready
15	Poland	96	Air Force Institute of Technology	Rsch	197	HOB-bit	FW	3,5	Under development
	Poland		Air Force Institute of Technology	Rsch	198	unnamed	FW	18	Under development
	Poland	97	ITWL	SME	199	HOB-bit	FW	5	Market ready
	Poland	98	Research & Development Centre for Mechanical Appliances	Rsch	200	Bee	FW	0,07	Under development
	Poland		Research & Development Centre for Mechanical Appliances	Rsch	201	CamBat	FW	1,7	Under development
16	Poland	99	WB Electronics	SME	202	Sofar	FW	4,9	In service
	Portugal	100	CINAVE	SME	203	Berrio	RW	12	Market ready
	Portugal		CINAVE	SME	204	San Gabriel	RW	38	Market ready
	Portugal		CINAVE	SME	205	San Rafael	RW	58	Market ready
	Portugal	101	Minho University School of Engineering	Uni	206	AIVA	FW	15	Under development
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17	Portugal	102	University of Porto						
	Romania	103	Faculty of Engineering	Uni	207	ASASF	FW	<150	Under development
	Romania	104	Centrul de Invetica Electromecanica Ploiesti & Politehnica Bucharest & INCAS & Romarm	Rsch SME & Rsch	208 209	Octogon Vigilent	RW FW	<150 <150	Dvpt discontinued? Under development
18	Romania	105	Inav Aviation Institute	Rsch	210	Argus S	FW	15,5	Under development
	Romania		Inav Aviation Institute	Rsch	211	Argus XL	FW	140	Under development
	Serbia	106	EMA-UAV	SME	212	Nikola Tesla 150	FW	40	Under development
19	Serbia	107	Utva Aircraft Industry	SME	213	Gavran I	FW	16	Under development
	Serbia		Utva Aircraft Industry	SME	214	Gavran II	FW	30	Under development
	Serbia		Utva Aircraft Industry	SME	215	IBL-2004	FW	<150	Under development
20	Slovakia	108	Advanced Unmanned Systems International	SME	216	AirSniper	TR	12	Under development
	Slovenia	109	Aviotech	SME	217	RVM04	FW	36	Under development
	Slovenia	110	C-Astral	SME	218	Bramor	FW	4	Market ready
21	Slovenia		C-Astral	SME	219	Spectral System	FW	9,2	Market ready
	Slovenia	111	University of Ljubliana	Uni	220	Karantania	FW	7,4	Under development
	Slovenia		University of Ljubliana	Uni	221	Maister	FW	50	Under development
22	Slovenia		University of Ljubliana	Uni	222	Vision - UPP	FW	3,7	Under development
	Spain	112	Aerovision	SME	223	Fulmar Land	FW	19	Market ready
	Spain		Aerovision	SME	224	Fulmar Sea 2.0	FW	19	Market ready
23	Spain	113	Ain	Ind	225	UAR10	RW	40	Market ready
	Spain		Ain	Ind	226	UAR35	RW	75	Market ready
	Spain		Ain	Ind	227	UAR5	RW	18	Market ready
24	Spain	114	Airview	SME	228	AV-01	FW	6	Market ready
	Spain		Airview	SME	229	AV-02	FW	8	Market ready
	Spain		Airview	SME	230	AV-03	FW	28	Market ready
25	Spain	115	Alpha Unmanned Systems	SME	231	Atlantic	FW	31	Market ready
	Spain		Alpha Unmanned Systems	SME	232	Atlas	FW	6,9	Market ready
	Spain		Alpha Unmanned Systems	SME	233	Commando	RW	8	Market ready
26	Spain		Alpha Unmanned Systems	SME	234	Sniper	RW	14	Market ready
	Spain	116	CATUAV	SME	235	Argos	FW	12	Market ready
	Spain		CATUAV	SME	236	Atmos-4	FW	1,75	Market ready
27	Spain		CATUAV	SME	237	Furoseng	FW	11	Market ready
	Spain	117	Elimco	SME	238	Scan	FW	5,5	Market ready
	Spain		Elimco	SME	239	Viewer	FW	13	Market ready
28	Spain		Elimco	SME	240	X-Vision	FW	50,1	Market ready
	Spain	118	Fiberflight	SME	241	Victor Mk I	FW	0,525	Market ready
	Spain		Fiberflight	SME	242	Victor Mk II	FW	1,1	Market ready
29	Spain		Fiberflight	SME	243	Victor Mk III	FW	2,1	Market ready
	Spain	119	Grupo Tekplus	SME	244	Tekplus 1	FW	<150	Market ready
	Spain	120	Innovaciones y Desarrollos Aeronauticos	SME	245	HEL-UAV	RW	15,5	Market ready
30	Spain	121	INTA	Rsch	246	ALO	FW	20	In service
	Spain	122	Oberon Space	Ind	247	SAVL	FW	<150	Under development
	Spain	123	Proytec	SME	248	ATMOS-2	FW	0,96	Market ready
31	Spain	124	Robotnik Automation	SME	249	X4	RW	<150	Under development
	Spain	125	Sistemas de Control Remoto (SCR)	SME	250	Alba 01	FW	18	Under development
	Spain		Sistemas de Control Remoto (SCR)	SME	251	X-Vision	FW	40	Under development
32	Spain	126	UAV Navigation	SME	252	KUAV (Commando)	FW	30	Market ready
	Spain	127	Unmanned Aircraft Technologies	SME	253	K-2A	FW	45	Market ready
	Spain		Unmanned Aircraft Technologies	SME	254	K-2B	FW	50	Market ready
33	Sweden	128	CybAero	SME	255	APID 60	RW	150	Under development
	Sweden	129	Saab	Ind	256	Sharc	FW	60	Dvpt discontinued?
	Sweden		Saab	Ind	257	Skeldar V-150 prototype	RW	150	Dvpt discontinued?
34	Sweden	130	SmartPlanes	SME	258	Smart-1	FW	1	In service
	Switzerland	131	Aeromedia	SME	259	Aerocopter 1	RW	2	Market ready
	Switzerland		Aeromedia	SME	260	Aerocopter 2	RW	12	Market ready
35	Switzerland		Aeromedia	SME	261	AeroStar 1	FW	1	Market ready
	Switzerland		Aeromedia	SME	262	AeroStar 2	FW	2	Market ready
	Switzerland	132	Aeroscout	SME	263	B2-120	RW	<150	In service
36	Switzerland		Aeroscout	SME	264	T5	RW	25	Market ready
	Switzerland	133	Minizepp	SME	265	Z10000Pro	LTA	<150	Market ready
	Switzerland		Minizepp	SME	266	Z13000	LTA	<150	Market ready
37	Switzerland	134	SenseFly	SME	267	Swinglet	FW	0,5	Under development
	Switzerland	135	Skive Aviation	SME	268	Skive	LTA	<150	Market ready
	Switzerland	136	Skybotix Technologies	SME	269	Coax 1	RW	0,22	Market ready
38	Switzerland		Skybotix Technologies	SME	270	Coax 2	RW	<150	Market ready
	Switzerland		Skybotix Technologies	SME	271	OS4	RW	2	In service
	Switzerland		Skybotix Technologies	SME	272	Planemini	FW	<150	In service
39	Switzerland		Skybotix Technologies	SME	273	Skybox	RW	<150	Under development
	Switzerland	137	Federal Institute of Technology	Uni	274	Sky-Sailor	FW	2,3	Market ready
	Switzerland		Swiss UAV	SME	275	KOAX X-240	RW	<150	Market ready
40	Switzerland		Swiss UAV	SME	276	NEO S-300	RW	75	Market ready
	Switzerland	138	SwissCopter	SME	277	NT 150	FW	95	Market ready
	Switzerland	139	weControl						
41	Switzerland		(formerly SurveyCopter, France)	SME	278	Card Ch	FW	10	Market ready
	Switzerland		(formerly SurveyCopter, France)	SME	279	Copter 1b	RW	15	In service
	Switzerland		weControl	SME	280	Copter 4	RW	30	In service
42	Switzerland		(formerly SurveyCopter, France)	SME	281	Copter City	RW	12	Market ready
	Switzerland		weControl						
	Switzerland		(formerly SurveyCopter, France)	SME	282	DVF-2000	FW	10	In service
43	UK	140	Aero Sekur	SME	283	unnamed	FW	<150	Under development
	UK	141	Aesir	SME	284	Embler	SRW	<150	Under development
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	UK		Aesir	SME	285	Hoder	SRW	<150	Under development
	UK		Aesir	SME	286	Odin	SRW	<150	Under development
	UK		Aesir	SME	287	Vidar	SRW	<150	Under development
	UK	142	Autonomous Vehicles International	SME	288	Seeker	TR	16	Under development
	UK	143	BAE Systems	Ind	289	Havir		<150	Under development
	UK		BAE Systems	Ind	290	Kestrel	FW	<150	Under development
	UK		BAE Systems	Ind	291	Raven	FW	<150	Under development
	UK		BAE Systems	Ind	292	Reliant Mauser	FW	<150	?
	UK	144	Cyberflight	SME	293	Bushmaster	FW	2	Market ready
	UK		Cyberflight	SME	294	Cybeye	FW	10	Under development
	UK		Cyberflight	SME	295	CyberOne	FW	12.2	Under development
	UK		Cyberflight	SME	296	e-Swift-Eye	FW	2.2	Market ready
	UK		Cyberflight	SME	297	Fat Boy	FW	70	Under development
	UK		Cyberflight	SME	298	S.O.D.I	FW	3	Under development
	UK		Cyberflight	SME	299	S.O.D.III	FW	5.4	Under development
	UK		Cyberflight	SME	300	S.O.D.IV	FW	0.5	Under development
	UK		Cyberflight	SME	301	Swift-Eye	FW	6.4	Market ready
	UK	145	Dragonfly Air Systems	SME	302	Highland Darter	TW	<150	Under development
	UK		Dragonfly Air Systems	SME	303	Skimmer	TR	20	Under development
	UK	146	Fanwing	SME	304	Fanwing	FW	40	Under development
	UK		Fanwing	SME	305	STOL UAV	FW	12	Under development
	UK	147	GFS Projects	SME	306	Flying Saucer	SRW	<150	Under development
	UK		GFS Projects	SME	307	GFS-7	SRW	5.45	Under development
	UK	148	MagSurvey	SME	308	Prion	FW	30	Market ready
	UK	149	Nitrohawk	SME	309	Nitrohawk	RW	15	Market ready
	UK	150	QinetiQ	Ind	310	Zephyr	FW	30	Under development
	UK		QinetiQ	Ind	311	Tiger	TB	3	?
	UK	151	Roke Manor Research	SME	312	Unnamed	Prf	<150	?
	UK	152	Selex Sensors + Airborne Systems	Ind	313	Damselfly	FW	<150	Under development
	UK	153	Selex Sensors + Airborne Systems & U.T.R.I., Italy	Ind & SME	314	Asio	SRW	4	Market ready
	UK		Selex Sensors + Airborne Systems & U.T.R.I., Italy	Ind & SME	315	Otus	FW	<150	Market ready
	UK		Selex Sensors + Airborne Systems & U.T.R.I., Italy	Ind & SME	316	Strix	FW	<150	Market ready
	UK	154	SkyShips	SME	317	C1000	LTA	30	Under development
	UK		SkyShips	SME	318	Cirrus 840	LTA	<150	Under development
	UK	155	Swarn Systems	SME	319	Owl	RW	1	Under development
	UK	156	Tasuma	SME	320	CSV-25	FW	<150	Market ready
	UK		Tasuma	SME	321	CSV-30	FW	22	Market ready
	UK		Tasuma	SME	322	CSV-40	FW	<150	Market ready
	UK		Tasuma	SME	323	CSV-50	FW	<150	Market ready
	UK		Tasuma	SME	324	Hawkeye	FW	3.2	Market ready
	UK		Tasuma	SME	325	CSV-20	FW	20	Supplied
	UK		Tasuma	SME	326	MinO (airframe)	FW	<150	Dvpt discontinued?
	UK		Tasuma	SME	327	MSV-10	FW	4.2	Market ready
	UK	157	Universal Target Systems	SME	328	Commando	RW	8	Market ready
	UK		Universal Target Systems	SME	329	Spotter	FW	<150	Market ready
	UK		Universal Target Systems	SME	330	Vigilant	FW	20	Market ready
	UK	158	VTOL Technologies	SME	331	Aerial Police Dog	SRW	5	?
	UK	159	Warrior (Aero-Marine)	SME	332	Gull 24	FW	18	Under development
	UK		Warrior (Aero-Marine)	SME	333	Gull 36	FW	70	Under development
	UK		Warrior (Aero-Marine)	SME	334	Gull 44	FW	93	Under development
			UAS WITH A MTOM > 150 kg						
1	Austria	1	Diamond Aircraft	Ind	1	DA42	FW	2000	Under development
	Austria	2	Schiebel Elektronische Geräte	SME	2	S-100	RW	200	In service
2	Croatia	3	Soko	SME	3	B3	FW	220	Under development
	Croatia		Soko	SME	4	B4	FW	220	Under development
3	France	4	EADS Defence & Security & Dyn'Aero (airframe)	Ind & SME	5	Surveyor-2500	FW	450	In service
	France	5	EADS Defence & Security & Vertivision (= Eurocopter & Guimbal-AC)	Ind	6	Orka	RW	680	Under development
	France	6	ECT Industries & ISNAV	SME	7	Hetel M	RW	550	Dvpt discontinued?
	France	7	Flying Robots	SME	8	FR 101	Prf	600	In service
	France		Flying Robots	SME	9	FR 102	Prf	600	Market ready
	France		Flying Robots	SME	10	Teleporteur	Prf	600	Market ready
	France	8	Sagem Défense Sécurité (Safran)	Ind	11	Sperwer	FW	350	In service
	France		Sagem Défense Sécurité (Safran)	Ind	12	Sperwer B (LE)	FW	350	Dvpt discontinued?
	France		Sagem Défense Sécurité (Safran)	Ind	13	Ugglan	FW	330	In service
4	Germany	9	EADS Deutschland	Ind	14	Barrakuda	FW	3250	Under development
	Germany		EADS Deutschland	Ind	15	Shark	RW	190	Dvpt discontinued?
	Germany	10	Imar Navigation	SME	16	IFF-4.5	RW	220	Under development
	Germany	11	Rheinmetall Defense Electronics	Ind	17	KZO	FW	161	In service
	Germany		Rheinmetall Defense Electronics	Ind	18	KZO EWSM	FW	161	Market ready
	Germany		Rheinmetall Defense Electronics	Ind	19	Tares (ex-Taifun)	FW	160	Under development
	Germany	12	Rheinmetall Defense Electronics & Diamond Aircraft (Airframe)	Ind	20	Opale	FW	1785	Market ready
5	Greece	13	EADS - 3 Sigma	Ind	21	Nearchos	FW	190	In service
6	International	14	AF UAV Research & Tech Centre, UAE & Schiebel, Austria	Rsch & SME	22	Al-Sber	RW	200	In service
	International	15	Composites Technology, Malaysia & BAE Systems, UK	Ind	23	Eagle 150	FW	648	In service
	International	16	EADS Defence & Security & IAI-Malat, Israel (airframe)	Ind	24	Eagle 1 (SIDM, Harfang)	FW	1200	In service
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7	International	17	EADS Defence & Security, France & EADS Deutschland, Germany & EADS CASA, Spain & EADS Astrium, France & Safran, France & Thales, France & Zodiac, France	Ind	25	Advanced UAV	FW	>150	Under development
	International	18	EuroHawk GmbH (EADS Deutschland, Germany & Northrop Grumman, USA)	Ind	26	EuroHawk	FW	14630	Ordered
	International	19	IAI-Malat, Israel & Sonaca, Belgium	Ind	27	Hunter B	FW	727	In service
	International	20	Neuron Consortium: - Dassault Aviation, France - Alenia Aeronautica, Italy - Saab, Sweden - EADS Casa, Spain - Hellenic Aerospace Industry, Greece - RUAG Aerospace, Switzerland	Ind	28	Neuron	FW	2270	Under development
	International	21	Politecnico Torino, Italy & Euro Consortium	Ind & Rsch	29	Heliplat	FW	7200	Under development
	International	22	RUAG Aerospace & IAI-Malat, Switzerland (airframe)	Ind	30	Ranger	FW	280	In service
	International	23	Sagem Défense Sécurité (Safran) & Stemme, Germany (airframe)	Ind & SME	31	Patroller	FW	980	Under development
	International	24	SDM Consortium: - Dassault Aviation, France - Indra, Spain - Thales, France - IAI-Malat, Israel (airframe)	Ind	32	SDM	FW	5080	Under development
	International	25	Selex Galileo, Italy & General Atomics-ASI, USA	Ind	33	Predator-IT	FW	1020	In service
	International	26	Teledyne Brown, USA & Rheinmetall DE, Germany	Ind	34	Prospector	FW	161,03	Dvpt discontinued?
	Italy	27	Alenia Aeronautica	Ind	35	BlackLynx	FW	3500	Under development
	Italy		Alenia Aeronautica	Ind	36	Sky-X	FW	1450	Under development
	Italy		Alenia Aeronautica	Ind	37	Sky-Y	FW	1200	Under development
	Italy	28	Alenia Aeronautica & Selex Galileo & Thales Alenia Space	Ind	38	Molynx	FW	3400	Under development
	Italy	29	CIRA	Ind	39	Castore	FW	>150	Under development
	Italy	30	International Aviation Supply	SME	40	Archimede	FW	650	Under development
	Italy		International Aviation Supply	SME	41	Raffaello	FW	180	Under development
	Italy		International Aviation Supply	SME	42	Sky Arrow U	FW	450	Under development
	Italy	31	Selex Galileo	Ind	43	Falco	FW	240 - 350	In service
	Italy		Selex Galileo	Ind	44	Falco Evo	FW	750	Market ready
	Portugal	32	IST & OGMA	Ind	45	Armor X7	FW	200	Under development
	Spain	33	EADS CASA	Ind	46	Atlante	FW	>150	Under development
	Spain	34	INTA	Rsch	47	Milano	FW	900	Under development
	Spain		INTA	Rsch	48	Siva	FW	300	In service
	Spain	35	PLATINO Consortium: 31 spanish companies incl.: - Aries Complex - ARESA - ACTA - CATEC - INTA - ISDEFE	SME & Ind & Rsch & Gvt	49	HADA	RW	380	Under development
	Sweden	36	Saab	Ind	50	Skeldar V-150	RW	200	Under development
	Sweden		Saab	Ind	51	Skeldar-M (V-250)	RW	250	Under development
	Switzerland	37	RUAG Aerospace	Ind	52	Super Ranger	FW	500	Dvpt discontinued?
	UK	38	BAE Systems	Ind	53	Corax	FW	>150	Under development
	UK		BAE Systems	Ind	54	Fury	FW	>150	Under development
	UK		BAE Systems	Ind	55	Herti-1B	FW	750	In service
	UK		BAE Systems	Ind	56	Herti-1D	FW	350	Under development
	UK		BAE Systems	Ind	57	ITAO	LtA	>150	Under development
	UK		BAE Systems	Ind	58	Taranis	FW	8000	Under development
	UK	39	BAE Systems & GE Aviation & Meggit & QinetiQ & Selex Galileo	Ind	59	Mantis	FW	>150	Under development
	UK	40	BAE Systems & Lindstrand Technologies (airship)	Ind	60	GA22	LtA	>150	Market ready
	UK	41	BAE Systems & Slingsby Aviation (aircraft)	Ind	61	Herti-1A	FW	500	Market ready
	UK	42	Falx Air	SME	62	Hybrid electric coaxial helicopter	RW	>150	Under development
	UK	43	Kestrel Aerospace	SME	63	Kestrel UAV	TR	295	Under development
	UK	44	Kestrel Aerospace	SME	64	Lancer	TR	>150	Under development
	UK		LM Consortium: - Blue Bear Systems Research - Cranfield Aerospace - Cranfield University - Lockheed Martin Insys - MBDA - Meggitt Defence	Ind & SME & Rsch	65	Fire Shadow	FW	200	Under development
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1	UK UK	45 46	- QinetiQ - Roxel - Selex Sensors + Airborne Systems - Selex Systems Integration - Thales - Ultra Electronics Merlin Integrated Solutions Consortium U-TACS Ltd [Thales, UK (49%) & Elbit Systems, Israel (51%)]	SME	66	Optica (BLAC airframe)	FW	1315	Dvpt discontinued?
			Warrior (Aero-Marine)						
	UK	47	NO LONGER IN PRODUCTION	Ind SME	67 68	WatchKeeper 450 Gull 68	FW FW	450 250	Ordered Under development
	France		Aeroart	SME	1	A100	FW	44	Ceased trading 2009
	France		Aeroart	SME	2	Aelius	FW	75	Ceased trading 2009
	France		Aeroart	SME	3	Aves	FW	24	Ceased trading 2009
	France		Aeroart	SME	4	Featherlite	FW	1,5	Ceased trading 2009
	France		Aeroart	SME	5	H250	FW	125	Ceased trading 2009
	France		Aeroart	SME	6	Plume	FW	<150	Ceased trading 2009
	France		Aeroart	SME	7	Seagos	FW	<150	Ceased trading 2009
	France		Aeroart & Mercury Computer	SME & Ind	8	Aelius 0	FW	75	Ceased trading 2009
	France		Aeroart & Mercury Computer	SME & Ind					
	France		Dassault Aviation & Aviation Design (airframe)	Ind & SME	9	Aelius 1	FW	20	Ceased trading 2009
	France		Dassault Aviation & Aviation Design (airframe)	Ind & SME					
	France		DSTU (Dassault Aviation & Sagem)	Ind	11	AVE D (Petit Duc)	FW	60	Proof-of-concept
	France		EADS Defence & Security	Ind	12	SlowFast UAV	FW	60	Project not pursued
	France		EADS Defence & Security (formerly CAC Systems)	Ind	13	EuroMALE	FW	>150	Project not pursued
	France		Gates Technology	SME	14	Fox MLCS AT2	FW	90	Ceased trading 2003
	France		Sagem Défense Sécurité (Safran) & Onéra, France & Stemme, Germany (airframe)	Ind & Rsch & SME	15	Air Catamaran	LtA	<150	Dvpt discontinued
	France		Sagem Défense Sécurité (Safran) & Meggit Defence Systems, UK (airframe)	Ind & SME					
	France		Sagem Défense Sécurité (Safran) & Meggit Defence Systems, UK (airframe)	Ind	16	Busard	FW	980	Project not pursued
	France		Sagem Défense Sécurité (Safran) & Meggit Defence Systems, UK (airframe)	Ind	17	Crecherelle	FW	145	No longer is service
	Germany		EADS Deutschland	Ind	18	Crecherelle EW	FW	145	No longer is service
	Germany		Rheinmetall Defense Electronics	Ind	19	D0-MAV	FW	0,5	Project not pursued
	Germany		Rheinmetall Defense Electronics	Ind	20	Fledermaus	FW	161	Project not pursued
	International		Airscan Consortium (EC funded)	Ind	21	Mücke	FW	168	Project not pursued
	International		CybAero, Sweden & NRL, USA	SME & Rsch	22	Aircan	LtA		Project not pursued
	International		EADS Defence & Security, France & EADS Deutschland, Germany & Bombardier, Canada	SME & Rsch					
	International		EADS Defence & Security, France & IAI-Malat, Israel (airframe)	Ind	23	APID Vantage	RW	160	Project not pursued
	International		EADS Defence & Security, France & Selex Galileo, Italy	Ind	24	CL-289	FW	240	Production discontinued
	International		EADS Defence & Security, France & Selex Galileo, Italy	Ind	25	Eagle 2	FW	3600	Project not pursued
	International		EADS Defence & Security, France & Selex Galileo, Italy	Ind	26	Carapas	FW	330	Project not pursued
	International		Sagem Défense Sécurité (Safran) & ST Aerospace, Singapore	Ind	27	Surveyor-600	FW	450	Project not pursued
	Italy		Selex Galileo	Ind	28	Fantail	RW	2,5	Project not pursued
	Italy		Selex Galileo	Ind	29	Mirach 150	FW	340	Production discontinued
	Italy		Selex Galileo	Ind	30	Mirach 26	FW	230	Production discontinued
	Netherlands		Dutch Space	Ind	31	Nibbio	FW	330	Production discontinued
	Netherlands		Geocopter (former E-Producties)	Ind	32	MATE	FW	6	Project not pursued
	Netherlands		Geocopter (former E-Producties)	SME	33	EKH-001	RW	35	Project not pursued
	Norway		Proxflyer	SME	34	Furure	RW	80	Project not pursued
	Norway		Proxflyer	SME	35	MicroFlyer	RW	0,0078	Project not pursued
	Norway		Proxflyer	SME	36	Mosquito	RW	0,11	Project not pursued
	Spain		Aitem	SME	37	Nanoflyer	RW	0,0027	Project not pursued
	Spain		Aitem	SME	38	Dedalo	FW	<150	Project not pursued
	Sweden		CybAero	SME	39	Horus	RW	<150	Project not pursued
	Sweden		Saab	SME	40	APID 55	RW	160	Production discontinued
	UK		BAE Systems & Flight Refuelling (airframe)	Ind	41	Filur	FW	55	Project not pursued
	UK		Flight Refuelling & Tasuma (Airframe)	Ind & SME	42	Phoenix	FW	180	Production discontinued
	UK		Flight Refuelling & Tasuma (Airframe)	Ind & SME					
	UK		Flight Refuelling & Tasuma (Airframe)	SME & Ind	43	Raven 1	FW	15	Project not pursued
	UK		Flight Refuelling & Tasuma (Airframe)	SME & Ind					
	UK		Meggit Defence Systems	Ind	44	Raven 2	FW	84	Project not pursued
	UK		Meggit Defence Systems	Ind	45	Phantom	FW	40	Project not pursued
	UK		QinetiQ & Cranfield Aerospace	Ind & SME	46	Spectre	FW	145	Project not pursued
	UK		QinetiQ & Cranfield Aerospace	Ind & SME					
	UK		QinetiQ & Cranfield Aerospace	Ind & SME	47	MinO	FW	10	Project not pursued
	UK		QinetiQ & Cranfield Aerospace	Ind & SME	48	Observer	FW	30	Project not pursued
MTOM (& ... - AC) SME Ind Converted aircraft = certified manned aircraft converted into UAS (not OPA) = Maximum Take-Off Mass = Airframe manufacturer = Small & Medium-sized Enterprise < 250 employees < Euro 50 million annual turnover = Industry > 250 employees > Euro 50 million annual turnover = Has ceased trading = Aircraft = Ducted Fan = Fan Wing = Flapping Wing = Fixed Wing = Fixed Wing Stub Wing = Fixed Wing Twin Engine = Inflatable Wing = Expendable = Lighter-than-Air (airship) OPA Prf RW RW-3x2CR RW-3R RW-4R RW-8R SRW LtA TB TR = Optionally Piloted Aircraft = Motorized Parafoil = Rotary Wing = Rotary Wing with 3 sets of 2 counter-rotating rotors = Rotary Wing with 3 rotors = Rotary Wing with 4 rotors = Rotary Wing with 8 rotors = Shrouded Rotary Wing = Lighter than Air = Tilt Body = Tilt Rotor									

CURRENT NON-MILITARY LIGHT UAS APPLICATIONS

The survey on non-military Light UAS applications conducted by UVS International and supplied to the European Commission, brought to light that a substantial number of non-military Light UAS applications were already taking place in a considerable number of countries. Herewith follows an overview of these applications.

Security-Related Applications

Border surveillance	IL, USA
Border surveillance (experimentation)	ES, IT, UK
Crowd surveillance	CH, CN, FR, ZA
(Forest) Fire fighting support	ES, HU, UK, US
International summit surveillance	CA, FR
Maritime & Sea lane surveillance	BE, ES
Natural disaster site surveillance	CN, IN, RU, US
Police applications	CA, DE, FR, NL, UK, ZA
Police (experimentation)	AT, AU, BE, CA, CH, CN, CZ, DE, ES, FR, IT, MY, NL, NO, SG, PT, SE, SI, ZA, UK
Regional surveillance	IL & Gaza & Occupied Territories
Road traffic surveillance	CH

Countries Where They Are Taking Place

Scientific & Research Applications

Aerial photogrammetry	BE, CH, DE, NL, UK
Agricultural monitoring	ES, UK, US
Antarctic research	UK
Arctic research	CA, DK, DE, NO, UK, US
ATM Research	DE, ES
Climate monitoring	NO
Coastal mapping	NL
Coastal zone studies	NL
Crop monitoring	US
Forestry management/research	SE
Geophysical survey	AU, BR
Glacier & ice cap monitoring	DK, NO
Iceberg monitoring	NO
Invasive species identification/analysis	US
Marine mammal monitoring	US
Meteorological research	DE, NO, US
Ocean & sea research support	NO
Plant growth vigour mapping	US
Salt water infiltration detection	NL
Vegetation identification	SE, US
Volcano monitoring	JP
UAS sensor research	CA, DE, ES, FR, NO, US
Wildlife census	CA, ES, US

Contractor Supplied Flight Services

Advertising (light-than-air UAS) (indoor & outdoor)	CH, FR
Aerial data collection	AU, AT, BE, CH, ES, IT, NL, SE, UK
Aerial photography & video	All indicated countries
Agricultural fertilizer dispensing	CN, JP, KR
Agricultural insecticide spraying	CN, JP, KR
Cinema (aerial shots & special effects)	Most indicated countries
Critical infrastructure inspection	FR, NL
Forest fire operations support	ES, US
Historical monument inspection	FR
Illegal cannabis cultivation detection	NL
Magnetic field survey	AU
Oil & gas pipeline monitoring	FR, RU
Terrain mapping	BE, DE, NL

Explanation of country abbreviations: AT (Austria), AU (Australia), BE (Belgium), BR (Brazil), CA (Canada), CH (Switzerland), CN (China), CZ (Czech Rep.), DE (Germany), DK (Denmark), ES (Spain), FR (France), HU (Hungary), IL (Israel), IN (India), IT (Italy), JP (Japan), KR (South Korea), MY (Malaysia), NL (Netherlands), NO (Norway), PT (Portugal), RU (Russian Fed.), SG (Singapore), SE (Sweden), SI (Slovenia), UK (United Kingdom), US (United States), ZA (South Africa)