



IN VICHY (France)

From July 10th to July 11th 2010



DESCRIPTION OF THE PROGRAM

In order to value the environmental efforts of the Microlight aviation in terms of consumption, sound and atmosphere pollution, the Microlight Eco Marathon Association is organizing, for its first edition on Vichy Charmeil Airport, on July 10th and 11th 2010, a prized competition, which aim is to reward the participants' ability to use minimum polluting energy, while pointing out the absence of noise emission.

On the fringe of this competition, the new energy sources

The "Energetic Bunch for the Future" and its various applications will be performed, explained and demonstrated.

The forerunning aeronautical challenges that feed our dreams and confirm our interest for alternate energies as



Solar Impulse



Sunseeker



Sunship



Boeing HydroCell

And so many brilliant others.....

musn' t make anyone forget that the Microlight aviation already uses daily alternative technologies, as:



Electraflyer: two seats E. Microlight



Skyspark : E. Microlight- 200km/h

Pipistrel : E. Microlight Motogliders



Electravia E. Pendular.



Yuneec: E. Pendular



Thevenot: Hydrogen Pendular



Helix : E. Paramotor



THE EVENT

Each year, and this year for the first time on July 10th and July 11th, will be organized the Microlight (U.L.M.) Eco Marathon as the exhibition of motive energies.

The Competition

- The objective is to fly the longest distance using as little energy as possible on board of a single or double seat Microlight aircraft.
- All the Microlight aircrafts allowed on the French list are permitted: paramotor, pendular, multiaxe, autogyre, dirigeable.



Paramoteur



Pendulaire



Multiaxe



Autogyre



Dirigeable

- The aircrafts will be permitted to use one of the following energies: unloaded 95, liquefied gas (GPL), liquid gas (100% GTL), hydrogen, pressured air, solar energy, electricity (batteries), bio-energies, hybrid technologies.

A compulsory flight at a constant altitude will have to be covered three times in two sets taking place on Saturday and Sunday

The checking will be proceeded by the FFPULM with onboard GPS

- *Back to ground the energy consumption will be measured in order to decide between the competitors*

The aim is:

- To encourage and stimulate innovation and ideas for energy saving, and the future of flying leasures.
- To help the technical education system with engaging staffs able to teach professional techniques.
- To promote technical careers among youngsters.

The MOTIVE ENERGY EXHIBITION

This fun flying competition will give the visitors an opportunity to discover a panel of new technologies as well as their various applications displayed through the stands of the Energy Exhibition.

In these spaces, ingenious handy-men, students in technical tuition, as well as major actors developing these new energies and their applications, will explain their technical choices for aircrafts (electricity, hydrogen, or fuel cell), for terrestrial vehicles (electricity, hydrogen, bio-energies). The wind and solar power production will also be represented.

The audience will be explained and demonstrated the “Energetic Bunch of Tomorrow”



PROGRAM

Friday, July 9th

08h00 - 18h00	Exhibitors setting
08h00 - 10h00	Competitors registration
10h00 - 16h00	Technical checking of the aircrafts
12h00 - 12h30	Pilots briefing
12h30 - 13h00	Press point
12h30 - 14h30	Free test flights
15h00 - 20h00	Recorded test flights
15h00 - 20h00	Sound measures for the « Silent Propeller Prize »
20h00 -	First results, pilots meeting
20h00 - 21h00	Welcome drink. Opening

Saturday, July 10th

6-7 h	Free flight
7-12 h	Flight over the pattern, 1 st set Enclosing Measurement of consumption
12-15 h	Performing and initiating flights
15-20h	Flight over the pattern, 2 nd set Enclosing Measurement of consumption
20h30	First set podium « Silent Propeller Prizes » delivery Drinks, entertainments

Sunday, July 11th

8-9 h	Free flight
9 h	Opening to the public
9-16 h	Entertainments, aerial performance
14 h	Press conference
15 h	Official visit of the stands
16 h - 16h30	Microlight Eco Marathon Prizes, Co2 and Consumption Cups delivery
16h30 - 18h00	Closing Performance and Show of the first edition

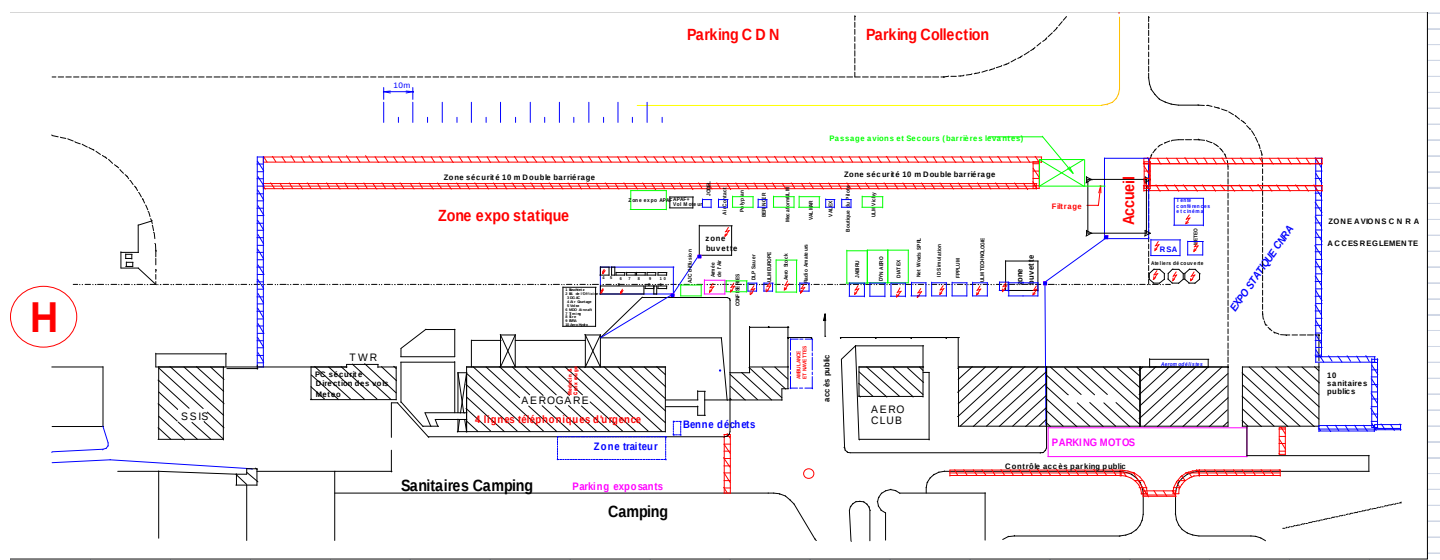




Map of the site: Exhibitors area and Entertainments

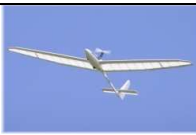
On the run of these two days, in fringe of the competition, the public will be able to discover information and demonstrations on the described topics through the numerous Exhibiting stands.

Map of the Site of Vichy-Charmeil -LFLV



Exhibitors* and entertainments

*potential

Flying Stock	Exhibited Stock	Description	Présentation
www.aerola.com.ua	 Alatus	Single seat electrical motor glider from Ukrainia	Competitor
www.airstar-light.com	 Elliptoplume	Colibri / Electrical Feather-weight Dirigibles ...	Flight
Aéroplume www.aeroplume.com	 Dirigeable Musculaire	Men and wings	Flight
APAME www.apame.eu		Electricity motorized Aircraft Promotion Association	On earth and in flight
ELECTRAVIA www.electravia.fr		Light planes and silent electrical Microlight aircrafts manufacturers	Competitor Electrical pendular
Flyingmachines www.flyingmachines.fr	ULM multiaxe et Pendulaire 	Extremely light performing Microlight aircrafts (World Speed Champion IAF) ...so promoting an alternative motorisation	On earth and in flight
www.flycocoon.com		Auxilliary motor for paragliding	On earth and in flight
www.helix-propeller.de	 aramoteur	E. paramotor	Competitor Paramotor
www.hydrogen-flyingtour.org/	 Pendulaire Hydrogène	In 2009 G Thevenot has crossed the Channel on board this hydrogen propulsed pendular	Competitor Pendular Hydrogen and fuel cell
www.lisa-airplanes.com		2 seats electrical Hi-Bird	Static



Exhibitors flying stocks *potentiels	Exhibited Stock	Description	Présentation
www.pipistrel.si	 Taurus e	Electrical Microlight moto-glider	On earth and in flight
www.projetsolr.com	 Nephelios	Electrical dirigible created by students of various Schools and Universities	Mock-up and didactics on earth
www.protoplane.net	 Ultra-e	Electrical two seats Microlight	Static
www.razeebuss.com		Electrical engine for paragliding	Compétiteur Electrical paramotor
www.silentfamily.de		Careened pendulars with stunning aerodynamic performances	Competitor Pendular
www.skycarexpedition.com		Bio-power flying car (paragliding) Flew from London to Tombouctou in 2009	Static
www.skyspark.eu		Skyspark - Pioneer 300 Électrical fast Microlight with retractable under- carriage	Flight
www.voliris.com		Hydrogen propelled dirigible	Flight
www.woopy-fly.com		Electrical Pendular with inflatable wing	Competitor Electrical Pendular
yuneccouk.site.securepod.com		Beautiful Electrical Microlights manufacturer	Competitor Electrical multiaxial paramotor



Exhibitors (potential) « Motive Energies Exhibition »	The “Energetic Bunch for Tomorrow” industrialists	Description	Présentation
 www.shell.com	Bio energies..... Produits Shell Naturelle	General information about sustainable development, its actors, its evolutions, its tendencies and Shell's progresses	Didactics Conference
 www.total.com	Bio Energies	 The envolvment of Total in sustainable and responsible development -Planet Energy -Total Foundation	Didactics Conference
 www.bp.com		The energetic mix by B.P.	Didactics Conference
www.bioethanolcarburant.com		The French bioethanol confirmed as a renewable and durable energy	Didactics Conference
 www.edf.fr		The French Electricity Board 's engagements for a durable development	Didactics Conference
www.abowind.com		One of the European wind-power leaders	Didactics Conference
www.weole-energy.com	 Wind power for everyone	French manufacturer of small and medium wind power machines	Didactics Conference
www.enr.fr		Renewable energies Syndicate	
www.airliquide.com		The world leader in gas, for industry, health and environment.	Didactics Conference



Potential exhibitors « Motive Energies Exhibition »	Exhibition of available vehicles using low polluting power	Description	Présentation
www.automobiles-ligier.com	 	Ligier has been a forerunner in city EVs...already 20 years ago ...	Static and dynamic trials
 www.bmw.fr		The first available car using hydrogen	Static and dynamic trials
www.eco-mobilite.com		Fresh French firm specialized in the conception, realization and sale of EVs.	Static and dynamic trials
www.matra-ms.com		Matra is an inventor for electrical proximity transports	Static and dynamic trials
www.michelin.com		Bibendum 's contribution in the mobility progress	Presentation Bibendum Challenge
www.motorstock.fr		Scooters & E. bikes	Static and dynamic trials
 www.mdi.lu		Guy Nègre's French compressed air engine, and its various applications ...city vehicles,..airplanes...	Static and dynamic trials
www.revafrance.fr		City EVs available in France	Static and dynamic trials
www.teslamotors.com		U.S.A. made performing sports car Commercialized in Monaco	Static and Dynamic Trials



Potential Exhibitors " Motive Energies Exhibition »	Research/ Universities and schools projects	Description	Présentation
www.ifma.fr		IFMA - French Institute for Advanced Mechanics - École d'ingénieur - Clermont- Ferrand - Auvergne	Projects Mock-ups
www.ipsa.fr	Aeronautical Ingeneery		Projects Mock-ups
www.ensma.fr	Aeronautical Ingeneery		Projects Mock-ups
www.estaca.fr	Aeronautical Ingeneery		Projects Mock-ups
www.isae.fr	Aeronautical Ingeneery		Projects Mock-ups
www.enac.fr	Aeronautical Ingeneery		Projects Mock-ups
www.sti.cnam.fr			Projects Mock-ups
Lycée Vichy	Aeronautic Initiation Certificicate	Presentation of the school program by the students	
Collège			



Potential Exhibitors " Motive Energies Exhibition »	Associations - Fédérations & Institutionnels	Description	Présentation
FFPLUM www.ffplum.com		The French Microlight Federation 13.000 adherents , the most important in Europe	All the kinds of Microlights, the Certificates... Control of the competition
DGAC www.dgac.fr		The Civil Aviation Board	Didactic Its part at the service of Aviation and environnement
www.meteofrance.com		Rain and sun...	Didactic The weather forecast for everyone
www.ville-vichy.fr/		That's where this takes place... And more... a beautifull dynamic town...	
www.agglo-vichyvaldallier.fr		Dynamic Agency for the economical development of the district Vichy Val d'Allier	
www.allier.fr			
www.auvergne.eu	Auvergne Regional Council		
www.ademe.fr/auvergne		Environment and Energy saving Agency	
APAME www.apame.eu		E. Aircrafts Promotion Agency	Didactic
VICHY Microlights		Microlight School in Vichy	
All the BENEFACTORS	Without whom ...all that would have been impossible		



The MEDIA	Without which you wouldn't know... that this takes place!		
www.vol-moteur.fr		Microlight news in Germany, Belgium, the Netherlands, Luxemburg, Czechoslovakia-	
www.volez.com			
www.air-contact.com			
www.lamontagne.fr		The Allier Daily newspaper	
www.lasemainedelallier.fr		The Allier weekly newspaper	
radiofrance.fr/chaines/france-bleu/		The Radio	
www.rhone-alpes-auvergne.france3.fr/		The TV	

