



From automobile to eco-mobility

A stake for the future, a collective challenge, an educational project:



“Cover 8 laps (10.6 miles) in a given time consuming
as few energy as possible”

www.ecomotionteam.org/blog

A PROJECT, A TEAM, A RECOGNIZED EXPERTISE

ECO MOTION TEAM *by* ESSTIN

ESSTIN, (Ecole Supérieure des Sciences et Technologies de l'Ingénieur de Nancy) is a french engineering school part of the University of Lorraine, which has been involved in the development of clean vehicles for 17 years. This year Eco Motion Team *by* ESSTIN is composed of 23 students helped by teachers, engineers and technicians. The whole team works out to build an innovative prototype which is both ecological and economical.

OUR LATEST VEHICLE : Vir'Volt



Vir'Volt will be our vehicle this year, it has been constantly improved since its creation in 2010-2011. Every year this prototype is studied by the new team before improvements to get better performance and results.

This vehicle is competing in the electric battery category, and two years ago, the team added solar panels allowing us to establish a new record!

This year, Eco Motion Team *by* ESSTIN will be in London from June 30th to July 3rd to take part to the Shell Eco-marathon Europe.

RESULTS

OUR PRIZE LIST :

Year	Category - Vehicle	Performances	Track
2010	Prototype - <i>HydrogESSTINE</i> v4.4	5 th in Hydrogen category (2379 km/L) 3rd Safety award	<i>Shell Eco-marathon</i> Lausitz (DE)
2011	Prototype - Vir'Volt	2 nd in Electric mobility category (532 km/kWh) 6th in the overall standings	<i>Shell Eco-marathon</i> Lausitz (DE)
2012	Prototype - Vir'Volt	8 th in Electric mobility category (440.5 km/kWh) 1st of french participants	<i>Shell Eco-marathon</i> Rotterdam (NL)
2013	Prototype - Vir'Volt	6 th in Electric battery and solar energy (638 km/kWh) 2nd Safety award	<i>Shell Eco-marathon</i> Rotterdam (NL)
2014	Prototype - Vir'Volt	10 th in category Battery + Solar (533.6km/kWh) 1st Price of Safety	<i>Shell Eco-marathon</i> Rotterdam (NL)
2015	Prototype - Vir'Volt	9 th in category Battery + Solar (495.8km/kWh)	<i>Shell Eco-marathon</i> Rotterdam (NL)

A VARIETY OF PROJECTS

This year there are around ten sub-projects in the team, covering electronic, mechanic and communication, all this domains need to be studied and improved to realize a better performance than last years. This diversity allows students to discover new fields. Moreover, this helps keeping an open mind and constantly innovating with new solutions of clean energies. The students are also in touch with many companies which is important in order to find an internship and a future job...

The team also has for an objective since 2 years to develop the next vehicle. This conception is being made while team is improving Vir' Volt's performances. This is the reason the team is taking up two challenges in the same time.



OUR PARTNERS

Many partners support the Eco Motion Team *by* ESSTIN :



WANT TO CONTACT US?

Check out our blog: www.ecomotionteam.org/blog

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