

PRESS RELEASE

YAP|ENERGY

A patented innovation developed by



PRESS CONTACT

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Established in **2008** and generating a consolidated turnover of **47.5 million euros**, **Groupe Solution Énergie** is an **innovative** company in the **renewable energy market** for the French residential sector.

Building on its innovations and roll out in more than **20 countries**, **Groupe Solution Énergie** forecasts **15% growth in 2016** and plans to continue the expansion of its **B2B networks internationally**, especially with its systems, **GSE Integration** and **GSE Air'System**.

GSE IN-ROOF SYSTEM™



GSE AIR'SYSTEM™



GSE GROUND SYSTEM™



GSE THERMO'SYSTEM™

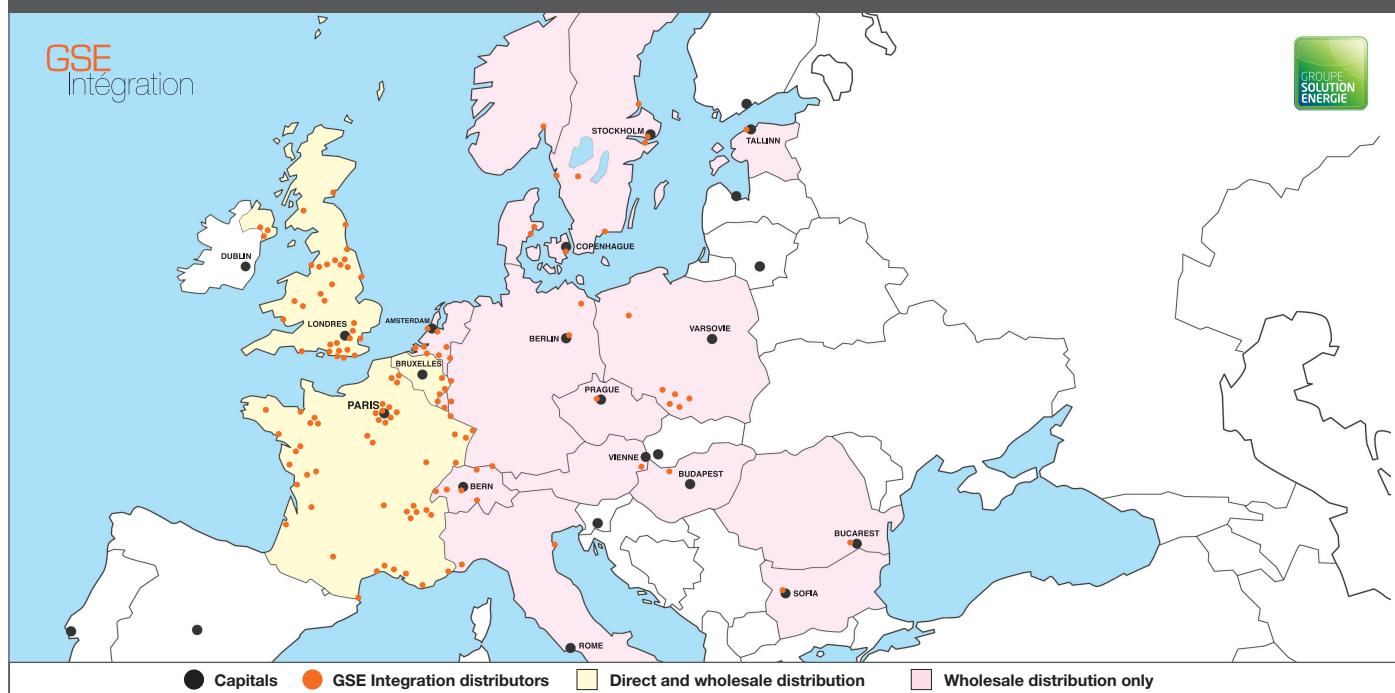


On the eve of **grid parity** and **energy independence**, the group is extending its **B2C direct sales activities** in **Belgium** and the **UK** and plans to expand this activity in some **10 European countries**.

In 20 years, all houses will produce their own energy to become 100% self-sufficient and will only be connected to the grid for back-up reasons!

With a **12% share of the French residential market**, the Group is composed of several specialized renewable energy companies, which makes it **the top network installing energy saving and production solutions**.

GROUPESOLUTION ÉNERGIE IS PRESENT THROUGHOUT EUROPE

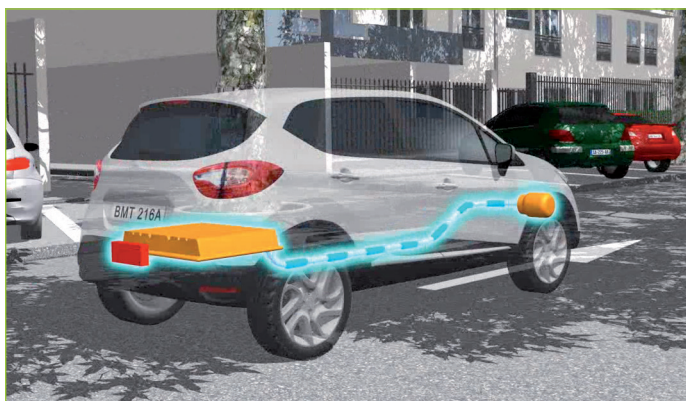


PRODUCE 38% OF THE SPECIFIC ELECTRICITY NEEDS FOR YOUR HOME THANKS TO YOUR CAR.

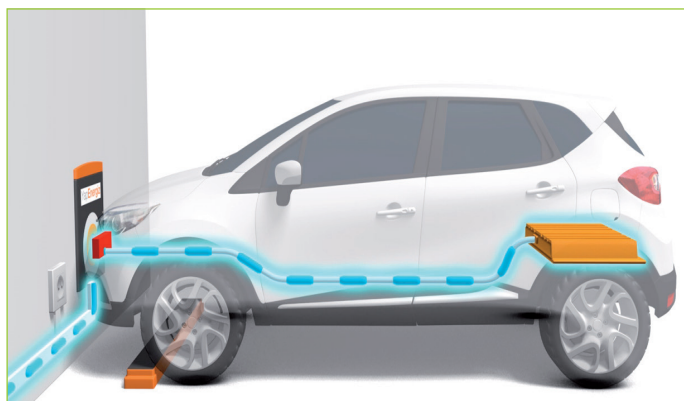
What could seem like utopia is today becoming a reality. The **YAP ENERGY** system being developed by **Groupe Solution Energie** recovers the inertial and residual energy coming from the alternator, and from braking and deceleration.

This revolutionary process concerns millions of vehicles running everyday worldwide. The electricity produced **freely** by cars has been wasted until now.

Using the **YAP ENERGY** system this electricity is, now, **stored in batteries**, ready to be injected to satisfy the electricity needs of your home.



When driving, produce and store your energy for free.



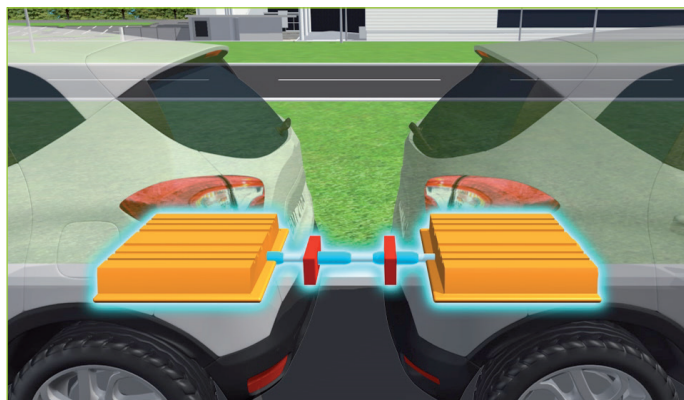
Inject the energy stored during the day into your home.

You can earn money with the system **by selling on this electricity to other vehicles**, at a **charging point in a public or company car park** by means of induction transfer. For drivers living in flats, it will also be possible to **inject or resell this electricity**.

The system can satisfy 38% of the specific electricity needs of a house.



Resell your energy through a charging terminal at any parking lot.



Sell your energy to another owner of the same concept and generate a profit to help your annual energy bills, or other expenses.

It is estimated that all the vehicles circulating, in France, could produce the equivalent of **35 tWh a year**, that is equivalent to the annual production of some **5 nuclear power plants**.

This is the new **YAP ENERGY** patent that **Groupe Solution Energie** is developing while waiting for the large-scale replacement of the many NA engine vehicles worldwide with electric ones.

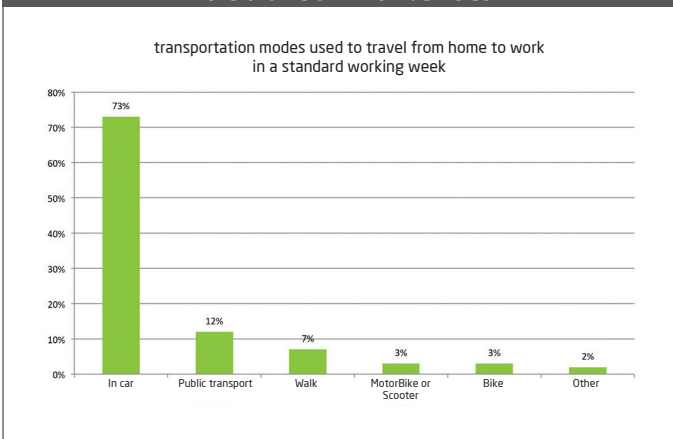
3 TYPES OF ENERGY LOSS

↓
Through braking

↓
Deceleration

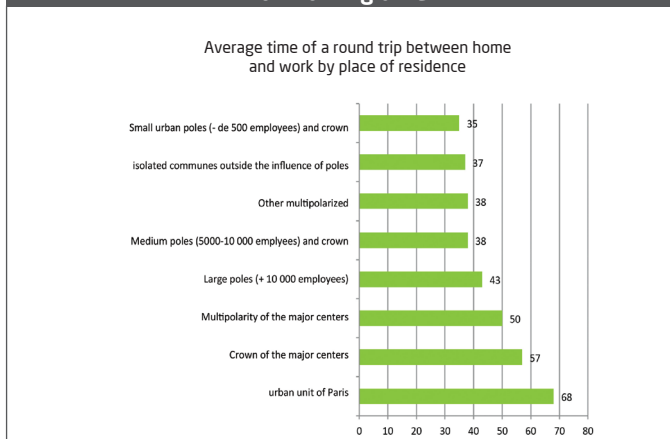
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At alternator level

More than 70% of the French population travels to work by car, More than 30 million vehicles



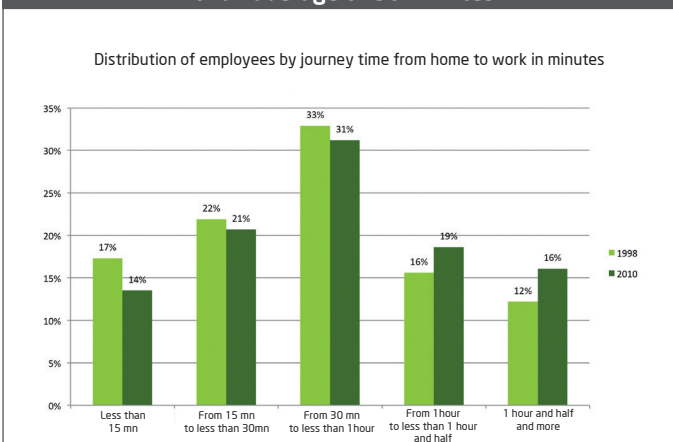
Source : Dares / Insee

Travel time is strongly linked to the organization of working time



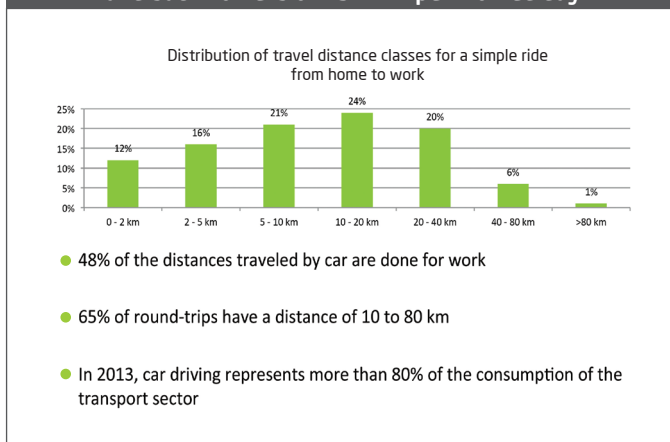
Source : Insee, enquête Emploi du temps 2009-2010

In France, a journey to work and back home counts for an average of 50 minutes



Source : Dares

The average driven distance to work and back home is of 29.4 km per worked day



Source : ENT D 2008, calculs DIGITM

CHALLENGE ON THE SCALE OF FRANCE

PRIVATE VEHICLES



22.90 TWh of yearly lost energy

LIGHT UTILITY VEHICLES



5,39 TWh of yearly lost energy

HEAVY VEHICLES



7,20 TWh of yearly lost energy

Total = 35,49 TWh of yearly lost energy
The equivalent of 4.94 reactors

Source : Insee

YAPENERGY CONCEPT DEMONSTRATION VIDEO



<https://youtu.be/vQgqNcc1rNo>

OUR YOUTUBE CHANNELS

GSE INTÉGRATION :

<https://www.youtube.com/c/Gseintegration7>

GROUPE SOLUTION ÉNERGIE :

<https://www.youtube.com/channel/UCsLOPx03AIA4UDdPPddMKsA>

OUR WEBSITES

- www.yapenergy.com
- www.segroup.fr
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