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at the outskirts of Julian Alps

By Andrej Pečjak

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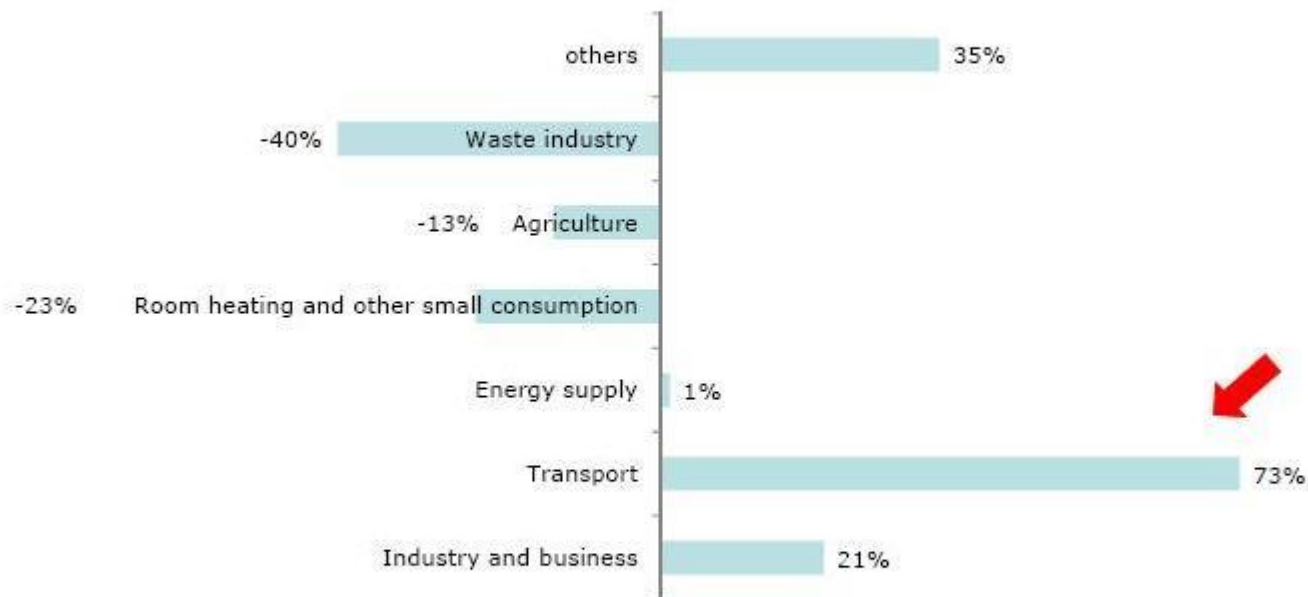


How to be completely self sustainable?



How to lower our CO2 footprint?

Change in GHG – Emmissions 1990 - 2007



Source: Umweltbundesamt, Daten 2008.

First step – change ourselves

Our first PV powerplant at 1989



Bigger one with sun trackers 2009



We were researching and making biofuels in 2000-2003



First real electric car charged by PV - 2007



Sports car "Bolt"

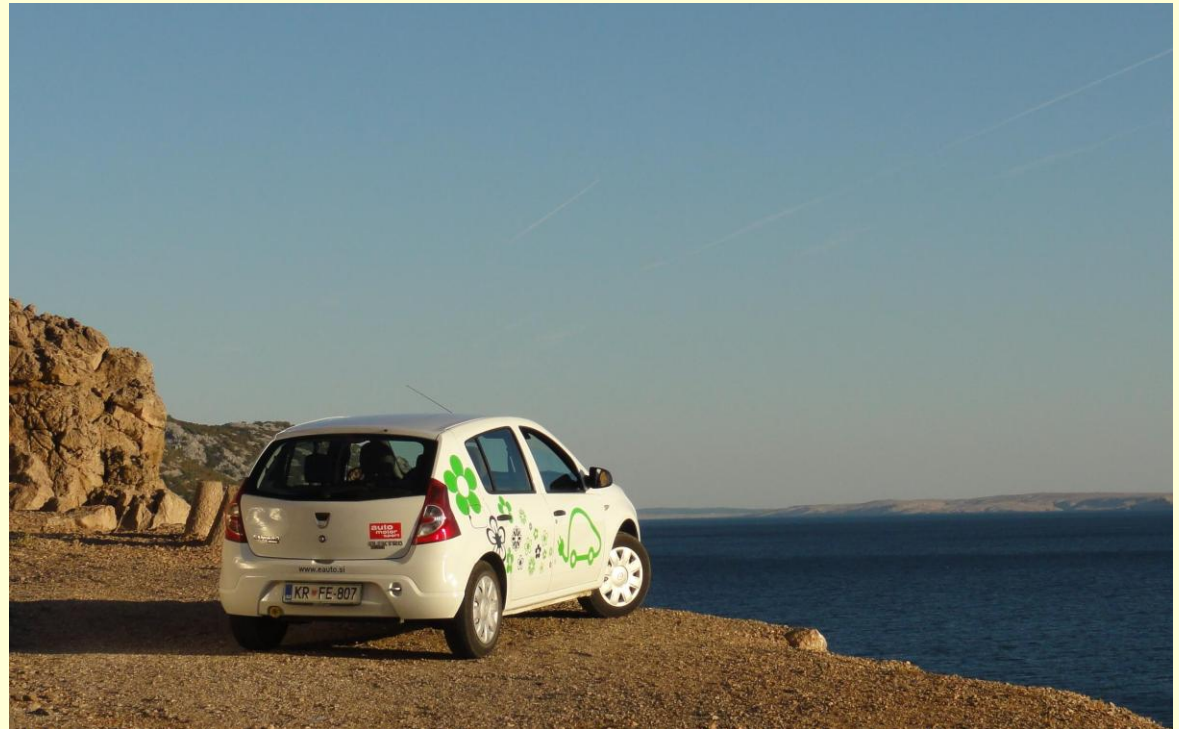


We shared our knowledge by
forming an institute



We converted a Dacia Sandero to show it is possible to use electric cars as family transport for long distance

- 130 km/h
- 400 km range
- 260 kg LiPo batteries
- 1200 kg weight



**Driving from Bled to Zadar without charging
391 km (october 2011)**

Rallye Monte Carlo for alternative energies 2013 – 1st place



How to make low cost electric cars - Piki cars



Future projects – pushing the limits

Metron 7 family car

- 700 km range (at 70 km/h)
- 87 kWh battery pack max. 490 kg
- 150 km/h continuous speed
- 22 kW 3 phase charging
- 7 passengers
- 1500 kg empty weight

Solution? – change our mind !





Many people wait for the governments to act. But they will not act – it is like wolves solving the problem of slaughtering the sheep... They are like policemen and thieves being the same persons...

They are the captains who drive the fleet in the wrong direction – so WE must act.

- In conclusion – saving the environment is not my hobby, it is my passion**