



## Our profession

The Federal Association of Solar Mobility (BSM) has been supporting environment-friendly transport systems by land, water and air since 1989.

A sustainable and post-fossil mobility can only be created on a solar basis. Its characteristics are low energy consumption, no emission of pollutants, no noise nuisance and the use of renewable energies.

To achieve this goal the BSM cooperates with numerous umbrella organizations in the field of renewable energies, such as the photovoltaic and wind energy associations. By collaborating with the "National Platform Electro Mobility", the BSM influences the preparation of political decisions. Many positions of the BSM are well-recognized by now.

In different working groups the BSM creates pioneering strategies that are discussed and refined in professional forums. The association's presence on fairs and conferences as well as its website, is being used in order to reach the public and especially the decision makers in politics and business.

Therefore the activity of the BSM contributes significantly to the introduction of new and post-fossil mobility concepts and traffic structures as well as to a necessary infrastructure for an emission free, sustainable mobility.



Become a member  
and support us!



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Support us and become a member of the BSM, the association for the mobility of the future. Benefit from the know-how the BSM offers.

You can apply for membership online: [www.bsm-ev.de/verband](http://www.bsm-ev.de/verband). As a member you will receive up-to-date information as well as our magazine "EMobile plus solar".

Beside that you can find information provided by the BSM, competent reports and important comments on the website [www.bsm-ev.de](http://www.bsm-ev.de). In addition, you can get more information about current news and events on [www.solarmobil.net](http://www.solarmobil.net)



Advancing into future -  
Electric Mobility



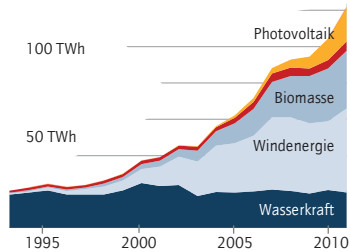


## Unlimited Energy

After the "Energiewende" – Germany's opting out of nuclear energy, decided in 2011 – the proportion of renewable energy on the overall electricity supply will rise. Regenerative resources already

cover a fifth of the gross electricity consumption. By implementing of more efficient technology the overall electricity demand will be reduced, so that the provision of electricity can be ensured without nuclear or fossil power plants.

(Source Graph: BMU/AEEG, March 2012)



## Our vision: sun instead of oil

The transformation from fossil mobility towards a sustainable solar mobility is imperative due to the following reasons:

1. The foreseeable shortage of oil resources (peak oil) will put an end to the age of cheap oil
2. A perceptible climate change can only be stopped by the reduction of fossil energy consumption
3. Individual mobility as an important demand can only be realized, if it is solely based on regenerative sources of energy.

## Efficient Electric Eco-power

The federal association of solar mobility heads for the goal of a post-fossil mobility by the usage of certain transportation vehicles.

Bicycles and Pedelects (E-Bikes) as well as public transportation systems

Energy saving, light electric vehicles with environment friendly electricity power generated by additional renewable energies

Car sharing and intermodular concepts of mobility

Alternative engine units powered by solar hydrogen, e.g. fuel cells.

The proportion of CO2 emission caused by traffic can be significantly reduced by using electric vehicles that are powered by solar energy.

Having one million electric vehicles on the road by 2020 is a first step. The BSM expects the Federal Government to pursue this goal more consequentially. In order to achieve this, more charging stations must be installed nationwide. Furthermore a "quota law" (CleanAir-Act) for emission free vehicles should be introduced.



## Enforcing electric mobility

The BSM has developed a comprehensive strategy for the introduction of pure zero-emissions-vehicles (electric cars with batteries and/or hydrogen storage as well as plug-in hybrids). The respective measures can be realized nationwide on a short term basis and with minor investments.

### Funding intelligent charging technology

The BSM presented together with other associations a decisive concept that simplifies the absolutely necessary integration of electric vehicles into the smart grid. According to this concept called "I.D.E.E.", intelligent charging systems are promoted that consider the requirements of users, batteries and the power supply system and allow to "feed-in" back to the grid.

### „Zero-Emission“-badge

Registered zero-emission vehicles should be a separate group of pollutants within the „Fine-Dust-Directive“. The „zero-emissions“ badge should allow you free parking.

### Labeling of parking lots as charging spots

In large car parks and garages especially labelled and reserved parking lots with exclusive charging infrastructure may be installed simply and fast.

### Charging stations as grid expansion

The construction of charging stations and the network expansion should be anchored in the Energiewirtschaftsgesetz (Energy Management Act) in order to ensure standardized design and local requirements planning.

### Individual CO<sub>2</sub>-vehicle tax

The BSM suggest an individual CO<sub>2</sub> taxation which grants a tax reward for car owners who for example use certified eco-power.

