

**Non-polluting electric vehicles
powered by renewable energy.**

**NOBIL's charging stations are paving the
way for cities free of noise and fumes.**



Clean and electric

We are facing a technological shift because we want change:

- Cutting of CO₂ emissions to curb climate change.
- Avoiding the injurious health effects of air and noise pollution caused by steadily increasing levels of traffic in our cities.
- Phasing in of electric vehicles (EVs) to achieve greater energy efficiency and to increase the use of renewable energy.

There are great challenges to be met. One of the key measures is providing an adequate charging infrastructure for energy-efficient, emission-free EVs. Access to charging stations can compensate for the shorter driving distance, allowing many more of us to choose non-polluting EVs.

Charging station networks

There are two major development programmes for charging stations in Norway:

- In 2009 and 2010, Transnova has financed the construction of nearly 2,000 charging points throughout the country.
- The city of Oslo is building 400 charging points over the course of just a few years, consolidating its position as EV capital of the world.

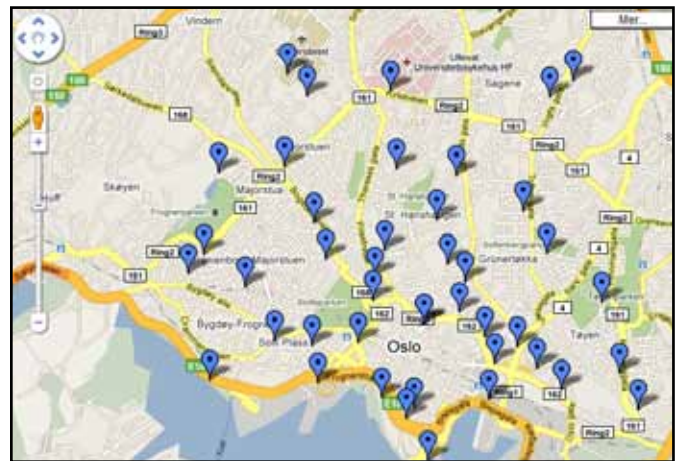
These two development programmes, supplemented by a number of smaller contracts, mean that Norway will have considerably more than 2,500 charging points by the end of 2010.

NOBIL

The NOBIL database was established to follow up these developments. Norstart (the Norwegian Electric Vehicle Association) is collaborating with ladestasjoner.no, on behalf Transnova, to collect complete information about charging stations in Norway in a single database. Key data, including practical and technical information, accessibility for users, financing, map coordinates, and pictures, will be available for the general public and for planners. The database will be continuously expanded as new charging stations are built. EV users will help keep the information that is posted up to date.

NOBIL – helping you locate charging stations

NOBIL is an open, national database for registering and reporting information about charging stations. The data are available free of charge and can be used by anyone wanting to create useful tools for owners of chargeable vehicles. The map applications are fully integrated and the information is real-time data, adapted for the many electronic devices most people use.



The charging stations are indicated on the map. Click for more information. www.ladestasjoner.no

When NOBIL was officially launched June 2010, mobile and web services have been made available for:

- Internet
- Most types of mobile phones with map applications
- GPS car navigation software

These programmes are being developed by NOBIL in collaboration with partners who want to promote information about charging stations. More developers are expected to grasp this opportunity, creating a healthy competition.

NOBIL – The future is here

NOBIL will in the future make it possible with direct communication between the charging stations and the database, so that you can reserve a charging point when you drive into a city or village in Norway. Not only does this service help you to find your way to the charging station. You are also guaranteed that you can charge your EV while it is parked. This will pave the way for even more people to choose the electric option.



NOBIL – part of a clean evolution

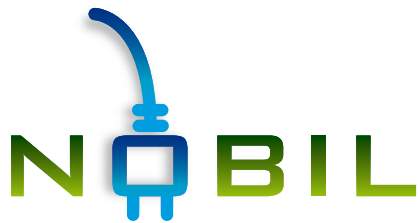
Electrification of road transport is a sign that we are leaving the oil age and heading into an era in which renewable energy sources will transform our cars into «perpetual motion machines», powered by the wind that blows, the rivers that run, the sun that shines and the waves that beat against our shores. Our cities will be alive, free of noise and fumes.

Norstart has already received guarantees that sufficient electricity from renewable sources will be available for all future EVs in Norway. This makes the Norwegian electrification of road transport a completely clean “well-to-wheel” value chain.

Norway is the country with the greatest number of EVs in relation to its population. Using renewable energy to charge them puts us in the lead environmentally. Norway currently has the most extensive infrastructure of charging stations, as well. And through NOBIL, we are leading the field in documentation and information about these charging stations.

While visions can be created by politicians, we must all be involved in realising them. A technological shift requires concerted effort on many fronts. NOBIL gives you the opportunity to contribute.

The latest updates on how to access information about charging stations from NOBIL are available at nobil.no and elbil.no.



NOBIL is the result of collaboration between Transnova and Norstart.

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