

# A FOSSILE FREE TRANSPORT CORRIDOR **GREEN HIGHWAY**

*Across a renewable energy belt in Scandinavia, promoted by the cities of Sundsvall, Östersund and Trondheim.*



**A** thousand-year-old trading and pilgrimage route crosses Scandinavia, connecting the Atlantic with the Baltic coast a region with huge reserves of renewable energy, such as biomass and electricity from wind and hydro-power. The three cities Sundsvall, Östersund and Trondheim (SÖT) work in collaboration with energy companies in Sweden and Norway to create a Green Highway along this 450 km route. Green Highway is a venture to create sustainable growth via a fossil free transport corridor along a renewable energy belt. This includes investments in electric vehicles (EV's), charging infrastructure, renewable fuels, testing and development, as well as building up business opportunities and spreading knowledge of this.

**GREEN HIGHWAY** creates changes others only talk about; through the SÖT-collaboration, political commitment, extensive cooperation between public and private partners, and a proven ability to effectuate projects. From coast to coast charging stations and filling stations for biofuels are established. It is now possible for EV drivers to charge the batteries along the entire highway at ten charging stations situated at the maximum 90 km apart. Östersund and Sundsvall have biogas pumps, and 20 filling stations along the route sell ethanol. 100% biodiesel is available at several locations.

Information, communication and exchange of competence about biofuels, electric mobility and sustainable transports between Norway and Sweden, and between public and private sector, is a central topic. A list of 100 points has been compiled, showing the process and the concrete initiatives and measures that have been carried out.

The Green Highway region covers considerable R&D activities, industrial establishments, and technology development connected to transport systems and energy production. There are a number of good examples of climate-smart transport, renewable energy sources and efficiency measures that provide environmental as well as economic benefits.

**IN THE CITY** of Sundsvall biogas for vehicles are produced by world unique cryogenic technology, and intelligent charging posts and payment systems are developed. A multimodal logistic center is combining road, train and sea transport in a climate smart, energy- and cost efficient way.

In the city of Östersund 260 vehicles run on locally produced biogas. All the city buses run on

biofuels: Ethanol, biogas and biodiesel. EV's and biofuel buses are tested in winter climate and in all four seasons. An electrical snowmobile is produced. Electrical bicycles replace car driving in the municipal organization. Östersund have been selected as the best climate municipality in Sweden.

In the city of Trondheim, nearly 130 EV charging points are built, for a total fleet of more than 120 EV's; EV projects also comprising an electrical shuttle bus and two EV taxis. 80 city buses will within shortly run on biogas; others possibly on 100% biodiesel. Trondheim, with the world's first bicycle lift, will invest €100.000.000 in bicycle roads etc. within the next 10 years.

**A MASTERPLAN** is now produced as a platform for the next step for Green Highway, to become a fossil fuel free region.

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Jämkrafts quick charger in Östersund, the first Chademo quick charger in north Europe.

