Project description Hydrogen Busses Slagelse

Introduction

Renewable energy is the energy of the future. No single technology can replace fossil fuels but the interaction between innovative and renewable technologies makes the transition to a fossil free society possible. The implementation of renewable solutions will be beneficial to the environment and at the same time holds great socio-economic potential.

In establishing Energipark Korsør, where the interaction between various forms of renewable energy receives a boost, Korsør and the Municipality of Slagelse can build a bridge to the energy source of the future.

The situation

Korsør has always enjoyed a very central position. As part of the main thoroughfare from East to West, Korsør could not be bypassed.

The ambition is now to make the Municipality of Slagelse, including Korsør, into such an attractive place in relation to the implementation and development of innovative sustainable energy, environmental and climate solutions that you will not be able to bypass Korsør.

The establishment of the private vehicles hydrogen station and the rolling out of hydrogen powered cars in the Municipality of Slagelse was the first phase of the plan.

Next phase is the establishment of Energipark Korsør, where sustainable technology in the production of hydrogen will form part of a natural partnership with SK Utility's new straw fired heating plant and the newest wind technology in the shape of Invelox from the American company Sheerwind.

Hydrogen production

The point of departure for Energipark Korsør is the ambition to produce cheap, green hydrogen in Denmark. Since the beginning of 2014 work has been going on locally to find a solution that makes that possible without the heavy levies applied to production of energy. The wind technology from Sheerwind constitutes a solution that means that we can keep the production at home. The production of hydrogen must perform together with the other elements in Energipark Korsør. SK Utility being the nearest neighbor makes it possible to use common competences and installations to everybody's advantage.

Hydrogen busses

Approximately 1/3 of the CO2 emissions in Denmark is caused by the transportation sector. One way to reduce CO2 emissions is to increase electrification of the sector. One way of electrifying transportation is through the implementation of hydrogen-powered vehicles.
The implementation of hydrogen for private transport has already advanced considerably, and Denmark is among the world leaders in the hydrogen and fuel cell technologies.

The establishment of facilities for hydrogen busses in Korsør is a unique step with a focus on including heavy transportation in the green transformation.
The terminal is based on 100% locally produced hydrogen. EnergiPark Korsør will act as an example for the implementation of hydrogen in the energy universe of the future. For Denmark, Europe and the whole world.