

EMBASSY OF DENMARK



Smart Waste 2020 - Danish Slovenian Waste-to-Energy Consultations

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Slovenia • 2020 • Waste-to-energy management

DANISH-SLOVENIAN WASTE-TO-ENERGY CONSULTATIONS

The Embassy of Denmark - The Trade Council of Denmark for Slovenia has planned to organise waste-to-energy management days in Slovenia in 2020.

Unfortunately, due to the unfavourable COVID-19 situation, it has been decided that no physical meetings will take place.

Instead, exchanging viewpoints on waste-to-energy solutions will happen remotely in between interested parties.

The format includes individual interactions between Danish consultants, contractors and suppliers of equipment and Slovenian cities, utilities, and other key waste-to-energy stakeholders and companies.

THE DANISH GREEN SECTOR

Danish companies and organisations are at the forefront of green technology and knowhow. Energy efficiency has been a priority for Denmark for decades, which is why Denmark has become one of the most energy-efficient countries in the EU and the OECD. Energy consumption has been decoupled from economic growth. Today, more than 30 % of Denmark's energy needs come from renewables. It is expected to reach 50 % by 2030, and by 2050, Denmark will be 100 % independent of fossil fuels altogether. This will partly be achieved through energy efficiency measures and energy savings in both domestic and industrial contexts.

Part of energy efficiency is using all resources to their full potential. 64% of Danish households are being supplied with district heating. In parts of Copenhagen, 98% of households are connected to district heating. Furthermore, almost 60% of district heating in Denmark is generated from renewables. An example of renewables used for this is waste incineration.

In order to combat congested and polluted landfills, resources must be subtracted from the waste for recycling, while the remains can provide a source of low-carbon energy through incineration. Each year, the Danish waste sector collects and processes 15 million tons of waste and the Danish waste-to-energy plants convert the waste for heat and electricity production. Danish incineration plants are the cleanest and most efficient in the world, and they are part of the reason why less than 5 percent of the country's waste goes to landfills.

Another example is that Denmark has utilised biomass to produce bioenergy for decades, in fact, the consumption of biomass for heat and power production in Denmark more than quadrupled between 1980 and 2009. Today, approximately 70% of renewable energy consumption in Denmark stems from biomass, primarily wood pellets, straw and wood chips, and in 2020, bioenergy will continue to make up the majority of total renewable energy consumption.

Intelligent energy is all about matching demand and supply of fluctuating, renewable energy sources through a flexible energy system. This implies sharing energy across borders in an integrated energy system, as well as using data, smart meters, smart grids etc. to create smarter cities and societies.

Find more information about the Danish green sector: stateofgreen.com













