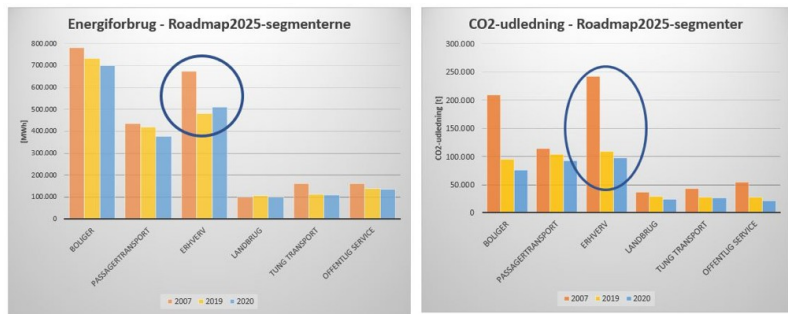


Sonderborg's Roadmap2025 business segment development

Since 2007, companies' CO2 emissions have been reduced by CO2 by 60%, but energy consumption is rising and requires even more focus on energy efficiency, especially in the companies that use coal, gas and oil in the manufacturing process.



While companies' CO2 emissions have been reduced to 97,030 tonnes of CO2 since 2007, companies' total energy consumption in 2020 increased by 6%, and it is especially companies with gas in the manufacturing process that have had an increase in energy consumption. The figures indicate that the construction and food industry in particular have had a higher level of activity during the COVID-19 pandemic.

With energy from solar, wind and biogas, the energy supply has become greener, but the changeover will only take effect if the companies phase in the new forms of energy (especially electricity) in their manufacturing processes.

New consumer attitudes challenge companies globally - and in Sonderborg

Science Based Target (SBT) is the large companies' response to new green consumer attitudes which challenge e.g. food supply chain, but soon all companies.

In the Sonderborg area, Danfoss, Stryhns, Stark, Chr. Hansen and most recently Danish Crown, joined the SBT initiative, which on a clearly defined basis, gives companies the opportunity to decide on climate efforts, objectives, etc. in order to document that the company complies with the Paris agreement from 2015.

The journey of the largest and most CO2-emitting companies

The 10 largest leading companies in the Sonderborg area account for approx. 60,000 tonnes of CO2 out of the total 97,030 tonnes of CO2 and thus there is still a great need for companies to focus on energy efficiency and reduction of energy consumption.

In 2019/2020, the large companies participated in a workshop course, where climate strategies were prepared and energy management was introduced. This has resulted in new monitoring tools, switching to LED lighting, new construction in better energy class, replacement of inefficient machines, appliances, etc. Some companies have invested in solar cells to cover parts of the company's power consumption.

The ZEROcompany program helps businesses

Since 2009, the ZEROcompany program has helped companies save on energy consumption. Through replacement of lighting, phasing out of fossil fuels; and where possible, conversion to district heating and optimization of processes. The program has more than 40 participating companies. The ambition is for all the area's big SMEs to become active participants in ZEROcompany and inspire each other to take on the CO2 challenges in droves.

What are Science Based Targets?

The Science Based Targets initiative provides a clearly defined goal for companies to reduce greenhouse gas emissions, reducing climate change and ensuring economic and business growth in the future.

Goals are considered 'Science Based' if they are in line with what is found necessary to meet the goals of the Paris Agreement - a limitation of global warming to 1.5 ° C.

Companies that sign up for Science Based Targets address the entire company's CO2 emissions according to the GHG protocol and the 3 scopes, as described below.

[Read more about Science Based Targets here \(https://sciencebasedtargets.org/\).](https://sciencebasedtargets.org/)

