

CSR report from Troldtekt A/S:

## **New technology cuts energy consumption by 20%**

**Troldtekt, which supplies acoustic panels to the construction industry, has invested massively in its factory in Denmark. As a result of these investments, energy consumption per produced square metre has decreased by about 20% – in line with the company’s focus on Cradle to Cradle and the UN Sustainable Development Goals (SDGs). The energy comes mainly from wind power and biofuels.**

The inauguration of a new factory line in 2019 has resulted in an even more environmentally efficient production of Troldtekt acoustic panels. Troldtekt is a Danish company which produces in Denmark using the local raw materials wood and cement. Internationally, the acoustic panels are sold through subsidiaries in Germany and Sweden and partners in several other markets.

Troldtekt’s new CSR report shows that energy consumption per produced square metre of acoustic panel fell from 25.47 MJ (megajoules) in 2018 to 21.95 MJ in 2019. Following the investments which have been made in recent years in the old factory line, which still accounts for half of production, energy consumption had already been reduced from 27.76 MJ in 2017. Thus, the total reduction is 20.9%.

“We produce millions of square metres of panels a year, so when, in the space of two years, we cut energy consumption per unit by a fifth, it makes quite a difference for the environment. It’s very positive that we’re already seeing benefits from the DKK 180 million we invested in the new factory line,” says Peer Leth, CEO of Troldtekt A/S.

He highlights the fact that producing the acoustic panels is based on wind power through a climate partnership agreement with Denmark’s largest energy company, Ørsted. Troldtekt has its own biomass boiler on the factory site, so process heat and heating the production halls is based on carbon-neutral biomass.

### **From two to four SDGs**

The factory upgrades and our focus on renewable energy tie in with Troldtekt’s strategic focus on the sustainable design concept Cradle to Cradle – and UN Sustainable Development Goal 12 (Responsible consumption and production), which is one of the four SDGs which Troldtekt is focusing on, and which is elaborated on in the new CSR report.

“Our first step was to focus on SDG 12 and SDG 15 (Life on land) and the four underlying targets, which we have been working with continually for the past couple of years.

We have now evaluated, and decided to add two more goals and three new targets,” says Peer Leth, adding:

“When giving external presentations about our CSR work, I often meet people who are unsure about how to tackle the Sustainable Development Goals. Many people think that you have to work with all 17 of the goals, including the 169 targets. At Troldtekt, rather than taking too much on board at once, we decided from the outset to focus on the areas which we’re able to influence to the greatest extent.”

The SDGs which Troldtekt has added in 2019 are SDG 3 (Good health and well-being) and SDG 17 (Partnerships for action).

## FACTS: Highlights from Troldtekt's CSR efforts in 2019

In 2019, Troldtekt achieved results within all four of the UN Sustainable Development Goals which are focus areas for the company:

- > **SDG 3 (Good health and well-being): New knowledge about healthy construction**  
Rambøll has prepared documentation for Troldtekt's contribution to WELL-certified and Nordic Swan Ecolabelled construction, where the focus is on health and well-being. This supplements the documentation for Troldtekt's contribution to the DGNB, LEED and BREEAM certifications. Troldtekt is also part of the newly opened C2C LAB in Berlin, a knowledge centre for Cradle to Cradle-certified building materials.
- > **SDG 12 (Responsible consumption and production): Less energy per unit**  
In 2019, Troldtekt inaugurated a new factory line. Fully automated processes and the latest technology at the factory enable Troldtekt to manufacture its acoustic panels more energy-efficiently. In 2018, consumption was 25.47 MJ (megajoules) per produced square metre, while in 2019 it was 21.95 MJ. This equates to a 13.8% reduction. Over two years, the reduction has been 20.9%.
- > **SDG 15 (Life on land): Choice between FSC and PEFC**  
In 2019, Troldtekt supplemented its FSC® certification (FSC®C115450) with a PEFC™ certification. All the acoustic panels are now certified according to one of the two leading standards for responsible forestry. All the wood which is used is PEFC-certified, and much of it is also FSC-certified. Customers are therefore free to choose between the two standards when buying Troldtekt.
- > **SDG 17 (Partnerships for the goals): Leading the way for more certified forests**  
In partnership with FSC Denmark, in 2019 Troldtekt launched a public call concerning the need for more FSC-certified forests in Denmark. The joint initiative comprised several activities, and has now resulted in, for example, the Municipality of Ringkøbing-Skjern in western Jutland FSC-certifying its woodland areas.

*[Read the full Troldtekt CSR report for 2019 here.](#) The English version of the report will be uploaded to the UN at the end of May as part of Troldtekt's membership of the UN Global Compact, a worldwide voluntary CSR initiative. Troldtekt has uploaded a CSR report to the UN annually since 2010.*

## FACTS ABOUT TROLDTEKT:

- Troldtekt is a leading developer and manufacturer of acoustic solutions for ceilings and walls in schools, offices, cultural venues, sports centres and health care institutions.
- Since 1935, wood and cement have been the main natural raw materials in production, which takes place in Denmark in modern facilities with a low environmental impact.
- Troldtekt is experiencing a growing demand internationally for, among other things, its design range, which has won the German ICONIC Awards 2019 and the German Design Award 2020.
- Troldtekt's business strategy is founded on the Cradle to Cradle design concept, which plays a key role in securing environmental improvements towards 2022.

## FURTHER INFORMATION:

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