Case Study

Troldtekt A/S

Company & Country

Troldtekt A/S, Denmark

Start Up/SME, Employees

SME with 148 employees

Category of Industry

Manufacturing, Building Materials

Website Address

https://www.troldtekt.com/

CSR Strategy

https://www.troldtekt.com/environment-and-csr/csr/

CSR Ready

green, fair & competitive businesses

At Troldtekt A/S, they believe that acoustic comfort and a healthy indoor climate are key elements of high-quality buildings. Since 1935, they have manufactured
Troldtekt acoustic panels from the natural material wood, and cement extracted from Danish mineral resources.

They design, develop and manufacture the panels in Denmark – from local materials and under state-of-the-art and eco-friendly conditions. For the second year running, Troldtekt has been recognised as one of the best Danish SMEs at reporting on CSR.

Benefits of CSR

Troldtekt's CSR report for 2020 includes several highlights, including:

- 97.7 per cent of the energy used at their factory in 2020 came from renewable sources. The electricity they use is based on wind power, while the heat comes from their own biomass plant.
- 3347 tonnes of dust from the milling of their acoustic panels were used by Aalborg Portland to produce new cement
- From 2020, Troldtekt A/S is certified according to both the leading standards for sustainable forestry: FSC® (FSC®C115450) and PEFC™. All raw wood used to produce Troldtekt acoustic panels is certified, and customers are free to choose between the two standards when buying Troldtekt

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An initiative by Global Compact Network Denmark and FSR – Danish Auditors

"Sustainability is about material health, product lifetime, indoor climate, recycling and all the other aspects that we address in the CSR report.

Peer Leth – CEO of Troldtekt

DESCRIPTION AND IMPLEMENTATION OF KEY CSR INITIATIVES

Huge Focus on CO2

Carbon emissions is one of the areas covered by Troldtekt in its CSR report 2020, which describes the company's successes as well as its challenges. On the one hand, 97.7 per cent of the energy consumed at Troldtekt's own factory is based on renewable energy. This results in low direct and indirect CO2 emissions and includes the use of biofuels and wind power in production.

A documented healthy material

Troldtekt acoustic panels contribute to a healthy indoor climate – both by ensuring good acoustics and because they are made from healthy materials. The panels have been thoroughly analysed in connection with our Cradle-to-Cradle certification. This means that all the ingredients have been analysed down to 100 ppm – and that we have evidence that the acoustic panels do not contain any harmful substances. Under the Danish Indoor Climate Labelling scheme, Troldtekt's products are classified in the best categories for degassing and particle release. And finally, Ramboll has documented how Troldtekt contributes points under the leading, voluntary sustainable building certification schemes.

Products for the circular economy

Troldtekt, are committed to green forms of production and to designing products with long useful lives. All the electricity they use in production comes from wind power, while the heat for our drying processes is generated by their own biomass-fired plant. When it comes to the operation of their trucks, they have almost completely replaced fossil fuels with green energy. They sort production waste into fractions to make the most of the resources at the highest possible value level in both the biological and technical cycles. In the biological cycle, they are working with several different solutions that will add another role for our cement-bonded wood wool waste before it ends its days as soil conditioner.

Certified to responsible forestry standards

Norway spruce sourced from Danish forests is one of the raw materials used to produce Troldtekt acoustic panels. Wood is basically a healthy and sustainable material because trees absorb CO2 while they grow. However, sustainability may suffer if account is not taken also of the animals, plants and people working or living in the forests. The international FSC and PEFC certification schemes both set certain standards when it comes to biodiversity, working conditions and the conservation of forest areas. Troldtekt are certified according to both schemes. And so, the wood in each panel an be traced back to the forest where it came from.