

Press release from Troldtekt A/S

CSR report from Troldtekt A/S:

Almost 100 per cent renewable energy at Troldtekt's own factory

A total of 97.7 per cent of the energy used to manufacture Troldtekt acoustic panels now comes from renewable sources. Energy consumption per square metre produced has been reduced by 28.6 per cent in three years. Both figures are in line with the company's Cradle to Cradle strategy, for which it received the DI Prize 2020.

Own biomass boiler at the factory, electricity based on wind power and a gradual transition from diesel to electric trucks. These measures mean that Troldtekt A/S is now approaching 100 per cent renewable energy at its factory in Troldhede. In 2020, the share of renewable energy was 97.7 percent, up from 94.6 per cent in 2018 and 96.2 per cent in 2019. The figures appear from Troldtekt's recently published CSR report for 2020.

"Given the number of acoustic panels we produce, we use a lot of energy. Especially heat for drying and power for our high-tech machinery. We're therefore extremely pleased that almost all the energy now comes from carbon-neutral sources," says Peer Leth, CEO at Troldtekt A/S.

Peer Leth also notes that Troldtekt has yet again succeeded in reducing energy consumption per square metre of acoustic panel produced. Consumption has been reduced by 28.6 per cent since 2017, from 27.76 to 19.83 MJ. The reduction is thanks, not least, to investments in the company's drying ovens.

Dialogue with Aalborg Portland

The calculation of CO₂ emissions comprises scopes 1 and 2, which in Troldtekt's case cover biofuel from its own boiler and electricity from wind power. And then there is scope 3, which covers the indirect emissions related to procurement from external suppliers. While Troldtekt's scope 1 and 2 emissions are approaching zero, the level of scope 3 emissions is higher. Scope 3 emissions relate almost exclusively to the production of the cement that – together with wood – goes into producing the acoustic panels.

"We're in dialogue with our cement supplier, Aalborg Portland, which – having promised the Danish government to do so – is working hard to significantly reduce emissions from their cement production. These efforts will have a huge impact on our carbon emissions relating to externally sourced goods," he continues.

Dust used as raw material in new cement

The massive investments made in green and energy-efficient technology in recent years are part of Troldtekt's strategy. The strategy is based on the Cradle to Cradle sustainable design concept, the vision being a world without waste, but with healthy materials and renewable energy. In 2020, Troldtekt received the DI Award from the Confederation of Danish Industry for its efforts to increase competitiveness through a green transition based on Cradle to Cradle.

"We launched our Cradle to Cradle strategy in 2012 because we saw a demand for proven sustainable building materials from architects in particular. Since then, the strategic approach to sustainability has become key to competing in our largest markets in Denmark, Germany and Sweden," says Peer Leth.

"I'm proud of the milestones we have reached, and which in 2020 resulted in further concrete results," he adds.

In addition to focusing on energy, he highlights the collaboration with Aalborg Portland, which recycles dust from the edge processing of Troldtekt panels as a raw material in new cement. In 2020, 3,347 tonnes of offcuts were delivered to Aalborg Portland as return loads by the trucks that would otherwise have been returning empty to Aalborg.

FACTS: Highlights from Troldtekt's CSR efforts in 2020

CSR initiatives realised by Troldtekt in 2020 included:

- > **Reduction in energy consumed per unit**
The amount of energy consumed per Troldtekt acoustic panel produced was reduced by 9.7 per cent compared to 2019. Since 2017, we have reduced our energy consumption per unit by 28.6 per cent.
- > **Increase in renewable energy share**
97.7 per cent of Troldtekt's energy consumption came from renewable sources. For example, all electricity used in production comes from wind power, and the heat for drying comes from the company's own biomass boiler.
- > **Tonnes of dust returned to Aalborg Portland**
Dust from the milling of Troldtekt acoustic panels is used by Aalborg Portland in its cement production – and thus returns to the technical cycle. In 2020, Aalborg Portland trucks took away 3,347 tonnes of dust after delivering cement to Troldtekt.
- > **All raw wood comes from certified forests**
From 2020, Troldtekt A/S has been certified according to the two leading standards for sustainable forestry: FSC® (FSC®C115450) and PEFC™. All raw wood used for the production of Troldtekt acoustic panels is certified, and customers are free to choose between the two standards when buying Troldtekt.

[Read the full Troldtekt CSR report for 2020 here.](#)

The English version of the report will be uploaded to the UN in June 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 every year since 2010.

FACTS ABOUT TROLDTEKT

- Troldtekt A/S is a leading developer and manufacturer of acoustic ceiling and wall solutions.
- Since 1935, the natural material wood and cement extracted from Danish mineral resources have been the raw materials in the production process, which takes place in modern facilities in Denmark with a low environmental impact.
- Troldtekt's business strategy has been developed around the Cradle to Cradle sustainable design concept as the central element.

FURTHER INFORMATION

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