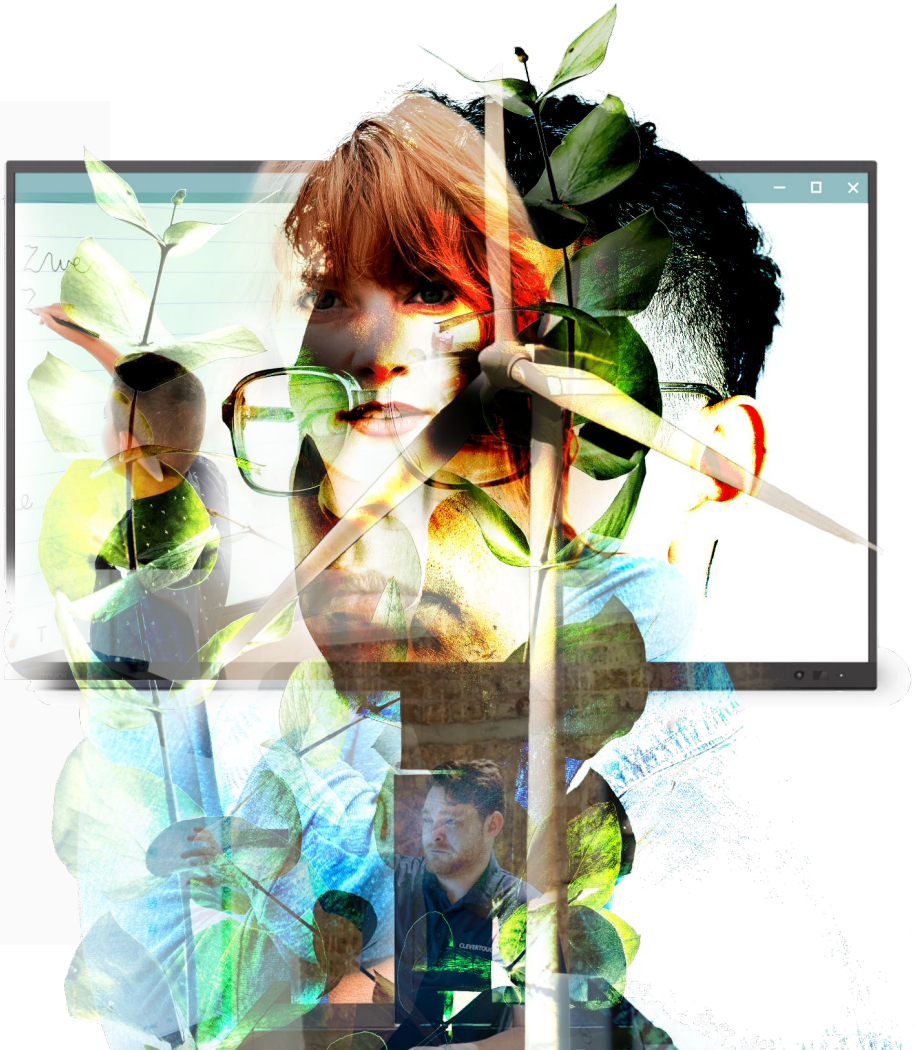
CLEVERTOUCH®

TECHNOLOGIES

CO^2 Footprint and Material Report 2021

Green Credentials

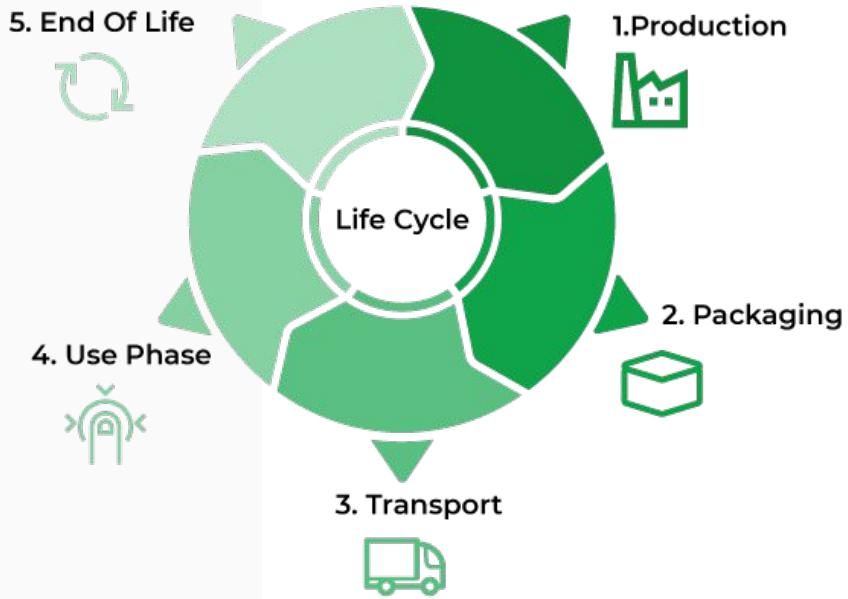


Life Cycle Analysis

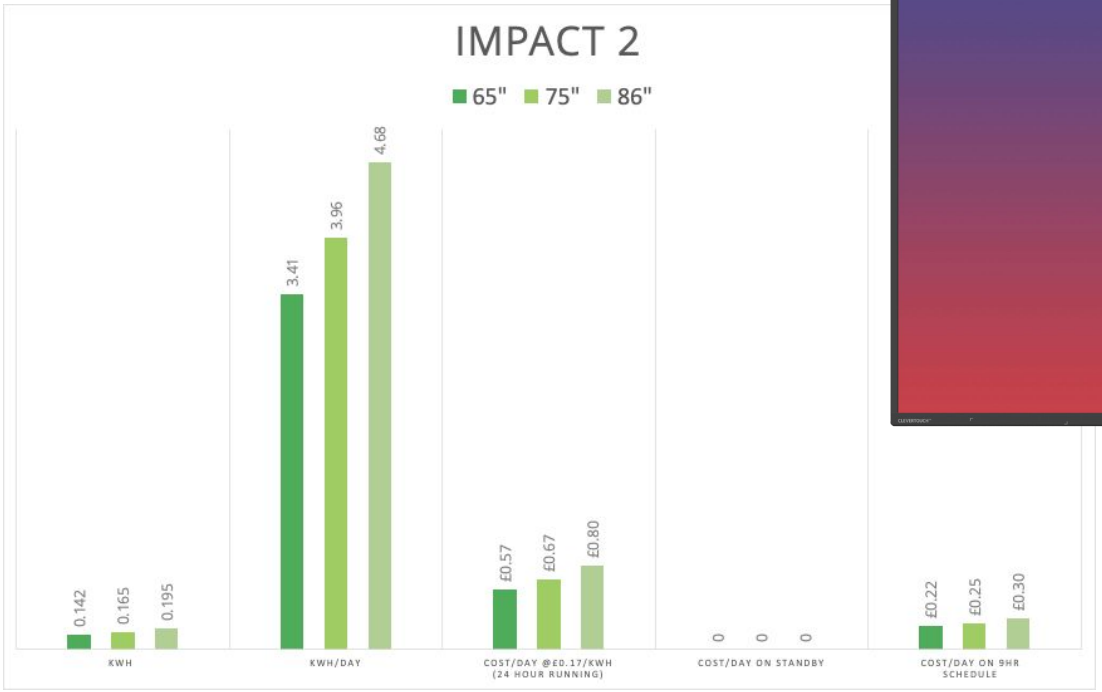
This report provides the CO2-impact of the entire life cycle of Clevertouch IMPACT Series Gen 2 by means of a Life Cycle Analysis (LCA).

An LCA is the widely most used scientific method to map the ecological impact of products. The ecological impact of products can consist of many indicators, but this research focuses on the CO2-emissions during the different phases of our product's life cycle. With this insight, we will minimize the ecological footprint of our touchscreens.

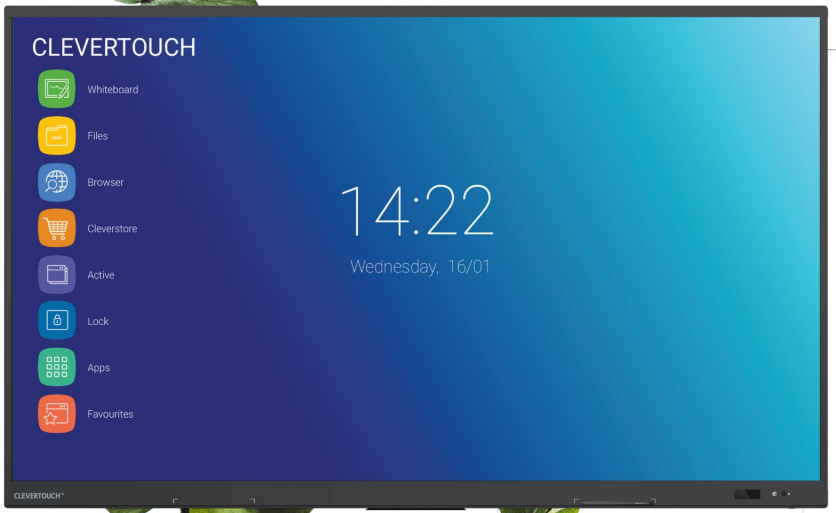
This life cycle consists of 5 phases, as can be seen in the image right: Production, Packaging, Transport, Use-Phase and End of life.

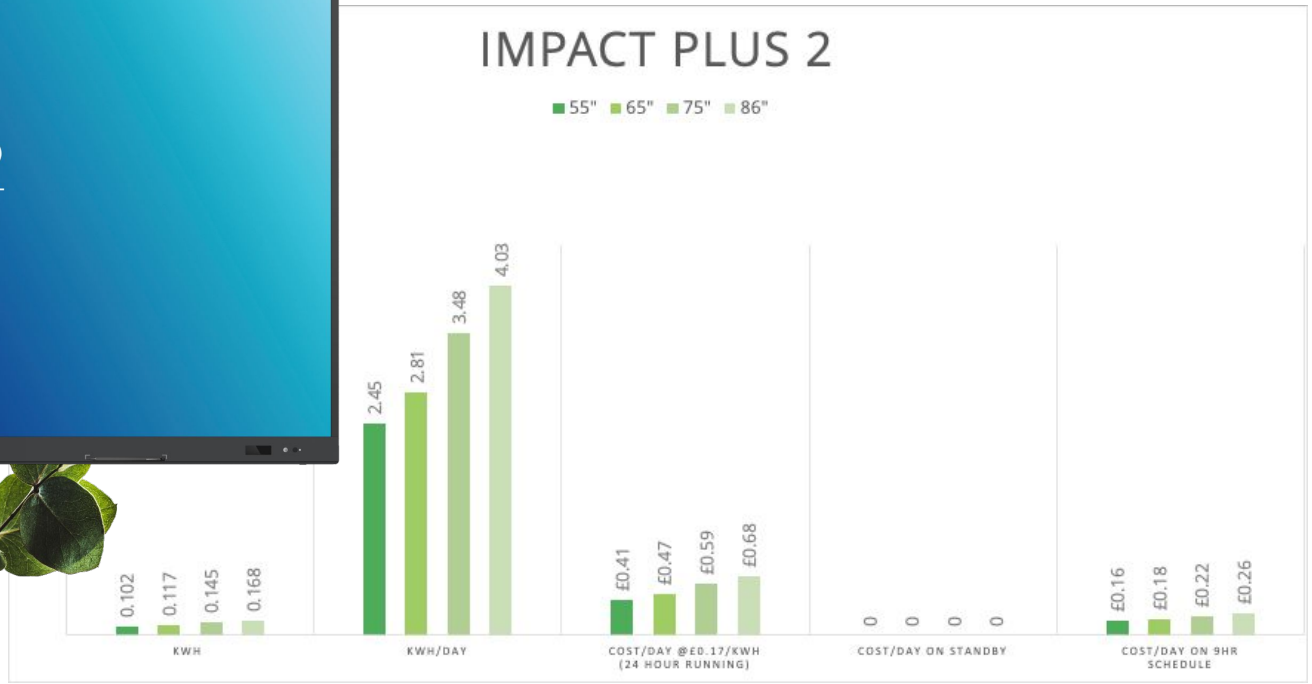


IMPACT 2 Running Costs



IMPACT Plus 2 Running Costs





Use Phase Results

The energy consumption during 7 years of usage has been determined by means of power measurements. Furthermore, three consumption scenarios have been drawn up to investigate the influence of different energy settings (normal mode, energy saving mode and a mix of 50% normal mode and 50% energy saving mode) on CO2 emissions. It has been assumed that each screen is active for 1.460 hours per year (value also used by the ‘energy label’). According to CE Delft [6], 1kWh in the current Dutch energy mix is associated with 355 grams of CO2 emissions. The measured values are as follows: Power and energy consumption per touchscreen according to measurement.

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IMPACT is the number one interactive display for education. With over a decade of experience in providing top quality interactive screens for the classroom and digital signage for schools, award-winning Clevertouch is the only choice.

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