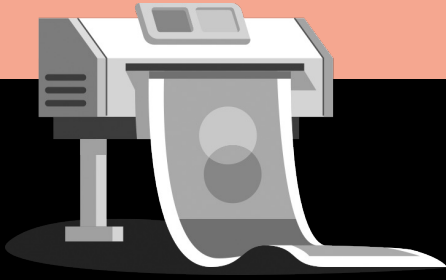


Sustainable Print Products



Printing of 800 reports, 35,000 letters to residents and 500 indoor posters was carried out in cooperation with the C2C printing companies Lokay, Gugler and Vögeli. They use renewable energies, pollutant-free ingredients and 100% recyclable materials.

Comparison between conventional print products and material healthy^[1], recyclable print products

Conventional Print Product	Circular Print Product	Exploited Sustainability potential	Future Sustainability potential
<p>~ 1,9 t CO₂^[2]</p> <p>Carbon Management</p>	<p>~ 1,4 t CO₂^[2]</p>	<p>The use of renewable energy, tested chemicals and recycled paper saves ~500 kg of CO₂^[2].</p>	<p>Enable closed-loop and material-healthy printing processes and material selection even for weather-resistant print products.</p>
<p>Water Demand</p>	<p>~ 70 % L^[5]</p>	<p>The production of recycled paper consumes ~ 70% less water than the production of virgin fiber paper.</p>	<p>Use of collected rainwater and material-healthy ingredients can further optimize water balance and quality.</p>
<p>Energy Demand</p>	<p>~ 60 % kWh^[5]</p>	<p>Heat recovery and exhaust heat utilization significantly reduce heat energy consumption. Use of 100% green electricity.</p>	<p>The use of in-house green energy sources can lead to a positive energy balance.</p>
<p>Material Health</p>		<p>Materials such as isopropanol, glues and cleaning agents with high levels of VOCs^[3] have been replaced with material-healthy alternatives.</p>	<p>Exclusive use of certified ingredients^[4] and switch to recycling of own products prevents external sources of toxins.</p>
<p>Social Fairness</p>		<p>Social fairness is promoted through secure conditions for employees. Equal pay for all genders is checked and ensured.</p>	<p>Further transparency along the supply chain can support the promotion of suppliers' social initiatives.</p>
<p>Circularity</p>		<p>Paper fibers can be reused ~25 passes in the technical cycle; at the end of the life cycle, they are 100% returnable to the biological cycle.</p>	<p>Further optimization of recycling methods, some of which produce harmful residues, can avoid negative product impacts.</p>

1 | Applicable to C2C Gold certified products from Gugler & Vögeli - to the [Environmental Statement](#) of the Lokay printing company with C2C Bronze certified products.

2 | Per ton of printed paper; based on data from Druckerei Vögeli

3 | Volatile Organic Compounds

4 | For example C2C Gold certified dyes

5 | [Swiss Portal for Nature and Environmental Protection](#)