

Carbon Account

Company:	L.E.G.O. S.p.A. Lavis
Address:	VIA GALILEO GALILEI 11
City:	38015 LAVIS (TRENTO)
Country:	ITALY
Accounting period:	1/1/2022 - 12/31/2022
Basic year:	2017
Responsible for the account:	Andrea Guglielmi
Certificate number:	CC-000086/IT
The account includes:	Prepress, Printing (web heatset and sheetfed), finishing

Total quantity of delivered printed matters:	31,012 t
Total emissions of greenhouse gases (Scope 1+2+3):	49,027 t CO ₂ eq
Total energy consumption (Scope 1+2):	103,646 GJ
Waste substrate:	26%
Key figures: (Scope 1+2+3)	1,581 kg CO ₂ eq/t
Key figures: (Scope 1+2)	3,342 MJ/t

Emissions from activities	Company related	Product related	Total emissions	
Burning of fuel in stationary burning units at the company	3,672 t CO ₂ eq		3,672 t CO ₂ eq	7%
Burning of fuel in own or leased vehicles	24 t CO ₂ eq	12 t CO ₂ eq	36 t CO ₂ eq	0%
Direct emissions (Scope 1)	3,696 t CO ₂ eq	12 t CO ₂ eq	3,708 t CO ₂ eq	8%
Purchase of electricity	4,654 t CO ₂ eq		4,654 t CO ₂ eq	9%
Purchase of district heating	0 t CO ₂ eq		0 t CO ₂ eq	0%
Energy indirect emissions (Scope 2)	4,654 t CO ₂ eq		4,654 t CO ₂ eq	9%
Production of substrate		23,661 t CO ₂ eq	23,661 t CO ₂ eq	48%
Transportation of substrate (incl. upstream)		5,076 t CO ₂ eq	5,076 t CO ₂ eq	10%
Production of printing ink and varnish		2,330 t CO ₂ eq	2,330 t CO ₂ eq	5%
Production of PE- and cardboard packing		749 t CO ₂ eq	749 t CO ₂ eq	2%
Transportation of products to and from subsupplier		144 t CO ₂ eq	144 t CO ₂ eq	0%
Transportation of products to the customer		4,164 t CO ₂ eq	4,164 t CO ₂ eq	8%
Production of fountain solution and cleaning agents	51 t CO ₂ eq		51 t CO ₂ eq	0%
Production of plates and cylinders	3,528 t CO ₂ eq		3,528 t CO ₂ eq	7%
Employee's commuting to and from work (incl. upstream)	172 t CO ₂ eq		172 t CO ₂ eq	0%
Emissions from production of purchased fuel	788 t CO ₂ eq	2 t CO ₂ eq	790 t CO ₂ eq	2%
Other indirect emissions (Scope 3)	4,539 t CO₂ eq	36,126 t CO₂ eq	40,665 t CO₂ eq	83%
Total (Scope 1+ 2+3)	12,889 t CO₂ eq	36,138 t CO₂ eq	49,027 t CO₂ eq	100%