

Hermes is building the first positive energy leather goods factory in Louviers (Normandy).

Starting date of the project	September 2020		
Project Localisation	The foundation stone for the factory was laid in September 2020 in Louviers, Normandy.		
Places of implementation of the project at this stage and targeted geography if replicable.	This project will also allow for the rehabilitation of a brownfield site near the city centre and will serve as a proof of concept for the Hermès Group's future leather goods factories.		
Project objectives	To offset the energy consumption of the new leather goods factories from the point of view of the electricity		
Type of climate innovation of the project with a description of the problem/issue addressed	grid and to reduce the associated CO2 emissions. This 20th leather factory will not use any fossil energy for its operation and will generate at least as much energy as it consumes.		
Detailed project description	The environmental responsibility of Hermès is asserted in the construction of this building, which will be positive energy (energy consumed <energy and="" building="" electricity="" fed="" grid.<="" into="" is="" partially="" produced).="" self-consuming="" surplus="" th="" the=""></energy>		
	Most Hermès leather goods factories use natural gas and electricity for their processes and to produce heat and cold, or domestic hot water. Recent buildings mainly use electricity or renewable energy, but have not yet reached the Positive Energy objective. The Maroquinerie de Louviers aims to achieve this target as well as the french E4C2 label (energy performance and greenhouse gas reduction).		
	This 6,400 m2 bioclimatic building, designed to make the most of its location and environment, is made up of triple row north-facing sheds that will provide natural and stable light, reducing energy requirements. Analysis of natural flows (wind, rain and sun) has enabled the architect to significantly reduce heating and cooling requirements. In order to preserve the biodiversity of the site, most of the trees will be kept in the gardens and others will be planted.		
	 Since 2015, Maison Hermès has developed a Sustainable Construction Standard based on 5 pillars: 1. Controlling the carbon impact, 2. Biodiversity balance, 3. Air quality 4. Environmental quality. 5. Local sourcing. It is reflected in the quality of our spaces and the well-being of our employees and craftsmen. The Louviers project will be the group's first positive energy building, with the objective of achieving the french E4C2 label (including process energy/water consumption). 		
Main project's drivers for reducing	Reduction levers	Details on the aspects of the project	
the greenhouse gas emissions	Energy and resource efficiency (including behaviour)	Compact building, with load-bearing brick walls and a wooden roof structure. The thermal inertia is optimised.	
	Energy Decarbonisation	Electrification of certain uses, use of geothermal energy	
	Energy efficiency improvements	High energy performance of the building and the production processes	
	Improving efficiency in non-energy resources	· · · ·	
	□ Emissions absorption: creation of carbon sinks, negative emissions (BECCS, CCU/S,)		
	□ Financing low-carbon producers or		

	□ Reduction of other greenhouse	e gases	
	CINISSION		
Emission scope(s) on which the			
project has a significant impact and quantification of GHG emission reductions per emission		Aspects of the project contributing to the reduction of emissions by emission	Quantification of associated GHG emissions by emission category
scope		category	
			Please follow the quantification methodology used in the Afep guidelines.
	Reduction of the company's carbon dependency		
	Scope 1		
	the company's activity.		
	Scope 2	Removal of fossil fuel sources	24 tCO2e/year
	Indirect emissions associated		
	with the company's electricity		
	Scope 3		
	Emissions induced (upstream		
	or downstream) by the		
	and/or services in its value		
	chain.		
	Increase of carbon sinks		
	Carbon sinks creation.		
	(BECCS, CCU/S,)		
	GHG emissions avoided by the	e company at third parties	242 tCO2ce/vacr
	Emissions avoided by the		
	activities, products and/or		
	services in charge of the		
	emission reduction projects.		
	Clarification on the calculation of	or other remarks:	visting one. Its construction does not
	therefore result in a reduction in C	O2 emissions. However, it is a mo	del that Hermès wishes to replicate. In
	this sense, the above calculations were made in comparison with the construction of a traditional leather		
	goods factory with the same characteristics.		
	 rre-rroject: mix use of Gas + Electricity: average emissions 266 tool2e /year (average of scopes 1+2 emissions of 5 leather factories) 		
	 Post-Project: estimated 	emissions:	
	o Scope 1: 0 to	CO2e /year	
	o Avoided emi	ssions: 242 tCO2e/year	
Modality of verification of the	Calculation standard used (ADE	ME base, GHG protocol, etc.): G	GHG Protocol
quantification.	Verification of the calculation (ir	ternal or external): Internal	
Other environmental and social	This project contributes to the follo	wing SDGs:	
benefits of the project	SDG 7 Clean and afford	able energy: by eliminating all sou	rces of fossil fuels and allowing the
	building to be self-consu	ming;	w jobs in this anargy positive lostber
	 o Decent work and goods factory: 	economic growth, by providing he	w jobs in this energy positive leather
	 SDG 11 Sustainable cities and communities: by rehabilitating a brownfield site; 		
	SDG 13 Measures to combat climate change: by achieving the objective of an energy positive		
	leather goods factory (energy consumed < energy produced), the Maroquinerie de Louviers also aims to obtain the E4C2 label (energy performance and greenhouse gas reduction)		
		assi (onorgy performance and gr	

Project maturity level	Prototype laboratory test (TRL 7)
	⊠ Real life testing (TRL 7-8)
	□ Pre-commercial prototype (TRL 9)
	Small-scale implementation
	□ Medium to large scale implementation
	Bemarke : Building under construction
Capacity and conditions of the	All future Hermès leather goods projects are carried out with this experimentation in mind.
project reproducibility, with	
mitigation potential	
Amount of investment made (in €)	Project cost between 15 and 30 M€ (land + operations)
Economic profitability of the	
project (ROI)	□ ST (0-3 years)
project (noi)	□ MI (4-10 years)
	⊠ L1 (> 10 years)
	Remarks: click here to enter the information
Engaged partnerships	The 511.000 bricks in the building are manufactured by a local company. The site was chosen in
5-5 F-	collaboration with the Communauté d'agglomération and allows for the rehabilitation of an industrial
	wasteland.
Open comments from the project	
owner	
More about the project	
contact the company carrying the project	Erwan Dufresne: erwan.dufresne@nermes.com
Project URL links	
Illustrations of the project	and the second
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