IPSEN's carbon footprint is mainly carried by its manufacturing sites and R&D centers. Since April 2021, IPSEN has therefore signed various PPAs that guarantee the supply of 100% green electricity for its manufacturing sites in Dreux, Signes and Isle sur la Sorgue, and its R&D centers in Dreux and Les Ulis. This major achievement will result in a significant reduction of its Scope 2 carbon emissions, around 1,800 tons of CO2 equivalent per year.

Starting date of the project	December 2020
Project Localisation Places of implementation of the project at this stage and targeted geography if replicable.	Major IPSEN sites in France • Signes manufacturing site • Dreux manufacturing site • L'Isle sur la Sorgue manufacturing site • Dreux R&D center • Les Ulis R&D center • Boulogne Headquarters
Project objectives Type of climate innovation of the project with a description of the problem/issue addressed	The main objective of this project is to switch to 100% renewable electricity for the major sites of the group.
Detailed project description	As per the IPSEN group sustainability strategy, IPSEN is committed to playing our part in addressing the climate change. By deploying its Natural Resource Preservation program, IPSEN has set up targets to reduce its greenhouse gases emissions every year to deliver a 30% reduction in carbon intensity by 2025, considering emissions of scopes 1 and 2. Switching to 100% renewable electricity for the major sites of the group is part of the program's roadmap. The IPSEN group carbon footprint is mainly carried by its manufacturing sites and R&D centers. These major sites contribute to more than 90% of IPSEN scope 1 and 2 greenhouse gases emissions. While the IPSEN manufacturing sites in Dublin and in Wrexham and the France headquarters in Boulogne-Billancourt already made the switch to 100% renewable electricity in 2019, the French manufacturing sites had not yet followed their steps. This was done in April 2021. The contracts were signed with the French electrical power supplier EDF and officially warrantee the supply of 100% green electricity for IPSEN's manufacturing sites of Dreux, Signes and L'isle sur la Sorgue, and for its R&D centers of Dreux and Les Ulis till end of 2022. This great achievement will result in a significant drop of our scope 2 carbon emissions, around 1 800 tonnes equivalent CO2 per year.
Main project's drivers for reducing the greenhouse gas emissions	

Reduction levers	**Details on the aspects of the project**
☐ Energy and resource efficiency (including behaviour)	
☒ Energy Decarbonisation	Switch to enewable electricity
☐ Energy efficiency improvements	
☐ Improving efficiency in non-energy resources	
☐ Emissions absorption: creation of carbon sinks, negative emissions (BECCS, CCU/S, ...)	
☐ Financing low-carbon producers or disinvestment from carbon assets	
☐ Reduction of other greenhouse gases emission	

Emission scope(s) on which the project has a significant impact and quantification of GHG emission reductions per emission scope	**Aspects of the project contributing to the reduction of emissions by emission category**	**Quantification of associated GHG emissions by emission category**

			Please follow the quantification methodology used in the Afep guidelines.
	Reduction of the company's carbon dependency		
	Scope 1 *Direct emissions generated by the company's activity.*		
	Scope 2 *Indirect emissions associated with the company's electricity and heat consumption.*	Switch to 100% renewable electricity for the French manufacturing sites and R&D centers (mainly hydroelectricity injected by the energy supplier on the grid in the name of IPSEN)	2020 Electrical Energy for the sites in Signes, Dreux, Les Ulis, l'Isle sur la Sorgue = 33,460 MWh Carbon Emission Conversion Factor using Country Average Location-Based Factors (kgCO2e/kWh) = 0.0548 Carbon Emission Conversion Factor using Market-Based approach (kgCO2e/kWh) = 0.00001 **Scope 2 Carbon emissions reduction (tonnes.eq.CO2) = 1,833**
	Scope 3 *Emissions induced (upstream or downstream) by the company's activities, products and/or services in its value chain.*		
	Increase of carbon sinks		
	Emissions Absorption *Carbon sinks creation, (BECCS, CCU/S, …)*		
	GHG emissions avoided by the company at third parties		
	Avoided Emissions *Emissions avoided by the activities, products and/or services in charge of the project, or by the financing of emission reduction projects.*		
	Clarification on the calculation or other remarks: click here to specify		
Modality of verification of the quantification.	**Calculation standard used (ADEME base, GHG protocol, etc.):** GHG protocol **Verification of the calculation (internal or external):** Both internal and external		
Other environmental and social benefits of the project	By switching to 100% renewable energy, the project contributes to SDG 7 Affordable and clean energy and SDG 13 Climate Action.		
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 **Remarks**: click here to enter the level of maturity of the project		
Capacity and conditions of the project reproducibility, with associated climate impact mitigation potential	Reproducibility is high as • This is a procurement initiative requiring no infrastructure investment and no headcount implications for Ipsen • Cost premium is lower than current EU market carbon pricing • The initiative is fully aligned to government policy on renewable energy commitments • Benefit is high as electricity 'location' based emissions represents 43% of Ipsen's global scope 1 and scope 2 baseline in 2019 However, Renewable Electricity / Renewable Energy Credit (REC) market maturity remains a barrier for many countries.		

Amount of investment made (in €)	None The switch conseguence is a slight increase of the electrical kWh cost.
Economic profitability of the project (ROI)	☐ ST (0-3 years) ☐ MT (4-10 years) ☐ LT (> 10 years) **Remarks:** NA
Engaged partnerships	A partnership has been established with the French electrical power supplier, EDF.
Open comments from the project owner	
More about the project	
Contact the company carrying the project	Cyril.denis@ipsen.com
Project URL links	/
Illustrations of the project	 ISS  Dreux