

Centralized and intelligent management of energy consumption at LEGRAND sites in France

Consolidated energy consumption management platform (Nemogreen) implementation on all Legrand sites in France

Starting date of the project	January 2022		
Project Localisation Places of implementation of the project at this stage and targeted geography if replicable.	All industrial and logistics sites as well as all tertiary buildings falling under the scope of "Decret Tertiaire" in France		
Project objectives Type of climate innovation of the project with a description of the problem/issue addressed	Legrand is committed to reduce Scope 1 & 2 GHG emissions by 10% yearly between 2022 and 2024. In this respect, Nemo Green, a solution developed by Legrand, enables the consolidation of all data necessary to monitoring and optimizing energy consumptions (through metering, data entry, automated data capturing, building management systems, ..). All information can be consulted and used by various users (technician, energy managers, site managers) to optimize site energy consumptions		
Detailed project description	Connect all Legrand sites In France to Nemogreen		
Main project's drivers for reducing the greenhouse gas emissions Enter the information in the appropriate boxes	Reduction levers	Details on the aspects of the project	
	<input checked="" type="checkbox"/> Energy and resource efficiency (including behaviour)	Consolidating and monitoring energy consumption data through interfaces tailored to each user, enable behavioural modifications on the equipped sites	
	<input type="checkbox"/> Energy Decarbonisation		
	<input checked="" type="checkbox"/> Energy efficiency improvements	Consolidating and monitoring of data contribute to optimizing site energy consumption while detecting and limiting energy losses	
	<input type="checkbox"/> Improving efficiency in non-energy resources		
	<input type="checkbox"/> Emissions absorption: creation of carbon sinks, negative emissions (BECCS, CCU/S, ...)		
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 <i>Direct emissions generated by the company's activity.</i>		

<p>Indicate the aspects of the project that contribute to the reduction of emissions per category of emissions considered (left-hand column) and the quantification of associated emissions.</p> <p>Indicate the main hypotheses and calculation steps in the intended section (below the table)</p> <p>For further details, please refer to the methodology guidelines.</p>	<p>Scope 2 <i>Indirect emissions associated with the company's electricity and heat consumption.</i></p>	Reduction of energy consumption by 3.000 mWh per year	180 tons CO2 avoided yearly
	<p>Scope 3 <i>Emissions induced (upstream or downstream) by the company's activities, products and/or services in its value chain.</i></p>		
	<p>Increase of carbon sinks</p>		
	<p>Emissions Absorption <i>Carbon sinks creation, (BECCS, CCU/S, ...)</i></p>		
	<p>GHG emissions avoided by the company at third parties</p>		
	<p>Avoided Emissions <i>Emissions avoided by the activities, products and/or services in charge of the project, or by the financing of emission reduction projects.</i></p>		
<p>Clarification on the calculation or other remarks Estimation of CO2 emissions avoidance is calculated based on France emission factor of 60 g CO2/kWh</p>			
<p>Modality of verification of the quantification.</p>	<p>Calculation standard used (ADEME base, GHG protocol, etc.): : GHG protocol</p> <p>Verification of the calculation (internal or external): Internal</p>		
<p>Other environmental and social benefits of the project</p> <p>If possible, list the impacts and Sustainable Development Objectives concerned</p>	<p>SDG 8 : local employment SDG 7: affordable and clean energy</p>		
<p>Project maturity level</p> <p>Tick the corresponding current maturity level</p>	<p><input type="checkbox"/> Prototype laboratory test (TRL 7) <input type="checkbox"/> Real life testing (TRL 7-8) <input type="checkbox"/> Pre-commercial prototype (TRL 9) <input type="checkbox"/> Small-scale implementation <input checked="" type="checkbox"/> Medium to large scale implementation</p> <p>Remarks: click here to enter the level of maturity of the project</p>		
<p>Capacity and conditions of the project reproducibility, with associated climate impact mitigation potential</p>	<p>Nemogreen is an essential part of our plan to optimize our energy consumptions and reduce Scope 1 & 2 GHG emissions by 50% by 2030. The solution is standard, therefore easy and fast to implement while it can be tailored to specific sites requirements.</p>		
<p>Amount of investment made (in €)</p>	<p>Low</p>		
<p>Economic profitability of the project (ROI)</p>	<p><input checked="" type="checkbox"/> ST (0-3 years) <input type="checkbox"/> MT (4-10 years) <input type="checkbox"/> LT (> 10 years)</p> <p>Remarks: click here to enter the information</p>		
<p>Engaged partnerships</p>	<p>Legrand Energy Solutions</p>		

Open comments from the project owner	<p>Measuring energy consumption is the starting point of consumption optimization. Nemogreen is an energy management platform that consolidates all type of data from various sources (building management system, automated or manual data entry, invoices...) to measure all data required to control the energy system. Using this database, Nemogreen offers Business Intelligences services with dynamic dashboards, widgets as well as exportable reports which can all be customized based on the specific requirements. Standard tools are also available for fast implementation. As all users do not have the same needs (technician, energy manager, site manager, ...), different access profiles can be setup. Beyond all those facilities of collecting and analysing data to support energy management (live multisite analysis, warnings and alerts, modelling, follow up of action plans...), Nemogreen also facilitates the submission to the first OPERAT declaration requirement by September 2022:</p> <ul style="list-style-type: none"> - Consolidate all required sites - Automatically collect historical energy consumptions (after 2010) - Split consumptions by activity - Choose reference years - Prepare the declaration on OPERAT platform with 2020 and 2021 consumptions and the reference year.
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More about the project

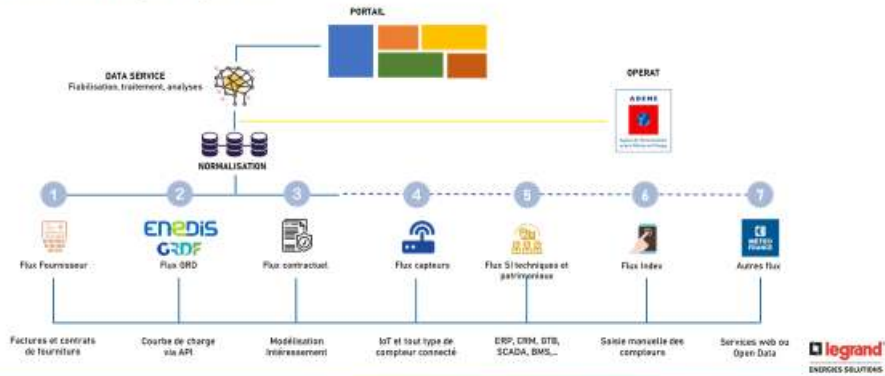
Contact the company carrying the project Please specify an ad hoc e-mail address that will allow the reader to contact the project company directly	Sebastien.bellenquez@legrand.com
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Project links	LEGRAND ENERGIE SOLUTIONS gamme IMESYS Instruments de mesure électrique Corporate Social Responsibility Legrand - Carbon footprint - YouTube
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Illustrations of the project 3 photos/videos minimum (in HD format to be attached)	 <p style="text-align: center;">Energy performance platform</p> <div style="display: flex; justify-content: space-between; align-items: center;">   </div>
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Our solution NEMO Green

Secured and performing data collection platform..
to collect and analyze all your data



Our solution NEMO Green

An online platform for your data live analysis ...

With different management and decision making support functionalities



Map your consumption points



Analyze, compare and estimate the potential improvement



Model and correlate with several factors the energy consumptions



Automatically check your invoices and optimize your plans



Alert and aim precisely at economy or over consumption sources



Dematerialize performance contracts and follow up commitments, penalties and bonuses



Create, assign, manage and follow up your action plans and their results



Communicate the results through flexible and exportable reports

The screenshot shows the 'ANALYSES' dashboard with the following components:

- Scope:** Dashboard, Map, Reports.
- Filters:** Typology: Administrative centre.
- Results:** 45 items. A list of locations including:
 - Greater London (14)
 - 1001 - London City administrative centre
 - 1002 - Greenwich administrative centre
 - 1003 - Westminster administrative centre
 - 1004 - Whitehall administrative centre
- Map:** A map of Europe with colored markers (red, green, yellow) indicating data points. A tooltip for 'S&P&S - Administrative Centre' shows 'Unter den Linden 6, 10097 Berlin' and 'Ongoing alerts: 4 1 1'.

