

Launched by ENEA, Lumière is a project aimed at promoting both energy and operative efficiency in **Public Lighting**. The objective is to apply, at a national level, a new way of **managing lighting facilities and services** that takes into account technological progress and the **actual needs of the environment, the territory and the citizens**.

In close collaboration with the main industry stakeholders, ENEA has started developing and testing a public lighting facility management model. In addition to promoting energy efficiency, the model wishes to enhance the role of light in adding value to public assets and in ensuring security and visual comfort to citizens, while granting an effective service.

Having started from the design of an ideal management path, **Lumière** has, overtime, created a network of sector operators and joint technical round tables, developed reference standards and models (such as the Lumière data collection form), and set out guidelines and support tools for the Project. Dissemination, training and local experimental activities have equally been supporting the development of the Project.

Particularly worth mentioning for the application of the management model and of public lighting service transparency and cross-sectoriality, is **the Public Energy Living Lab (PELL)**, a territorial network and infrastructure integrating technical data with facility consumption information.

Currently under development and testing, **PELL** is composed of a **software platform operating in two steps**:

- **Step one:** thanks to specific algorithms, it collects, organizes and processes technical and facility consumption data using the **Lumière data collection form** and provides consumption monitoring through a “**Smart Meter**”.
- **Step two:** making use of **key performance indicators**, it checks, assesses and validates the facility operation and upgrading project suggested solutions with the relevant intervention costs.

In the long run, **PELL** will surely be of crucial support to: a highly-skilled, transparent and monitored facility management; policies encouraging an enhanced service; *project finance* in order to verify the bankability of projects and the monitoring of investment risk.

Thanks to its versatility, the software platform could also be used to monitor other public energy-intensive services, such as confined lighting and energy consumption in public buildings.

As of today, the **Lumière Project** is a smart supporter for **local and central administrations** to achieve the joint development of sharp management processes, thus optimizing **Public Lighting**. So doing, Lumière plays the role of a modeler and activator of an innovative administration of public energy-intensive services.

Membership in the project is free and everybody can help achieve the set goals.

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