



Press release

Luxembourg, 18 September 2024

## Joule.lu, a new online platform to assess a home's solar potential

**With its new online platform launched September 16, the company provides extensive support to consumers for installing photovoltaic panels and is dedicated to making solar energy available to everyone, whether you own or rent your home. Therefore, Joule is emerging as a leading force in making the energy transition more accessible.**

### **A Reliable Estimate in a Few Clicks**

Luxembourg has made significant strides towards sustainability recently. With appealing government subsidies and a growing awareness of the need to reduce our carbon footprint, solar energy is becoming increasingly popular. Yet, many homeowners remain hesitant to make the switch, largely due to a lack of information about the financial benefits of such investments. Joule provides a clear solution with its 100% free online simulation tool.

The online roof simulation on joule.lu, a first in Luxembourg, is designed to be user-friendly and is tailored to the Grand Duchy's market. It allows consumers to estimate your roof's photovoltaic potential and calculate the costs and returns of a solar installation. In just a few clicks, users receive a comprehensive analysis based on their home's characteristics, including usable roof area, roof pitch, sun exposure, heating system, and annual energy consumption. Within two minutes, the platform reveals potential solar electricity production, annual CO<sub>2</sub> emission reduction, financial return on the photovoltaic system, and its break-even point.

The tool factors in state subsidies along with installation and setup costs in its profitability calculations. At the end of the process, users receive a personalised budget offer in PDF format. Joule sets itself apart by making its simulator freely accessible, enabling users to make well-informed decisions.

### **A Comprehensive Service**

The platform goes beyond just providing calculations. Joule also provides full support throughout the administrative process, particularly regarding subsidies. Until the end of September 2024, solar installations for "self-consumption" benefit from the Klimabonus at 62.5%, which will drop to 50% from October. Joule helps clients maximise these subsidies, making their projects even more cost-effective. "We provide a complete service," says the founder of Joule, Marc Wagener. "This includes not only installation but also managing applications for public subsidies and offering after-sales support."



## **Making the Energy Transition Accessible to Everyone**

“We aim to make the energy transition available to all,” says Marc Wagner. “Renewable energy shouldn’t be limited to those with large houses and spacious roofs. Our mission is to find solutions that allow tenants to benefit from solar energy as well.” Joule also offers innovative products such as the mini solar plant, a photovoltaic module designed for balconies. This device enables anyone to generate energy by simply plugging it into a standard 230V socket, making it an ideal choice for tenants or flat owners who wish to contribute to the energy transition without major renovations.

## **Towards a Greener Future with Joule**

In line with its mission to democratise the energy transition, Joule plans to expand its services. The platform will soon include a simulation tool for electric vehicle charging stations, continuing its commitment to transparency and ease of use. With Luxembourg’s ongoing push for renewable energy, tools like Joule are essential to this transition. They not only simplify the process of adopting solar power but also work towards making this technology available to everyone, supporting a more sustainable future.

[A demonstration video is available on YouTube.](#)

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### **About Joule :**

Joule is an owner-managed, medium-sized service company based in Luxembourg dedicated to helping electricity consumers participate in the energy transition. Be it to a tenant, a flat owner, or an owner of a house or other property, Joule provides tailored solutions for every living situation. At the heart of its offer is the online platform Joule.lu, which allows to assess a home’s solar potential. With Joule’s expert advice and support, everybody can make a meaningful impact on the environment while also lowering your energy costs. In brief, Joule is committed to making sustainable energy accessible to all.

### **About Marc Wagener :**

Marc Wagener is an electrical engineer. In 2024, he founded Joule to help all types of households contribute to a



sustainable future. His goal is to provide both home owners and tenants with the opportunity to invest in solar energy. With over 20 years of experience as Manager and Managing Director in different industries (energy), as well as in the construction, renovation and management of properties in Luxembourg and abroad, Marc has gained extensive knowledge in energy efficiency and building sustainability. He is eager to share this expertise with his clients, both now and in the future. He looks forward to building a sustainable future together with the Joule team and its customers.