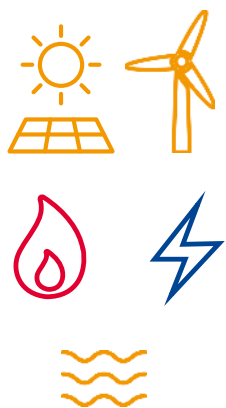




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GRP SMART ENERGY & DIGITAL LAB



The Smart Energy & Digital Lab (E-LAB) is a center of Research & Development responsible for design, optimization, and control of complex energy systems (hybrid power plants, micro-grids etc.) and developing data driven solutions for the business entities.



The lab has 25 researchers and engineers specialized in system development, data science and electrical system integrations located across Paris, Lyon, San Francisco, and Raleigh.

PROJECT : PREDICTION OF SOLAR ENERGY PRODUCTION

Objective

The GRP Smart Energy & Digital Lab (E-LAB) is engaged in development of innovative solutions in the area of solar energy production & distribution. Within the framework of on-going development, the E-LAB would like to propose an academic project to the students of ENSAI with an objective to develop a model which predicts the solar energy production by analysing the images provided by the sky camera.

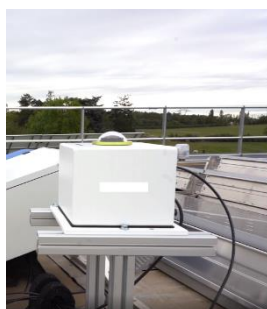
Test Site

The GRP Smart Energy & Digital Lab (E-LAB) has a Solar & EMS development and test site at La Tour de Salvagny near Lyon.



Data Set

- Sky images.
- Energy production log.



Deliverables

- Models.
- Detailed project report.

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