



ECO-EFFICIENCY AND INDUSTRIAL PROCESSES DEPARTEMENT

OUR ACTIVITIES

Studies

- Improve the knowledge of energy demand in the industry, agriculture and transportation
- Build prospective scenarios to anticipate evolutions of energy consumptions (to help the strategy of EDF Group)

Technologies

- Develop and promote new electricity uses and efficient technologies in industry, especially for waste heat recovery and valorization
- Detect and operate capacities of demand response in industry
- Model energy systems at various scales : industrial plants, industrial areas, territories...

Life Cycle Analysis and EDF waste management

- Contribute to the reduction of environmental impacts of EDF power plants
- LCA of technologies and their uses

OUR FIGURES

More than 110 employees including

22 PhDs,
59 research engineer,
6 experts and seniors,
10 doctoral students and 7 dual system students

6 groups including

3 studies groups,
2 laboratories groups
1 group for environmental and safety support

22 million Euros annual budget

7 laboratories

- Heat recovery in industry (high temperature heat-pump, heat storage)
- Industrial lighting
- Flexibilities Aggregator and Energy Management
- Refrigeration and cold storage
- Boiler and ORC (*Organic Rankine Cycle*)
- Electric mobility
- Street lighting

