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Since 2010, MEDEE, cluster in electrical engineering, bridges the gap between two worlds : the research and the industry. Based in Lille, MEDEE relies on the North of France scientific community. It has national and European ambitions.

Thanks to well-known modelling/simulation skills and experimental results validation, the academic partners work to satisfy the industrial players needs.

Electrical Engineering Collaborative R&D projects Market Innovation

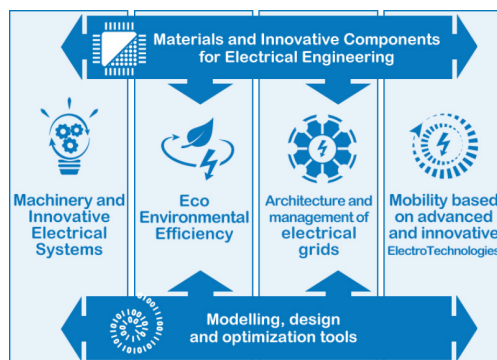
Our ambitions :

- Emerge as a leading institution in :
 - the electrical efficiency of industrial processes,
 - the electrical power generation efficiency.
- Bring together industrial players, large companies and SMEs around collaborative projects, support them in their innovation transfers and technological leap as well as contribute to their economic development.



Jeumont Electric

Thematics :



TARGET MARKETS :

- Industrial processes energy efficiency,
- Electricity generation from renewable sources,
- Smart transmission system,
- Transportation (rail, air, marine, EV, ...).

Our means :

The partner research laboratories, (private and public), have unique technological platforms : power networks simulation, modelling/multi-criteria optimization, high power bench, eco design and reliability, thermal management...



Since 2015, MEDEE has supported the PowerGrid Campus Project which is one of the 4 French Research, Innovation and Training platform dedicated to grow the Smart Transmission Power Grid in Europe.

Thanks to the existing equipment, the PowerGrid Campus Lille objective is to develop new solutions adapting the new electrical systems to raising major issues such as the integration of intermittent renewable energies sources.

Partnerships :

- MEDEE is a member of Smart Energy French Clusters (alliance of 10 energy and digital french clusters in smart grids),
- Cluster S2E2.



The energy of the Hauts-de-France Region for Africa

Since June 2017, the Hauts-de-France Regional Council is committed to the electrification of Africa. The objective is to support concrete energy projects on this continent, while strengthening the electricity sector in the Hauts-de-France Region. It implies opening up new markets and developing synergies in R&D and training with African partners.

The cluster MEDEE works for the operational implementation of this ambition, by delivering supports for :

- access to funding and financing solutions,
- identifying economic, academic or institutional partners in Africa and France,
- technical evaluation and improvement of projects,
- international promotion of innovative solutions from partners.