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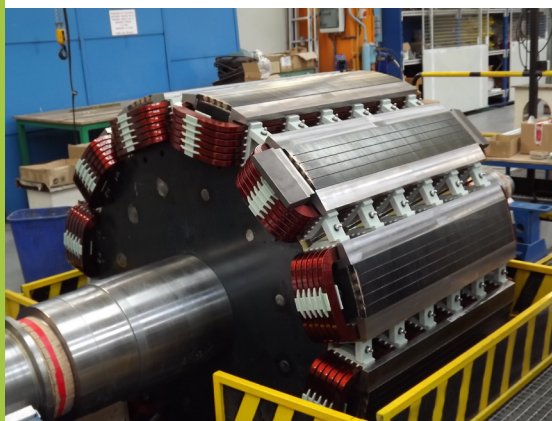
MEDEE, French cluster specialized in **Electrical Engineering**, wishes to bring **businesses closer to the research community**. With an operational structure created in 2010, it aims to attract smaller local companies to collaborate in R&D projects.

At the heart of the innovation players network, the research cluster **MEDEE**, is a collaborative tool for companies, laboratories and the great Nord de France region.

INNOVATION ELECTRICAL ENGINEERING COLLABORATIVE R&D PROJECTS

Its ambitions :

- Emerge as a leading institution in the electrical efficiency of industrial processes and in electrical power generation efficiency.
- Establish itself as an ambassador of the Region abroad on such topics, and be recognized as a key player in the Third Industrial Revolution > decentralized energy systems, storage, smart grids...
- Bring together **industrial players, large companies and SME**, provide support for their innovation transfer and technological leap as well as contribute to their economic development.



Jeumont Electric

Its areas :

MEDEE partners are committed to the development of technological innovations in the field of **high power components and electrical chains in order to increase their performance** :

- on machines themselves : eco design and maintenance, (motors, generators...)
- on their steering and regulation systems
- on the systems in which they are operated (grids, factories...)

MEDEE seeks to overcome hindrances by focusing on priority key technologies : highefficiency motor, variable speed drives, intelligent components...

TARGET MARKETS

- **Industry**, with the implementation of innovative solutions in energy efficiency (electrical)
- **Electricity generation from renewable sources**, especially wind energy and electrical distribution network management.
- **Transportation (rail, air, marine, electrical vehicle...)**

Its means :

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

Its national and European partnerships :

- **S2E2** : Cluster for technologies of smart electricity and smart grids serving the energy efficiency. (Centre et Pays de la Loire Region).
- **Railenium** : Technological Research Institute dedicated to railway transport. MEDEE leads its «Energy» working group. (Nord-Pas de Calais Region)
- **CEVEO** : Wind expertise and recovery centre which gathers various academic skills (Normandie, Picardie et Nord-Pas de Calais regions).