



The Electricity Research Centre (ERC) is a unique collaboration between academia and all the major players in the electricity industry, focused on tackling the fundamental and applied research questions underpinning the development of a sustainable electrical energy system.

ABOUT THE ERC

The ERC was established by Professor Mark O'Malley in 2001. There are currently four Principal Investigators, including one in Economics in Trinity College Dublin, and approximately 25 people in the research group.

FUNDING

The ERC is funded by Industry Members, an SFI Charles Parsons Energy Research Award and other sources including, SFI Principal Investigator, Engineering and Research Frontiers Programmes, EU FP6, IRCSET, Teagasc and IRCHSS.

KEY AREAS OF RESEARCH

The ERC undertakes research in areas crucial to the development of sustainable electrical energy systems, including:

- **Integration of renewables and distributed energy resources**
- **Flexible demand**
- **Portfolio analysis**
- **Energy economics and policy**

OUTPUTS

The knowledge generated in the ERC contributes to a greater understanding of these issues internationally, as well as to industry developments and policy formation. In addition, twenty alumni are playing pivotal roles in the energy industry, both in Ireland and abroad.

COLLABORATION

Industry Partners include: Bord Gais, Bord na Mona, Commission for Energy Regulation, Cylon, EirGrid, ESB International, ESB Networks, ESB Power Generation, Gaelectric, SSE Renewables, Siemens, SWS Group, and Viridian. Sustainable Energy Ireland, the Economic and Social Research Institute and the Department of Communications, Energy and Natural Resources have observer status on the ERC board. The ERC also has strong collaborative links with other national and international bodies including Riso DTU, Denmark; NREL, USA and University of Durham, UK.